

**Department of Commerce**  
**MoU with Vintage Info Solutions**



കേരളം KERALA

DN 335039

**Memorandum of Understanding**

This MOU is made and entered between VINTAGE INFO SOLUTIONS, Second Floor Pallipadan Highlights Opp St George Church Edappally 682024, hereinafter referred to as First Party represented by SAJAD A JAMAL, Director and Union Christ College Aluva, referred to as the second party represented by Dr. M I Punnoose, Principal as per the terms and conditions detailed below.

1. Whereas the first party is a resource provider and consultant reputed in the field of SAP and Tally PRIME and other IT-oriented training among various other activities having clients all over India and abroad.
2. The second party who provides training and impart education at the college level is desirous of taking the service of the first party to deliver classes and training sessions.

No. 32159 Date: 15/9/22  
Value of ₹ 100/-  
Sold to:

K. Balachandran  
Stamp Vendor  
Edappally

Sajad A Jamal  
Ayath (H)  
Marom pally.





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DN 335041

3. The first party has agreed to offer its services in the form of providing resource persons for conducting classes and training purposes.
4. Classes will be conducted at the second party's premises and all facilities required for conducting the classes, like LCD projectors, writing board and other Audio visual equipment should be provided by the second party.
5. Class timings and day wise schedule should be given one month in advance to the first party.
6. The timings assigned to the first party shall be between 10:00 am and 5:00 pm.
7. Class day will be Saturdays and compensation class will be on weekdays.
8. Participants:  
a) Bachelor of Commerce (Bcom) - First Year

No. 32161 Date: 15/6/22  
Value of ₹ 100/-  
Sold to: K. Balasubrahman  
Stamp Vendor  
Edappally

Sajad A Jameel  
Ayaath CH  
Marampally





## Department of Commerce

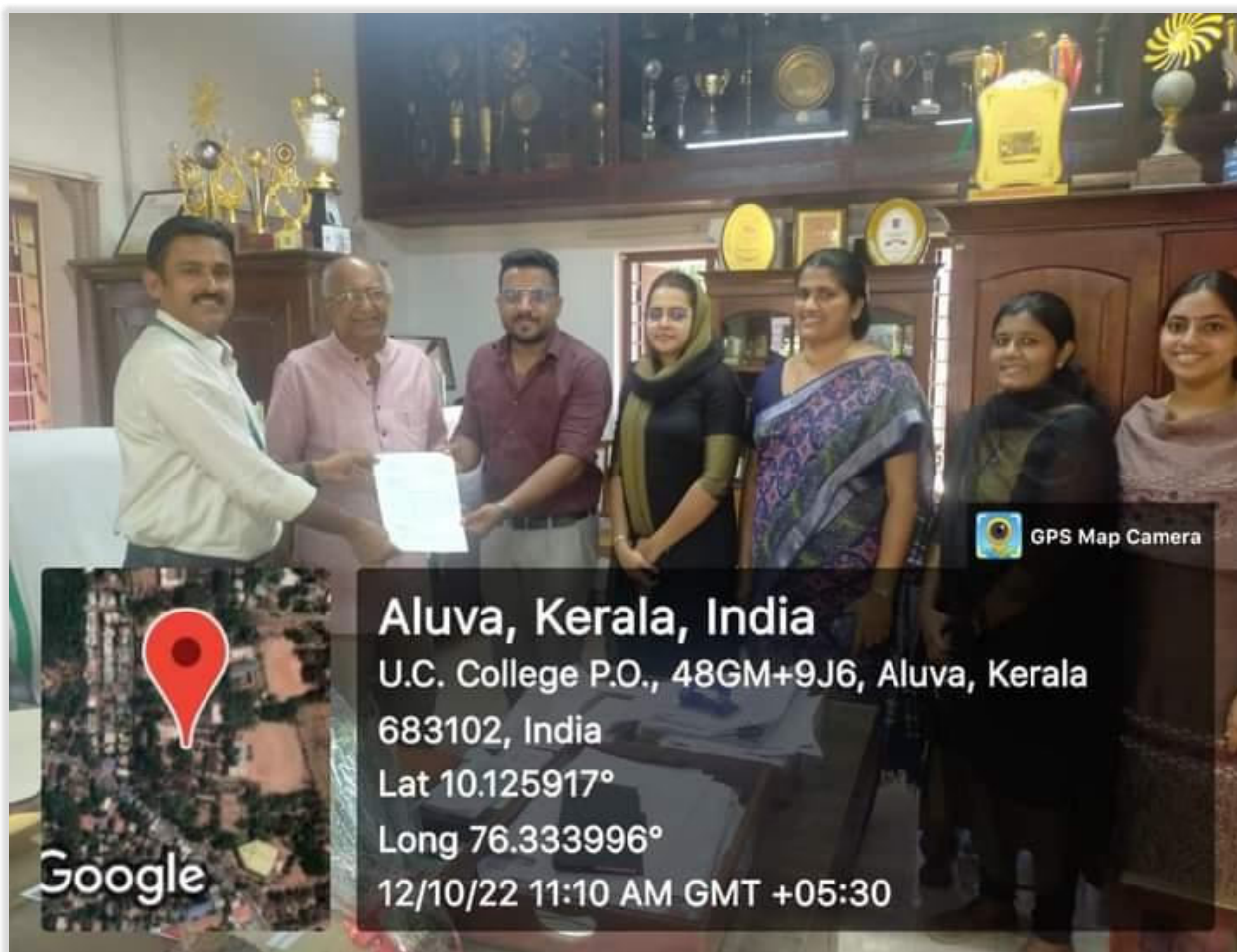
### MoU with Vintage Info Solutions

#### Report

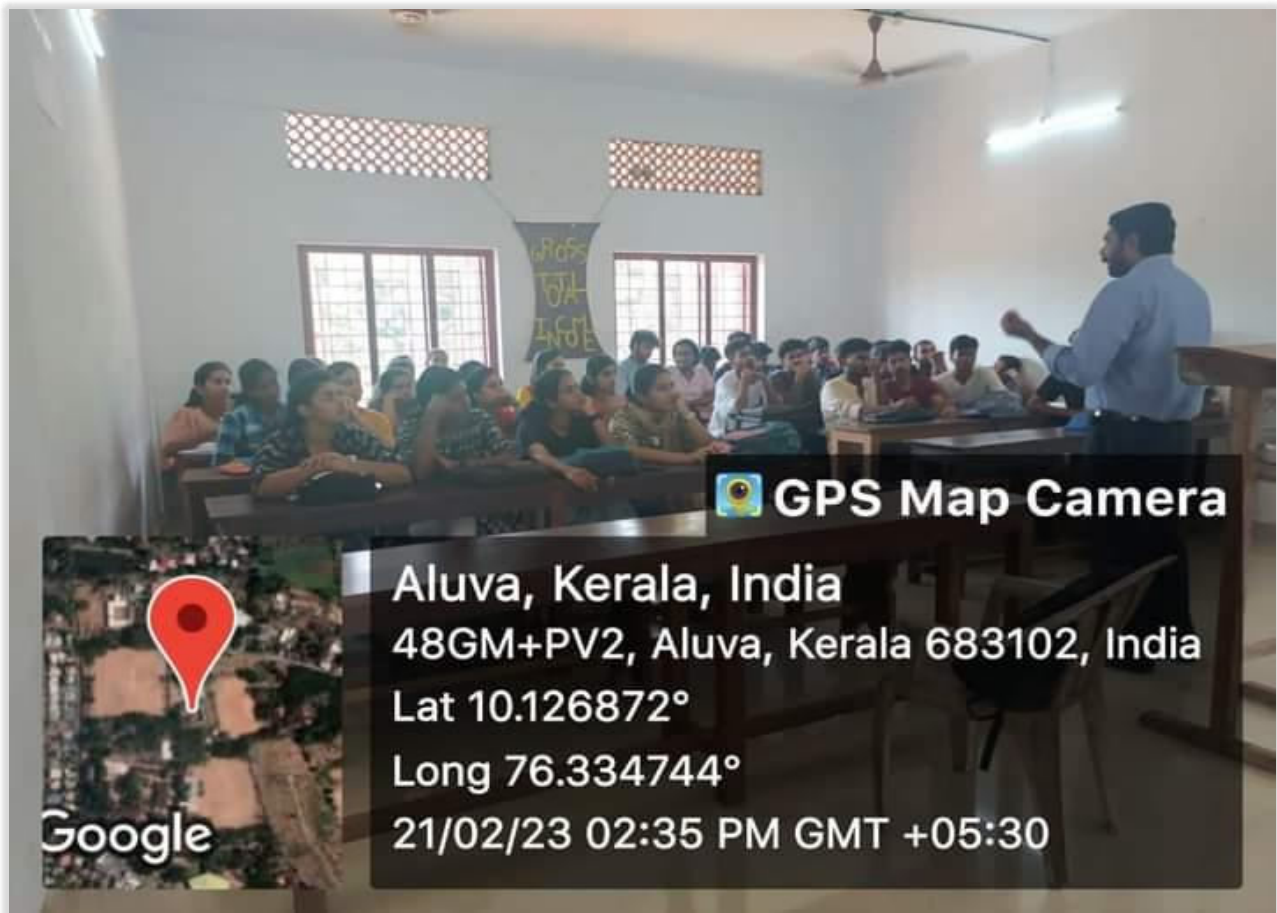
The MoU was signed on 12 October 2022 to provide the students with a course on basic financial accounting and Tally. Furthermore, this agreement brings with an additional benefit of a license in tally being issued for the college. Objectives includes imparting knowledge regarding concepts of Financial Accounting, knowing more about company accounts and financial statements and getting placements in companies and accounting firms.

#### Activity

Tally ERP class to first year B. Com students was started on 21<sup>st</sup> February 2023. Classes were conducted by the faculty from Vintage Info Solutions.







### Outcome of the Activity

The course helped the students to record business transactions instantly and easily and also got an idea to manage accounting operations in their profession. The course also offered better career opportunities to the students in companies and accounting firms.





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DP 522345

No: .....SL/UCCALUVA/2022

27<sup>th</sup> June 2022

### Memorandum of Understanding

This deed of Agreement made on 27<sup>th</sup> June 2022 by and between the Manager, UC College, Aluva of one part herein after referred to as the first party and GX Archery Academy Stadium Link Road (Near IMA House), Cochin - 682025 represented by its Director Mr. Gokulnath.P hereinafter referred to as the second party of another part.

Whereas the second party has made a request to the first party, for granting permission to it to use the arena near to MBA/MCA block (south west corner of UCC) adjacent to seminary road , for giving Archery coaching to trainees aged between 6 to 24 yrs

And whereas the first party has agreed to grant permission to the second party, subject to the following terms and conditions.

Now, therefore, this agreement witnesses as follows:-

- 1) The permission granted is for giving training to the trainees for all days in a week ( ie Monday to Sunday), commencing from 1.07. 2022 to 30.06.2023.
- 2) The time allowed is from 6.30 am to 8.30am and 4.30 PM to 6.30 PM on working days and Saturday, Sunday and public holidays from 9.00 AM to 4.00 PM.
- 3) Archery coaching shall not affect the normal functioning of the College or its students and the decision of the first party in this regard shall be final.
- 4) The second party shall not transfer the permission granted by this agreement for training in the arena, to anyone else.

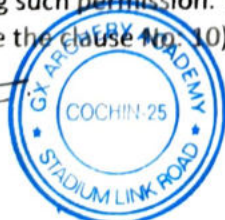


രമേശ് വി. കെ.  
സ്റ്റാമ്പ് വെണ്ടർ, ആലുവ

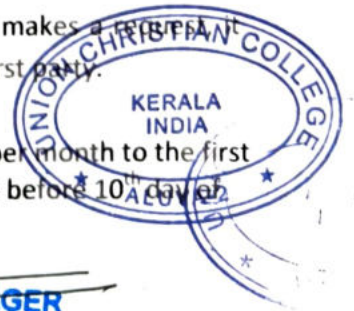
MANAGER  
UNION CHRISTIAN COLLEGE  
ALUVA-683102



- 5) The second party shall not carry out any work or alternation in the proposed area without the written consent of the first party.
- 6) The second party, shall not use the arena for any other purpose than archery coaching for trainees, matches for the purpose of training and competition. However for the first party has the right to regulate or restrict such matches.
- 7) The second party shall not give training to any trainee/person who in the opinion of the first party shall not be permitted to undergo training in the archery arena of the College and the decision of the first party in this regard shall be final and binding.
- 8) The second party will be fully liable and responsible for the conduct of the trainees and coaches during the training and in connection with the same.
- 9) The financial and administrative responsibility of the coaching program is completely vested upon the second party, and the first party shall not responsible for such and any other matters connected with the training.
- 10) The second party will have to pay the amounts for clearing, leveling, planting buffalo grass, construction of archer's stand and construction of store room at the back of Post Office and small compound wall near the old car porch area of MCA block. The income incurred for this will considered as the rent for using the arena for coaching archery.
- 11) The first party has agreed to provide a storeroom to keep the training equipments back of Post office. Toilet facility for the players will be provided by the College management. Both the above facilities will be provided at the sole discretion of the first party.
- 12) The first party has agreed to give permission to the parents of the players to enter the archery area during training given by the second party.
- 13) Either party can terminate this agreement before the expiry of the period of agreement by giving 7 days to the other party for violation of the terms of this agreement by the other party or any other reasons whatsoever.
- 14) On the expiry of the period of the agreement, if the second party makes a request, it can be renewed for a further period, solely at the discretion of the first party.
- 15) The second party shall pay Rs.10, 000/- (Rupees Ten Thousand only) per month to the first party for granting such permission. The said amount shall be payable before 10<sup>th</sup> day of every month (see the clause No. 10).



  
**MANAGER**  
**UNION CHRISTIAN COLLEGE**  
**ALUVA-683102**





- 16) The second party shall be liable and responsible for any loss or damage caused to the first party in connection with the above agreement.

This Agreement is prepared in duplicate and original shall be kept with the first party and the duplicate shall be given the second party.

In witness whereof the parties hereto have put their respective hands and seals in their presence on the day, month and year, first here in above written.

- (1) The Manager, UC College Aluva.  
(The first party)




- (2) The Director, GX Archery Academy, Stadium Link Road (Near IMA Road), Cochin  
682025.



Witnesses

- 1 Dr. M. I. Punnoose, (Principal in charge)
- 2 Dr. M. Bindu (HOD - PE)

  
Dr. M. I. Punnoose  
Principal in Charge  
M. C. College Aluva







## **Report of the MOU with GX Archery Academy and Union Christian College, Aluva (Physical Education Department)**

The MOU between Union Christian College, Department of Physical Education and GX Archery Academy was signed on 27/6/2022. The MOU is renewed every year. At the Union Christian College Archery Academy, our mission is to foster a passion for archery, promote physical fitness, and develop skilled archers within our college community. We strive to provide comprehensive training, state-of-the-art facilities, and a supportive environment that encourages personal growth, discipline, and sportsmanship. Our aim is to empower individuals to excel in archery and contribute to India's continued success in the sport.

### **Activity and Proof**

In addition to regular coaching, the Union Christian College Archery Academy organizes various camps throughout the year. These camps serve as intensive training programs, where archers can hone their skills, learn from experts in the field, and engage in friendly competitions. The academy also conducts summer camps, allowing participants to explore archery during their vacation period.

By offering comprehensive training programs and creating opportunities for archery enthusiasts, the Union Christian College Archery Academy aims to popularize the sport, not only within the college but also in the surrounding community. The academy believes in the holistic development of its students, fostering discipline, teamwork, and sportsmanship along with archery skills.

**Class Timings:** The Union College Archery Academy offers convenient class timings to accommodate the busy schedules of our students. We have sessions available in both the morning and evening, ensuring flexibility and accessibility for all.

Tuesday, Thursday: 4.30 to 6.00 PM

Saturday, Sunday : 3.00 to 5.00 PM

Coach: Mr. Gokulnath.P & Ms.Sandra Benny ( National Medalists)

Total athletes in the Academy:40





## ARCHERY SUMMER CAMP

**ADMISSIONS OPEN**

**Venue:** Archery Feild  
(Near MCA block),  
UC College Campus, Aluva.

Training lead by well experienced  
certified coaches by Archery  
Association of India and SAI

**GX ARCHERY ACADEMY**  
In association with  
**UC COLLEGE PHYSICAL EDUCATION DEPT.**

Note: Minimum Age 7 Years



+91 999 58 28 698  
+91 999 51 03 698



## അവധികാല അഡ്മിഷൻ പരിശീലനം

**ADMISSIONS OPEN**

**Venue:** Archery Feild  
(Near MCA block),  
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Training lead by well experienced  
certified coaches by Archery  
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**GX ARCHERY ACADEMY**  
In association with  
**UC COLLEGE PHYSICAL EDUCATION DEPT.**

Note: Minimum Age 7 Years



+91 999 58 28 698  
+91 999 51 03 698











## **MEMORANDUM OF UNDERSTANDING**

This Memorandum of Understanding (“MOU”) is entered into as of 5<sup>th</sup> January 2020 (“Effective Date”) KVJ Analytics, Banerji Road, High Court Junction, Cochin - 682 031., India (hereinafter referred to as “KVJ Analytics” which expression shall unless repugnant to the context shall mean and include its successors and assigns)

School of Management Studies, Union Christian College, Aluva, Kerala, India (hereinafter referred to as the “College” which expression shall unless repugnant to the context shall mean and include its successors and permitted assigns). Strategist and college are hereinafter collectively referred as “Parties” and individually as a “Party”.

**WHEREAS** Strategist (First Party) is an educational and business consultancy, operating towards the vision of a data-driven business culture, that assists in effective decision making in corporate-organisation and facilitate this through a series of need-based interventions involving consultancy, research and training. KVJ Analytics is also an Data Analytics Consultancy.

**WHEREAS** School of Management Studies is the part of Union Christian College, Aluva.

**And whereas** pursuant to discussions, the Parties have decided to lay down the terms of their understanding regarding Industry Oriented Data Analytics and Visualization Program Certification Program.



NOW, THEREFORE, IT IS AGREED BETWEEN THE PARTIES AS FOLLOWS:

1. This MoU is effective from the Effective Date and shall remain in force for a period of two Year.
2. The Second Party desired to deliver Industry oriented **Data Analytics Training and Certification to students of School of Management Studies, Union Christian College, Aluva** and approached first party to facilitate the Training and Certification process.
3. The Second Party requested to conduct the training Batch by batch and the same has been approved by the First party.

#### **Infrastructure and Technical Requirement**

4. The Second Party has the responsibility to provide all Infrastructure and Technical requirement for conducting **Data Analytics Training and Execution of industry orientation** in the place of second Party.
  - The second Party has to provide all the infrastructure and support from the system administrator for the successful execution of the program. (System configuration: 1.8 Ghz processor, 2 GB Ram, Windows 10 or above, MS Office 2019, Python, Power BI, Tableau With high speed internet)
  - The test will be conducting in the presence of The Test Centre Administrator (TCA).
  - The entire participant should have laptop/desktop with Ms. Office 2016/2019.
5. First party has the right to inspect all the System and install the required software for the smooth functioning of the training and examination only with the permission of second party.

#### **Training and Certification process:-**

6. Both the parties mutually agreed to conduct **Data Analytics and Visualization**





7. One batch of training, practice, and examination can complete in 30 Hours.

**8. FEES & PAYMENT TERMS:**

- In consideration of the rights granted and services provide, the second party shall pay an amount of Rs. 5000.00(Rupees Five Thousand only) for each student for the training and Certification. + GST @18%
- All sums due under this MoU will be paid within 5 days from the date of invoice from strategist.
- All amounts payable under this MoU shall be exclusive of all taxes and levies.
- 75 percent of the Payment shall be in advance in favor of KVJ Analytics and remain will be paid only after receiving the course completion certificate of the students.

9. The course certificate is issued by the Certiport and the same shall be and distributed by batch wise and First party will be responsible for the issue of certificate.

10. Either party may terminate the MoU with a prior written notice of 30 days to the other Party, without any reason.

11. The loss occurred If any in case of termination shall be borne by the party who is at fault.

12. Strategist shall not be liable in any event for any special, consequential, incidental, or indirect damages arising out of or in connection with this MoU. To the extent permitted under law, Strategist expressly disclaims all warranties of any kind, whether express or implied, including, but not limited to any implied warranties of merchantability, fitness for a particular purpose, accuracy and completeness of the Content, Methodology, Courses, software, and any warranty relating to the Content being free from any errors.

13. This MoU shall be governed by and construed in all respects in accordance with the laws of India. Any dispute and/or difference arising out of or pertaining to this MoU, shall first be



resolved by the Parties through negotiations, failing which, the same shall be referred for arbitration.

14. Stamp duty and other taxes and levies on this 'MoU' shall be borne by the First Party

#### **15.Exam Objective and other details described below.**

Data and visual analytics are in demand skill which will help the participants to analyse and visualizing data. These programs will help to improve the practical knowledge of the student and help to analyse data, create models, and generate insights. It will further train you in extending your skills to industry strength analytics using the Microsoft Excel, Power BI, Tableau and Foundation of R and Python. Training is hands-on, with participants working along with instructors, learning within the context of real world, practical examples.

#### **Course Prerequisite**

No background in programming required for participants.

The entire participant should have laptop with windows 10

Participant should have Following Software

- Power BI Desktop
- Ms Office 2016 and Above
- Tableau Public
- SPSS

#### **Course Objectives**

The main goal of the workshop is to provide,

- The course provides the foundation to become a data scientist
- These programs will help to improve the practical knowledge of the aspirant
- These programs will help to create industry orientation in Analytics and visualization

#### **Learning Outcomes**

- Learn how to pre-process data
- Use Advanced Excel tools to manage Data
- How to Apply statistics in real life use cases



- Start coding in Python, R and learn how to use it for statistical analysis
- How to integrate statistics for solving management problems
- How to Clean, Merge and append data using DAX
- Learn How to use visualization tools like Power BI and Tableau

### Module-wise topics

#### Module 1.

##### Data Analysis using Excel

- Excel for data Analysis
- Learn how to use advanced Formatting to streamline your workflow in Excel
- Data Consolidation using Formulas and Functions
- Power of pivot table
- Model Building and Automation
- Build dynamic dashboards in Excel

#### Module 2.

##### Data visualization -Power BI

- Power of Visualization
- Understand Power BI Desktop
- Data Cleaning
- Flow and Navigation
- Query Editor Various Applications
- Calculation of columns and measures (DAX)
- Creating Power BI Table Relationships
- Build stunning Dashboards

#### Module 3.

##### Data visualization using Tableau

- Introduction to the Tableau
- Data Preparation
- Creating Various Charts
- Create Dual Axis Charts





- geographic maps
- Create Data Hierarchies
- Aggregate data
- Combine data using joins, blends, unions, and relationships.
- Developing Dashboard and story

#### Module 4.

##### Application of statistics

- Understand the fundamentals of statistics
- Learn how to work with different types of data
- How to connect statistics with real life
- Make data driven decisions using statistics
- Data analysis Tool pack
- Practical examples

##### Pedagogy

This program uses Lecture, student collaboration tools, Self-Learning modules, Group learning works and gamification

##### Evaluation Pattern

- Assignment
- Quiz
- Final Project



IN WITNESS WHEREOF THE PARTIES THROUGH THEIR DULY AUTHORISED REPRESENTATIVES HAVE SIGNED THIS MoU.

KVJ ANALYTICS

By

Name: Mertin Kurien

Title: Promoter

Date: 5/1/20



By

Name: Dona P. P. M. J. de V. A.

Title: Director

Date: 5/1/20

**DIRECTOR  
MBA PROGRAMME  
UNION CHRISTIAN COLLEGE  
ALUVA - 683 102**





## Report of the MOU with KVJ Analytics, Kochi and Union Christian College, Aluva (School of Management Studies)

The MOU between Union Christian College, School of Management Studies and KVJ Analytics, Kochi was signed on 6/1/2022 for a period of 1 year.

For 2021 admission batch the classes were conducted on 06<sup>th</sup> and 07<sup>th</sup> February and 23<sup>rd</sup>, 24<sup>th</sup>, and 25<sup>th</sup> 2023 March

### Activity and Proof

The MoU was signed to conduct Hands-on Training on Python and other Programming Software for students. They have trained over 60 students during the period.



### Outcome of the activity

The students are certified in Data Analytics and Data Visualization using SPSS, Excel and Power BI.





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## MEMORANDUM OF UNDERSTANDING

The **MEMORANDUM OF UNDERSTANDING**

entered in to between the

**PROBHODHA TRUST, KOCHI**

and

**UNION CHRISTIAN COLLEGE, ALUVA**

provide as follows:

This **Memorandum of Understanding (MOU)** is made on this 17<sup>th</sup> day of October 2022 between **PROBHODHA TRUST, PONNIRUNI EAST, KOCHI, ERNAKULAM (Reg.No. 15/IV/2021)**, (hereinafter referred to as Probhodha Trust/1<sup>st</sup> party) & **UNION CHRISTIAN COLLEGE, UCC P.O., ALUVA**, (hereinafter referred to as UC College/2<sup>nd</sup> party) affiliated to Mahatma Gandhi University, Kottayam.



For Probhodha Trust



President

Secretary

Dr. M. I. Punnoose  
Principal in Charge  
U. C. College Aluva

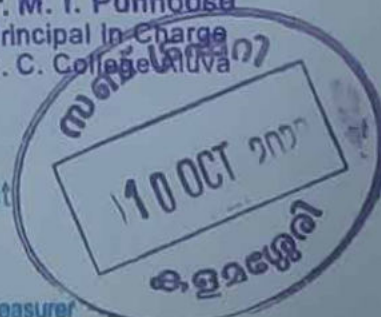
No. 12466 Date 13/10/2022 100/  
PRINCIPAL, UC COLLEGE  
ALUVA - 2

K. H. SHAJAHAN  
STAMP DOOR  
ALUVA

President

Secretary

Treasurer



## PURPOSE AND SCOPE

The Secretary of Probhodha Trust, Ponniruni East, Kochi, Ernakulam, a public charitable institution engaged in social, cultural and academic activities has proposed an intention of furthering cooperation with Union Christian College, Aluva, in academic, social research and charity activities. They have affirmed their intention to promote such academic exchange which will be of mutual benefit for both parties as per the below mentioned terms and conditions;

1. RECOGNISING the mutual interest in academic cooperation in dissemination of knowledge in human rights and related areas, the two parties, on a long-term basis HEREBY agree to establish and pursue collaborative initiatives of mutual interest on a basis of equality and reciprocity.
2. WHEREAS both parties have many areas of common interest, both parties acknowledge that considerable benefits may be gained by faculty, students and the institutions at large from the pursuit of academic interactions of the nature as listed hereunder.
3. The two parties shall seek to promote:
  - a) Development of mutually beneficial academic and other training programs for students, teachers and other stakeholders, including invited lectures, workshops/conferences, academic competitions;
  - b) Facilitate exchange of students, faculty and staff of UC College with higher education institutions associating with the Probhodha Trust, for the purposes of research and extension;
  - c) Reciprocal assistance for visiting scholars and historically important places in India;
  - d) Coordination of such activities as joint research and transfer of concepts and ideas;
  - e) Exchange of documentation and research materials in the fields of mutual interests;
  - f) Fostering social consciousness among the students;

4. Details of the implementation of any particular exchange resulting from this



\_\_\_\_\_  
President

President

\_\_\_\_\_  
Secretary





Memorandum of Understanding shall be negotiated between the two parties as such specific case may arise, and is subject to availability of sufficient funds.

5. Nothing in this Memorandum shall be construed as creating any legal relationship between the parties. This Memorandum is a statement of intent to foster genuine and mutually beneficial academic collaboration.
6. Negotiation, implementation and operation of the MoU falls under the responsibility of the Principal of UC College, Aluva and the Secretary of Probhodha Trust, Kochi. Issues about specific activities including rights and obligations of each party shall be notified or communicated to the offices mentioned above. In case, there be a dispute relating to any aspect of academic cooperation, the Principal of UC College, Aluva and the Secretary of Probhodha Trust, Kochi, will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility.
7. The Principal of UC College, Aluva shall nominate the Staff Coordinators of Gandhi Darshan Club of the College to coordinate the activities envisaged in the Memorandum of Understanding from time to time.
8. This Memorandum of Understanding to promote academic exchange and cooperation will be valid for five years and is subject to revision, renewal or cancellation by mutual consent and shall be implemented in the form of Memorandum of Agreement which explain in details the rights and obligations of each party.
9. MODIFICATION / TERMINATION: This MOU may be modified, altered, revised, extended or renewed by mutual written consent of both the parties, by the issuance of written amendment signed and dated by both the parties. Either party to this MOU may terminate their participation in this MOU by providing reasonable request of termination and subsequent written concurrence of the other. 30 (Thirty) days written notice is necessary to terminate the MOU by either of the parties.

This Memorandum of Understanding becomes effective upon completion of signature.

In WITNESS, therefore, the parties have hereunto set their respective signatures on this

date.

For Probhodha Trust

Page 3 of 4 For Probhodha Trust

President

Secretary

Treasurer

President

Secretary

Treasurer



<p><b>For PROBHODHA TRUST,</b></p> <p><b>Dr. Vinodkumar Kallolickal</b>  President  Probhodha Trust, Ponniruni East, Kochi,  Ernakulam</p> <p><b>Naveen Kumar D. D.</b>  Secretary  Probhodha Trust, Ponniruni East, Kochi,  Ernakulam</p>	<p><b>For UNION CHRISTIAN COLLEGE,</b></p> <p><b>Dr M. I. Punnoose</b>  Principal  Union Christian College, Aluva  Ernakulam</p>
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Signature of Witness 1: Dr. G. Geethika

Name: Dr. G. Geethika Position: Asst. Professor

Organization: Union Christian College, Aluva

Signature of Witness 2: K. K. Lops Nair

Name: Abhayam, 48/1680 Ponniruni East, U. C. College Position: \_\_\_\_\_

Organization: East, U. C. College

Date of Execution: 17<sup>th</sup> day of October, 2022

This agreement is made in two original copies and each copy is with one party respectively.



For Probhodha Trust

President \_\_\_\_\_ Secretary \_\_\_\_\_

Page 4 of 4

UNION CHRISTIAN COLL  
KERALA  
INDIA

**Dr. M. I. Punnoose**  
Principal in Charge  
U. C. College Aluva





**On October 17, 2022, Union Christian College, Aluva signed an MoU with Probhodha Trust, Kochi, an organisation registered under Charities Act functioning for the promotion of Gandhian thought and global peace.**





As part of signing the MoU, Sri. K. Satchidanandan, renowned writer and President of Kerala Sahitya Akademi officially inaugurated the 2022-23 activities of Gandhi Darshan Club and spoke on the topic, "Why Gandhi?". The Club has been associating with the Trust since 2020.

**Union Christian College**  
Centenary Public Lecture Series - **6**

**&**  
**INAUGURATION OF**  
**GANDHI DARSHAN CLUB 2022 - 23,**  
**SIGNING OF MoU WITH PROBHODHA TRUST, KOCHI**

Topic :  
**WHY GANDHI ?**

**OCT 17 MONDAY 11 AM, VENUE: VMA HALL, UC COLLEGE, ALUVA**

**Chief Guest:**  
**Sri. K. Sachidanandan**  
*Renowned Poet, Writer  
& President,  
Kerala Sahithya Academy*

Welcome Address:  
**Dr. Mini Alice,**  
Professor in Malayalam,  
Union Christian College, Aluva

Presidential Address:  
**Dr. M I Punnoose,** Principal,  
Union Christian College, Aluva

Felicitations:  
**Adv. V M Michael,** Secretary,  
Gandhi Peace Foundation Centre,  
Kochi  
**Naveen Kumar D D,** Secretary,  
Probhodha Trust, Kochi

Vote of thanks:  
**Dr. Seena Mathai,** Coordinator,  
Centenary Lecture Series,  
Union Christian College, Aluva

Organised by :  
**Union Christian College**  
**Aluva**







In association with the Trust, the Club participated in the “Centennial Vista” Centenary Mega Exhibition of the College by putting up an impressive exhibition of posters and books on Gandhi.







Gandhi Darshan Club associated with Probhodha Trust, Kochi, to conduct the book release function of "The Murder of Gandhi" authored by Mr. PS Joseph and published by Probhodha Publications. The programme was held on 11 August 2023 at Probhodha Bhavan, Ernakulam.

**PROBHODHA BHAVAN**  
Jacobs DD Mall, M. G. Road, Ernakulam

Book Release Function



**11**  
August 2023  
Friday @  
2.30 pm




- Book Release : **P N Gopikrishnan**, Poet and Social Thinker
- Reciever of the Book : **Dr. Vinod Krishna**, Film director & Author of the Book 9mm Baretta
- Introduction of the book : **Dr. Rekha Karim**, Head - Department of English, Maharaja's College, Ernakulam
- Welcome Address : **Dr. Twincy Varghese**, Asst. Professor, Department of History, UC College, Alwaye
- Presidential Address : **Prof. K P Shankaran**, Former Faculty of Philosophy, St. Stephen's College, New Delhi
- Felicitation Speeches : **K A Johny**, Senior News Editor, Mathrubhoomi Digital  
**Ajaya Kumar**, Ex. Secretary, Kerala Lalitha kala Academy, Trichur  
**S Sunder Das**, Senior Journalist
- Writers Reply : **P S Joseph**, Author of the Poem
- Vote of Thanks : **Naveen Kumar D D**, Secretary,, Probhodha Trust, Kochi

Organized by  
**Probhodha Trust, Kochi**  
**Department of History & Gandhi Darshan Club, UC College, Alwaye**









കേരളം KERALA

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## MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

SCHOOL OF MANAGEMENT STUDIES  
Union Christian College,  
Alwaye, Kerala

&

HEDGE SCHOOL OF APPLIED ECONOMICS  
(Training and knowledge initiative of Hedge Group of Companies)

*B. M.*  
DIRECTOR  
MBA PROGRAMME  
UNION CHRISTIAN COLLEGE  
ALUVA - 683 102

**Hedge**  School of  
Applied  
Economics



NO. 69724 DATE 31.12.22

VALUE OF RS.

SOLD TO

*School of Management Studies*

*U.C. College, Aluva*

M.A. KUNJU BEEVI  
HIGH COURT VENDOR

*Bengaluru*





## **MEMORANDUM OF UNDERSTANDING (MOU)**

This Memorandum of Understanding (MOU) is executed between **School of Management Studies Union Christian College Alwaye** and **HSAE (Hedge School of Applied Economics)** for various industry training programmes.

**School of Management Studies**  
**Union Christian College Alwaye and Hedge School of Applied Economics**

**School of Management Studies Union Christian College Alwaye**

Represented By

Dr. Padmaja Devi A  
Director,  
School of Management Studies  
Union Christian College Alwaye - 683102

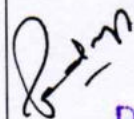
**Hedge School of Applied & Economics (HSAE)**

**Training & Knowledge Initiative – Hedge Group of Companies**

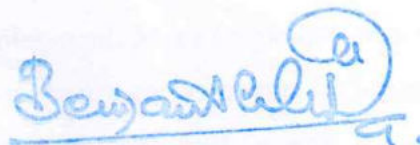
**Hedge House Mamangalam P O Palarivattom – Cochin, 682 017, Kerala – India**

Represented by:

**Benil Dani Alexander Managing Director**



**DIRECTOR  
MBA PROGRAMME  
UNION CHRISTIAN COLLEGE  
ALUVA - 683 102**





The first party is an Educational Institution- Union Christian College, Aluva (known as UC College) is a college affiliated to Mahatma Gandhi University, Kottayam

It is one of the earliest colleges in India to be established and managed by Indian Christians. It was founded in 1921 by four young graduates and teachers of Madras Christian College - Prof. K. C. Chacko, Prof. C. P. Mathew, Prof. V. M. Ittiyerah and Prof. A. M. Varki. It is situated by the banks of Periyar (river) in Aluva (Alwaye), Kerala, India.

Union Christian College Association started a new technical institute after getting approval from All India Council for Technical Education (AICTE) (Institution Id: 1-8170961) in the year 2001 under the name and style of Union Christian College for conducting MBA Programme. The campus extends over an area of 2.8 acres. This Institute is affiliated to Mahatma Gandhi University, Kottayam, India with a sanctioned intake of 60 per year.

The second party is a knowledge initiative from Hedge Equities - a company engaged in Financial Services catering to the evolving needs and unique requirement to build, manage and grow wealth.

HSAE provides a platform for spreading the concept of financial freedom and develop entrepreneurship among youth through imparting the importance of asset creation and its management by understanding the true concepts of risk and return. HSAE is the first ever educational venture dedicated to creating a class of high-end investment professionals across India.



### **OBJECTIVE OF THE PROGRAMME**

A good degree is no longer enough to guarantee students employment. More employers look for graduates/post graduates with key skills. It is well accepted that there is a growing need for Industry Institute tie-up to enable the students pursuing academics at various levels will have an Industry orientation and employability along with their academic career.



This agreement is executed for various industry certification program based on the mutual understanding between the two parties. The Program as follows:

o Certification in Financial Services

o Placement Assistance

**Co-Operation Expected from First Party –School of Management Studies Union Christian College Always**

1. Providing students for the program which will be conducting upon mutual understanding
2. To provide necessary infrastructure, including equipments and materials.
3. The first party to pay the amount based on the program that we conduct at your esteemed organization.
4. As part of the evaluation, student presentations, written tests, and practical tests can be facilitated by the First Party.
5. The first party shall consider interested candidates for internship.

Sl.No	Programmes	Hours	Number of Students
1	Certification in Financial Services	15Hrs	60



*Benjamin Chelid*

*[Signature]*  
**DIRECTOR**  
**MBA PROGRAMME**  
**UNION CHRISTIAN COLLEGE**  
**ALUVA - 683 102**



### **Cooperation Expected from Second Party - Hedge School of Applied Economics:**

1. The industry faculty from HSAE will engage in skill oriented classes on the basis of the mutually accepted curriculum
2. Imparting of industry oriented theoretical knowledge should be done by the Second Party.
3. Course modules of the program will be decided after mutual consideration of both parties.
4. As a part of the evaluation, student presentations, written tests, and practical tests should be conducted by the Second Party.

### **Advantages for the First Party**

- Gain critical insights from the industry subject matter expert.
- Add respected credentials to the resume of the students.
- Improve the adaptability of the students to the banking & financial services industry.

### **Advantages for the Second Party**

- Improve visibility of the programs conducted by HSAE in association with various accredited certification program.
- Employer's get an option for recruiting the best out of the trained pool of the students
- More publicity through associating as a partner in the programme
- Getting placement assistance.

### **Location:**

- The programme will be conducted at the facilities provided by the first party/Offline Mode.

### **Commencement of the program**

- The program will be conducted based on the mutual understanding between the first party and second party

### Payment

- 100 % of the total program fees to be paid within 30 days after the program.

### Certificates

After conducting the program, evaluation will be conducted on the last day of each batch. Based on the assessment certificates will be issued by the second party.



Bernard L. L. L.



DIRECTOR  
MBA PROGRAMME  
UNION CHRISTIAN COLLEGE  
ALUVA - 683 102



**EXECUTED AS AN AGREEMENT**

**Signed for and on behalf of Bishop Abraham Memorial College Thuruthicad**

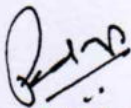
Dr. Padmaja Devi A

Director,

School of Management Studies

Union Christian College Alwaye - 683102

(Signature)

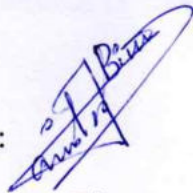


(Seal)

**DIRECTOR  
MBA PROGRAMME  
UNION CHRISTIAN COLLEGE  
ALUVA - 683 102**



Witness:



Janis Ben Bino

Head of the Department

School of Management Studies

Union Christian College Alwaye - 683102

**Signed for and on behalf of Hedge School Applied Economics**

Benil Dani Alexander – Managing Director

(Signature)



(Seal)





## Report of the MOU with Hedge School of Applied Economics and Union Christian College, Aluva (School of Management Studies)

The MOU between Union Christian College, School of Management Studies and Hedge School of Applied Economics was signed on 31/12/2022 for a period of 1 year.

### Activity and Proof

The MoU was signed to associate with the company to provide Internship, Placement Assistance, Project Work, Industry Practices etc. to the students. A certification course in Financial Services was provided to the 60 students.

30 hours training session were conducted which included an industrial visit to the Hedge School of Applied Economics to understand the practical application. Classes were conducted in two batches in the month of February 2023. (13<sup>th</sup> Feb-17<sup>th</sup> Feb 2023 and 21<sup>st</sup> Feb to 25<sup>th</sup> Feb 2023. Sample Certificates for each batch is given below.







### Outcome of the activity

60 students got certified in the Financial Services Management to enhance their career prospects and acquired practical skills in financial analysis budgeting, risk management and strategic financial planning.

**Union Christian College, Aluva**  
**MoU with Kallen Pokkudan Mangrove Tree Trust**



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**MEMORANDUM OF UNDERSTANDING**

This Memorandum of Understanding (here in after called as the 'MOU') is entered into on this the 8<sup>th</sup> day of May Two Thousand and Twenty-Three (08/05/2023) by and between

Union Christian College, Aluva, the first party represented here in by its Principal (here in after referred as 'First Party', the institution which expression, unless excluded by or repugnant to the subject or context shall include it successors-in-office, administrators and assigns) on the first part,

AND

Kallen Pokkudan Mangrove Tree Trust, Reg No: 140/13/IV, Meenakshi, Muttukandi, Payangadi (PO) Kannur, Kerala, INDIA, 670303, represented by Secretary, Kallen Pokkudan Mangrove Tree Trust (here in after referred to as "second party", the institution which expression, unless excluded by or repugnant to the subject or context shall include it successors-in-office, administrators and assigns) on the second part.

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Principal Union Christian College  
Aluva D.A.

രമണി വി. കെ  
സ്റ്റാമ്പ് വെണ്ടർ, ആലുവ





(First Party and Second Party are here in after jointly referred to as 'Parties' and individually as 'Party')  
as

WHEREAS :

- A) First Party is a Higher Educational Institution named UNION CHRISTIAN COLLEGE, ALUVA.
- B) Kallen Pokkudan Mangrove Tree Trust, the Second Party here in is engaged in providing helps to protect, preserve and plant mangroves under the initiative of the college through its Kandal Club and related helps.
- C) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interests.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOWS:

- 1.1 The Second Party will Provide necessary arrangements for the First Party to implement the previously mentioned activity in the First Parties institution as well as its related initiatives.

VALIDITY AND TERMINATION

- 2.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms.
- 2.2 Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations.


IN WITNESSES WHEREOF, the parties have agreed to the terms mentioned above and have set their hands here unto on the eighth day of May, 2023.

For Union Christian College, Aluva



Authorized Signatory

For Kallen Pokkudan Mangrove Tree Trust

  
Sreajith pailhalen

Authorized Signatory



SECRETARY  
KALLEN POKKUDAN  
MANGROVE TREE TRUST

Reg No. 140 / 13 / W

Meenakshi, Muttarakatt, PO Poringall,  
Kannur, Kerala, India - 570303

Union Christian College	Kallen Pokkudan Mangrove Tree Trust
Aluva	Reg No: 140/13/IV, Meenakshi, Muttukandi, Payangadi (PO) Kannur, Kerala, INDIA, 670303
Ph 0484 2609194	Ph 0497 2874346, Mob 9747346210
Uccollege@uccollege.edu.in	Kallenpökkudan@gmail.com
www.uccollege.edu.in	www.kallenpökkudan.com

Witness 1: Hanuman  
 Hanu. C. Das  
 Asst. Prof  
 Dept of History  
 UC College Aluva.

Witness 3:

Witness 2:

Witness 3:





## Report of the MOU with Kallen Pokkudan Mangrove Tree Trust and Kandal Club, Union Christian College, Aluva

### Activity:

Kandal Club UCC was started with an initiative for ecosystem restoration and mangrove conservation. The club focuses on raising awareness among college students about the importance of mangroves, their ecological significance, and the threats they face. The club plan to organize field visits, seminars, and educational campaigns to inform students about the role of mangroves in climate change mitigation, biodiversity conservation, and coastal protection.

UC College entered a Memorandum of Understanding (MoU) with the Kallen Pokkudan Mangrove Tree Trust, to establish a partnership for the creation and management of a Mangrove Club on 08/05/2023. The MOU solidifies their commitment to environmental conservation and sustainable practices, particularly in the preservation of mangrove ecosystems. By joining forces, Union Christian College and the Kallen Trust aim to raise awareness about the importance of mangroves, organize educational initiatives, and implement conservation projects to safeguard these unique habitats for future generations.

Event: “Oru Kalalayam Kandal Nattu Thudangunnu” (Meaning: A campus starting to plant Mangroves via Mangrove seed collection and nursery development)

Date: 12th May 2023

Location: T B Ninan Hall, UC College, Aluva

Mangrove forests are vital coastal ecosystems that provide numerous ecological benefits. To actively engage college students in mangrove conservation, a seed collection activity and nursery development initiative was undertaken at Union Christian College Aluva by the Kandal Club UCC. This initiative aimed to raise awareness about mangroves, promote hands-on involvement, and contribute to the restoration of degraded mangrove habitats.

Prior to the seed collection activity, a planning phase was conducted involving faculty members, environmental experts, and student volunteers. Guidelines and protocols for seed collection were established, ensuring ethical and sustainable practices.

Student volunteers embarked on field excursions to nearby mangrove areas, guided by faculty members Mr. Hanu G Das and Ms. Femi Anna Thomas along with experienced mentor Mr. Anandan Pokkuden and a Research Scholar from CUSAT, Ms. Ardra Appukuttan. These excursions allowed participants to observe and learn about various mangrove species, their adaptations, and their ecological significance. During the excursions, students actively collected mature and healthy mangrove seeds while adhering to ethical collection practices that ensure minimal impact on the natural environment. Seeds were collected from the Mangrove species *Avicennia marina*, and *Rhizophora mucronata*, and plant saplings of *Acanthus ilicifolius*, a mangrove associate was also collected.



After the collection, students gathered to process the collected seeds. This involved cleaning, sorting, and categorizing the seeds based on species and viability. Seeds were carefully examined, discarding any damaged or immature ones to ensure the best chances of successful germination. The seeds were further transferred to grow bags with mud and compost to ensure the germination.

The Nursery Development activities are in progress wherein a dedicated space within the college campus will be allocated for the establishment of a mangrove nursery. The area will be prepared with appropriate soil, containers, and irrigation facilities to provide optimal growing conditions.

Students will be actively involved in setting up the nursery infrastructure, including constructing shade structures, arranging seedbeds and bamboo pots, and organizing labeling systems for different mangrove species. The processed seeds will be sown in suitable bamboo containers or seedbeds within the nursery. Adequate watering, monitoring of temperature and humidity, and protection from pests and diseases will be ensured to facilitate successful germination and healthy growth.

The nursery served as a learning hub, providing opportunities for students to observe and understand the growth stages of mangroves firsthand.

Workshops, lectures, and interactive sessions will be conducted to educate students about the ecological importance of mangroves, the challenges they face, and the role of nurseries in restoration efforts. Further, the college will actively engage with local communities, inviting them to visit the nursery and learn about mangroves. Awareness campaigns will be organized, emphasizing the significance of mangroves for the community's well-being and encouraging their involvement in conservation initiatives.

## Field Trip Photos







## Mangrove seedlings transferred to Grow Bags







Mangrove seedlings transferring to growbags carried out along with the help of NCC cadets







## A Mangrove Seedling Handed Over to Major K.S. Narayanan Sir, NCC Officer (SD Boys), UC College







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## MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

**MATHLAB RESEARCH Pvt. Ltd.**

AND

**DEPARTMENT OF MATHEMATICS,**

**UNION CHRISTIAN COLLEGE, ALUVA**

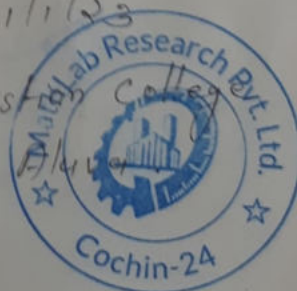
This Memorandum of Understanding (MOU) is a service agreement, to provide the technical assistance to the department through online mode for conducting Add-on courses for the ongoing students for acquiring necessary soft-skills; entered between **MATHLAB RESEARCH Pvt. Ltd.** (hereafter referred to as **MathLab Research**), having its Registered Office at 1<sup>st</sup> floor, Anjikkath Tower, Koonamthai (P O), Edappally, Cochin-682 024, and the **DEPARTMENT OF MATHEMATICS, UNION CHRISTIAN COLLEGE, ALUVA**, (hereafter referred to as **Department of Mathematics**).

No. 037254 Rs. 100/- 11/1/23

Principal Union Christian College

R. Beena, Stamp Vendor, Perumbavoor

Dr. M. I. Punnoose  
Principal in Charge  
U. C. College Aluva







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DL 737788

To this end the parties operating under this MOU agree as follows: -

- A. **MathLab Research** is a company, doing research, product development and provides industrial exposures to mathematics aspirants through industrial projects, trainings and Add-on courses.
- B. **Department of Mathematics**, Union Christian College ranks as one among the best in Mahatma Gandhi University. Started in 1925, it was upgraded to a postgraduate Department on 1965 and a Research Department in 1999.

The parties intend to enter into an MOU to provide the technical assistance to the Department of Mathematics through online mode for conducting Add-on courses for the ongoing students for acquiring necessary soft-skills for the students of **DEPARTMENT OF MATHEMATICS, UNION CHRISTIAN COLLEGE, ALUVA** with **MathLab Research** as their learning partner.

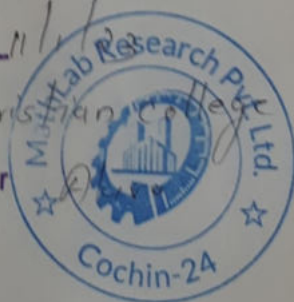
- C. **TRAINING/TECHNICAL SUPPORT:** MathLab Research will provide training content and technical support to the department to enhance the soft skills of the ongoing students. The details of the contents/technical support are included in **Annexure 1**.

Dr. M. I. Pundose  
Principal in Charge  
U. C. College Aluva

No. 037255 Rs. 100/- 11/1/23

Principal Union Christian College

V.R. Beena, Stamp Vendor, Perumbavoor



**D. RESPONSIBILITIES-MathLab Research: -**

- **MathLab Research** will provide the content of the training of Add-on courses through MathLab Research's official website and that includes recorded videos of theory and problems, pdf materials, tutorials and tests.
- Proper documentation of all add-on courses that includes schedule of classes, detailed syllabi of the Add-On courses, certificates of Add-On courses, attendance log, results of tests and internal/final evaluation marks, will be submitted to **Department of Mathematics**.

**E. RESPONSIBILITIES – Department of Mathematics,**

- **Department of Mathematics** on its part will be responsible to conduct the Add-on/Certificate courses for the students in the department of mathematics with the aid of MathLab Research's content/technical support.
- **Department of Mathematics** shall provide the lab facilities for the practical sessions of Add-on courses.
- **Department of Mathematics** makes sure that at least one program will be conducted every semester during the validity period of this MoU.

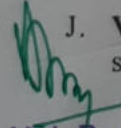
**F. FEE:** The fee for the technical support and assistance of various courses is attached in **Annexure-2**.

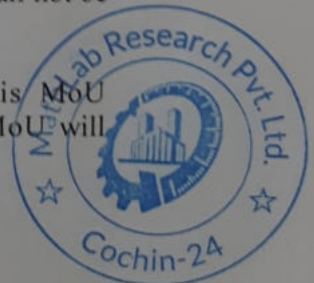
**G. PAYMENT:** The fee is to be paid by **Department of Mathematics** directly to **MathLab Research** with intimation to the authorities concerned of **Department of Mathematics** before the commencement of each program. **MathLab Research** will formally produce an invoice for the same to initiate the payment.

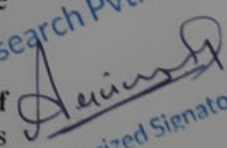
**H. CONDUCTING OF THE CLASSES:** **Department of Mathematics** shall announce and conduct the classes for the students in each semester according to their convenience. The classes shall be offline or online. **Department of Mathematics** shall provide the required facility (online/practical) for the registered students. The online classes for each program shall be conducted through **MathLab Research's** Website. The students will have the option to watch the video sessions multiple times at their own convenience and they can avail online technical assistance through MathLab Research's website.

**I. EXCLUSIVE SESSIONS:** The sessions of each batch of **Department of Mathematics** are exclusively for the registered batch. Non-registered students will not have the access to the online support. Each program is designed for one class of students. Students from various departments or different year shall not be permitted to be grouped.

**J. VALIDITY AND RENEWAL POLICY:** The validity of this MoU shall be for a period of 3 years starting from 08/02/2023. The MoU will

  
Dr. M. I. Punnoose  
Principal in Charge  
U. C. College Aluva



  
Authorized Signatory



automatically renew for the next three years if one of the parties has not terminated the contract or the party does not wish to terminate the contract.

K. **TERMINATION:** This MoU may be terminated by either party by notice in writing from the party not at fault if the other party is in breach of this MoU and fails to remedy the breach within thirty (30) days from receipt of notice in writing from the first party specifying the breach.

L. **CONFIDENTIALITY OF INFORMATION:** The parties herewith undertake to treat confidentially all information that they obtain directly or indirectly from each other within the framework of the student mobilization and training engagement. Confidential treatment means that the information obtained may not be made available to a third party and that the information may not be used for the parties' economic purposes or for the purposes of a third party. The parties undertake to use the information obtained solely for the purpose stipulated in this MoU. Any use going beyond that purpose or the conveying of information to a third party requires the written consent of both parties.

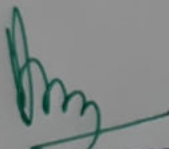
M. **FORCE MAJEURE:** Non-performance of either party (except for payment obligations) shall be excused to the extent that performance is rendered impossible by pandemics, strike, fire, flood, war, terrorism, act of God, government acts or orders or restrictions, failure of suppliers, or any other reason where failure to perform is beyond the control and not caused by the negligence of the non-performing party.

N. **NON-COMPETE and NON- POACH:** **MathLab Research and Department of Mathematics** and its employees should not propose any potential project directly with the client(s)/ students for whom work is undertaken as part of this MoU without the formal and written consent of the other party.

O. **LANGUAGE:** The parties hereto are satisfied that this MoU and all related documents be drawn for training purposes or any other purposes in the English language.

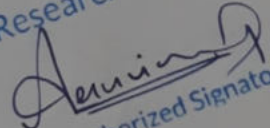
P. **ALTERATION:** Alterations and supplements to this MoU must be made in writing to hold validity. Neither of the parties shall do any act which is unethical, immoral or against any prevailing or future Law of India.

Q. In the event of any dispute, the Courts in Ernakulam shall have jurisdiction.

  
Dr. M. I. Punnoose  
Principal in Charge  
U. C. College Aluva

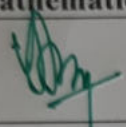
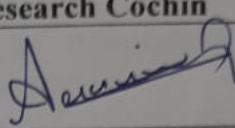


For MathLab Research Pvt. Ltd.

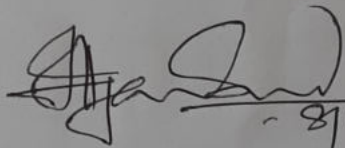
  
Authorized Signatory

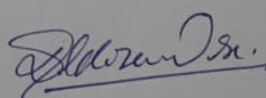


**DECLARATION:** IN WITNESS WHEREOF, THE UNDERSIGNED PARTIES, BY THEIR DULY AUTHORIZED REPRESENTATIVES BELOW, HAVE EXECUTED AND ENTERED INTO THIS MOU AS EFFECTIVE OF THE DATE OF SIGNATURE.

Department of Mathematics		MathLab Research Cochin	
SIGNATURE		SIGNATURE	
NAME	Dr. M. I. Punnoose Principal in Charge U. C. College Aluva	NAME	ARAVIND KRISHNAN - R
TITLE		TITLE	Operations Manager
DATE	08/02/2023	DATE	08/02/2023

Seal

Witness 1 Ajithkumar. P.C.  8/02/2023

Witness 2 Eldo Varghese 







## Department of Mathematics

### MoU with Mathlab Research Pvt. Ltd.

#### Report

The MoU was signed on 08.02.2023 between the Department of Mathematics, Union Christian College, Aluva and Mathlab research Pvt. Ltd. to provide technical assistance to the Department for conducting Add-on courses for the students for acquiring soft skills. Objectives is to provide training and technical support to the Department. Mathlab will provide training content and technical support to the Department to enhance the soft skills of the ongoing students.

#### Activity

Started an Add-on course for first year and second year UG students.

**UNION CHRISTIAN COLLEGE  
ALUVA**

**PG & Research Department of Mathematics**

Commencement of  
**Online Add-On Courses**  
for BSc Mathematics Students

Online Classes   Practical Sessions   Real life Problem Solving

In Association with

**M MATH LAB**  
Cochin  
A Clan Seeking the Unknown Horizons of Mathematics

08/02/2023

Mr. Kurian C Soman  
Course Co-Ordinator

Dr. Anu Nuthan Joshua  
Head of the Department

Dr. M I Punnoose  
Principal



Union Christian College, Aluva  
Department of Mathematics

Notice

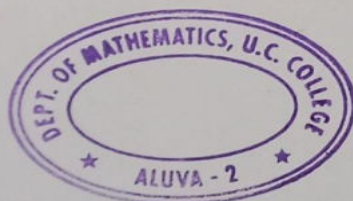
The Department of Mathematics shall start online Value added courses on

1. Mathematical Typesetting Using LaTeX
2. Basics of Statistics Using Microsoft Excel.

in association with Math Lab, Cochin

It shall be a 30 hours course including Online/Offline classes and Practical sessions. Students from the Department are requested to enrol themselves for the courses and participate actively to make it a grand success.

Registration forms are available from the Department.



Anu Nuthan Joshua  
Dr. Anu Nuthan Joshua  
Head of the Department  
HEAD OF DEPARTMENT OF MATHEMATICS  
UNION CHRISTIAN COLLEGE  
ALUVA - 683 102

### Outcome of the activity

The students are developing their skills on using MS Excel, LateX, geogebra software, R programming etc.





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## Memorandum of Understanding

This Memorandum of Understanding is signed between Kerala Mathematical Association, Ernakulam represented by its Academic Secretary and the Principal, Union Christian College.

WHEREAS Union Christian College, Aluva hereinafter referred to as Union Christian College (affiliated to Mahatma Gandhi University, Kottayam) is a College offering UG, PG and research programmes catering to the higher educational needs of this region.

WHEREAS Kerala Mathematical Association hereinafter referred to as KMA is an organization to serve the mathematical community comprising students, teachers and researchers inside Kerala and outside.

WHEREAS Department of Mathematics of Union Christian College and KMA are desirous of collaborating with each other in the area of mutual interest.

NOW THEREFORE both Union Christian College and KMA enter into this Memorandum of Understanding (MoU) on 14 February 2023, with more specific terms of reference explained in the succeeding paragraphs.

*Dr. Sunny Kurian*  
Academic Secretary KMA

*[Signature]*



No. 037256 Rs. 100/- 11/1/23

Principal Union Christian college

V.R. Beena, Stamp Vendor, Perumbayoor Aluva





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DL 737789

#### GENERAL OBJECTIVES AND SCOPE OF WORK

The following are the general objectives proposed under this Memorandum of Understanding.

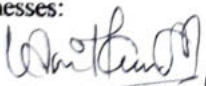

1. To conduct faculty development programmes by KMA
2. To initiate and to carry on collaborative research projects
3. To publish research articles in the journals published by KMA
4. To conduct seminars/workshops on emerging areas
5. To suggest changes in the syllabus content of courses offered


#### GENERAL TERMS AND CONDITIONS

The following general terms and conditions of this MoU are applicable to both Union Christian College and KMA.

1. The undertaking of each programme of activity will be subject to mutual acceptance.
2. The division of work and responsibilities as detailed in the MoU are clearly understood and agreed to by both the institutions.
3. The validity of this MoU is for a period of 3 years from the date of its signing.

Principal  
Union Christian College  
Witnesses:

1.  Dr. M. Anil Kumar
2.  Eldo Varghese

  
Academic Secretary  
Kerala Mathematical Association



NO. 037257 100/ 11/1/23

Principal Union Christian College  
V.R. Beena, Stamp Vendor, Perumbavoor Aluva.





## Department of Mathematics

### MoU with Kerala Mathematical Association

#### Report

The MoU was signed on 14 February 2023 to conduct faculty development programmes, to carry on collaborative research projects, to publish research articles in the journals published by KMA and to conduct seminars and workshops. Objectives are to conduct faculty development programs, to carry on collaborative research projects to publish research articles in the journals published by KMA and to conduct seminars and workshops

#### Activity

Department conducted a National seminar on 'Number Theory and Discrete Mathematics' in association with KMA on 7<sup>th</sup> March 2023.

#### ABOUT THE DEPARTMENT

The Department of Mathematics, Union Christian College was started in 1923. It was upgraded into a Postgraduate Department in 1965. For the past hundred years, the Department is functioning as a center of quality education in Mathematics. Department regularly conducts seminars/workshops that enhance the mathematical abilities of students.

#### INVITED SPEAKERS

**Dr. Satyavolu Srinivasa Rau**  
Associate Professor  
The ICFAI Foundation For Higher Education

**Dr. K Pravas**  
Assistant Professor  
Department Of Mathematics  
Maharajas  
College, Ernakulam

**Dr. Seethu Varghese**  
Assistant Professor  
Department Of Mathematics  
Bharata Mata College, Thrikkakara

Sir/Madam,

The Department of Mathematics, Union Christian College, Aluva organizes a National Seminar on 'Number Theory & Discrete Mathematics' on 7th March 2023 in association with Kerala Mathematical Association (KMA). We solicit the esteemed presence and active participation from your institution.

#### DETAILS OF THE LECTURES

Lecture 1 : Hardy - Ramanujan's Round Numbers

Lecture 2 : Some Problems in Graph Theory

Lecture 3 : From Seven Bridges To Power Domination

With Warm Regards,

**Dr. M.I Punnoose**  
Principal

**Dr. Anu Nuthan Joshua**  
Head Of The Department

For details contact:  
**Mr. Kurian C. Soman**  
Faculty Co-ordinator  
Ph. No : 99616 94351



#### National Seminar On

#### Number Theory & Discrete Mathematics

March 07, 2023

Organised By

Department of Mathematics,  
Union Christian College, Aluva

In collaboration with

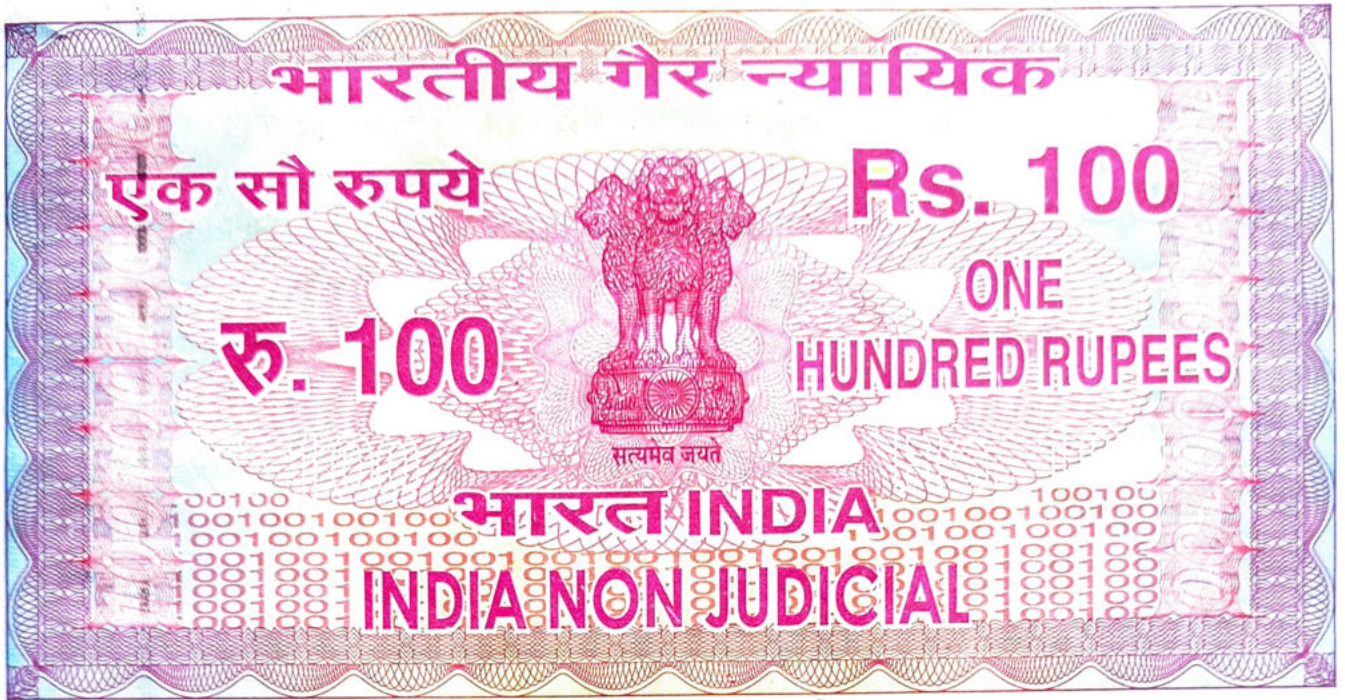
Kerala Mathematical Association



### Outcome of the Activity

The students enthusiastically interacted with the resource persons and they were able to understand recent developments in the branch of Discrete Mathematics. The session also helped in bringing up research interests in students.





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EA 136217

**Memorandum of Understanding**

*between*

**Greater Cochin Development Authority (GCDA), Kadavanthra, Pin 682020**

**and**

**Union Christian College, Aluva**

*for the construction of Happiness Index for the GCDA*

**This agreement** is executed on 20<sup>th</sup> day of month of April in the year 2023 by **GREATER COCHIN DEVELOPMENT AUTHORITY**, a body corporate constituted under the Town Planning Act (IV of 1108) as per GO(MS) 91/76/LA & SWD dated 23.01.1976 and reconstituted under the Kerala Town and Country Planning Act of 2016 (act 9 of 2016) and notified as per clause 51 of the ibid act by Government of Kerala wide Go(P) 47/ 2016 /LSGD dated 16/12/2016 and having its office at Kadavanthara in Kochi- 682020, Kerala ,India,(who for the purpose of this agreement are hereinafter individually referred to as Party of the First Part), represented by its Secretary **Sri K.M.Gopakumar** and referred to as the **"FIRST PARTY"** and the **Union Christian College ( Department of Economics ) ,Aluva** [Hereinafter referred to as the **"SECOND PARTY"**]



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PRINCIPAL  
CC COLLEGE  
ALUVA  
K. H. SHAJAHAN  
STAMP VENDOR  
ALUVA





The FIRST PARTY and The SECOND PARTY, having discussed fields of common research interests and allied activities between the two organizations, have decided to enter into collaboration for the construction of Happiness Index for the first party, promotion of research with regard to the various aspects of the construction of Happiness Indices, students' training and postgraduate research.

WHEREAS The FIRST PARTY being a Development Authority whose jurisdiction area includes the Kochi Corporation, 9 Municipalities and 21 Panchayaths with a total area of 632 Sq. Km and is vested with the following powers as per clause 56 of The Kerala Town and Country Planning Act, 2016.

- i. Preparation and implementation of land re-adjustment or land pooling or land banking schemes for the purpose of implementation of projects in the Development Authority area, in tune with the provisions of this Act;
- ii. Promoting planned development as envisaged in the Plans for the development authority area, through tools like Transfer of Development Rights, accommodation reservation etc.;
- iii. Set-up special function agencies, if required, and guide, direct and assist them on matters pertaining to their respective functions;
- iv. Co-ordination of implementation of Plans under this Act in the Development Authority area;
- v. Perform such other functions as are supplemental, incidental or consequential to items (i) to (iii) above or as may be directed by the Government, the District Planning Committee or the Metropolitan Planning Committee, as the case may be, from time to time.

ANDWHEREAS the "SECOND PARTY", Union Christian College, Aluva, affiliated to Mahatma Gandhi University, Kottayam, Kerala, is included under Section 2(f) and 12(B) of UGC Act 1956.

#### **Article 1. Scope**

- 1.1 The SECOND PARTY has consented to collaborate with the FIRST PARTY, for conducting survey related to Happiness Index Project. The students from the department of Economics will be involved in this programme.



- 1.2 Operational details of research effort and collaboration will be made in common research programmes and/or projects restricted to specific mandated domain within the approved disciplines/divisions.
- 1.3 An advisory committee shall be formed which included 2 nominees from both the parties which shall review the activities performed under the MoU
- 1.4 Research and library facilities available with the FIRST PARTY and The SECOND PARTY will be made available to the faculty and research scholars. However, the costs of specific consumables will be borne by the respective organizations.

## **Article 2. Management**

- 2.1 The FIRST PARTY and The SECOND PARTY will be responsible to work out operational details of co-operation between the two organizations and ensure proper and effective implementation of this MoU.
- 2.2 The Advisory Committee will meet at least once in a year alternatively either at GCDA, Kadavanthra or in Union Christian College, Aluva (Second party) to review the activities. This meeting shall include presentation on the Happiness Survey, which should be open to the students, faculty as well as the academic community.

## **Article 3. Exchange of Information**

- 3.1 The term "information" includes scientific or technical data, results and/or methods of investigation, and other information intended to be provided, exchanged or arising under project descriptions entered into pursuant to this MoU.
- 3.2 The parties support the widest possible dissemination of information. Each party in joint projects shall be given the right to use, disclose, publish or disseminate such information for any and all purposes with prior written consents from the parties concerned.

## **Article 4. General Provisions**

- 4.1 It is understood that the FIRST PARTY and the SECOND PARTY subscribe to the principle of equal opportunity and do not discriminate on the basis of race, sex, age,

caste or religion. Both the parties shall abide by these principles in the administration of this agreement and neither party shall impose criteria for exchange of scholars or students, which violate principles of non-discrimination.

- 4.2 Both parties understand that all financial agreements will have to be negotiated separately and will depend on the availability of funds.
- 4.3 Both parties acknowledge that exchange of students or expertise from one party to the other shall be subject to the availability of funds and shall comply with the regulations and policies of the FIRST PARTY and the SECOND PARTY.
- 4.4 All questions related to this MoU arising during its term will be settled by the parties by mutual agreement. Disagreements at the operating level shall be forwarded to respective higher officials for appropriate resolution failing which an arbitrator of mutual acceptance may be identified for the settlement of dispute, if any.
- 4.5 All questions not foreseen related to this MoU will be handled by the parties by mutual agreement.
- 4.6 Nothing in this MoU is intended to affect other cooperation or collaborations between the parties.

#### **Article 5. Entry into effect, modification and termination**

- 5.1 This MoU shall become effective on the date it is signed by the parties and shall be valid for three years extendable up to five years. Both parties shall review the status of the MoU at the end of each three/five-year period to determine any modification, whenever necessary. The period of validity of this MoU may be extended by mutual consent up to five years. This MoU may be amended by mutual written agreement and may be terminated at any time by either party upon written notification signed by the competent authority of the party initiating termination. Such notification must be given to the other party at least three months in advance from the effective date of termination.
- 5.2 All joint activities which are not completed at the expiration or termination of the MoU may be continued until their completion under the terms of this MoU.



5.3 No amendment or modification of the MoU shall be valid unless the same is made in writing by both the parties or their authorized representatives and specifically stating the same to be amendment of the MoU. The modifications/changes shall become part of the MoU and shall be effective from the date on which they are made/ executed, unless otherwise agreed to.

This MoU has been executed in two originals, one of which has been retained by the FIRST PARTY and the other by the SECOND PARTY.

IN WITNESS WHEREOF, the parties have executed this MoU and represent that they approve, accept and agree to terms contained herein.



(Signature with seal)

FIRST PARTY

Sh. K. M. Gopakumar

Secretary

GCDA, Kadavanthra

Kochi -682020



Dr. M. I. Punnoose  
Principal in Charge  
(Signature with seal)  
U.C. College Aluva

SECOND PARTY

Dr. M. I. Punnoose

Principal

Union Christian College, Aluva

Pin- 683102

Tel. No. 0484-2205882

Tel. No. 0484 2609194

Date : 27/4/2023

Date: 20/4/2023

For the GCDA

Witness 1:

SUBITA

TOWN PLANNING OFFICER  
GCDA

സുഭാഷ്. എസ്  
ടൗൺ പ്ലാനിംഗ് ഓഫീസർ

For the Union Christian College, Aluva

Witness 1: Dr. Ann George

Head,

Department of Economics

Union Christian College, Aluva



## Report of The MoU with Greater Cochin Development Authority (GCDA) and Union Christian College (Department of Economics)

The MOU with GCDA was signed on 20<sup>th</sup> April 2023 for a period of three years. Greater Cochin Development Authority is the statutory body overseeing the development of the city of Kochi in the state of Kerala, India. The MOU was signed by Union Christian College for students to gain experience of research and extension. The Department of Economics will be co-ordinating the activities under this MOU. This MOU was signed following a collaborative activity conducted by Department of Economics with GCDA in January 2023.

### Report and Proof of the activity

A survey was carried out by GCDA in January 2023 with the objective of constructing a 'Happiness Index' of the city of Kochi. This survey was conducted with the help of students of different colleges. The students of department of Economics, Union Christian College took part in this survey. As proof of this activity a letter of appreciation from GCDA and photo of participants is pasted below.

### Letter of Appreciation

 **GREATER COCHIN DEVELOPMENT AUTHORITY**  
P.O.No:2012 Phone - 2204261, 2205122 Fax: 01 484 2205236 Kochi - 682 020  
website: [www.gcdakerala.gov.in](http://www.gcdakerala.gov.in) E-mail : [gcdaonline@gmail.com](mailto:gcdaonline@gmail.com)

No. 4244/PL.1/2022/GCDA Date: 09.03.2023

From,  
The Secretary,  
GCDA,

Sir,

**Sub: - GCDA – Planning Section – Letter of appreciation – Happiness Index Report**

I take this opportunity on behalf of Greater Cochin Development Authority to appreciate the students of your college who had participated in the survey work for the preparation of Happiness report, a study by the Authority.  
I hope that your institution will be able to co-ordinate with GCDA for further such innovative projects in the future.

Yours faithfully,  
  
Secretary

To,

1. The Head of the Department,  
Departments of Economics,  
Maharajas College, Ernakulam.
2. The Head of the Department,  
Departments of Economics,  
Morning Star Home Science College, Angamaly.
3. The Head of the Department,  
Departments of Economics,  
St Teresa's College, Ernakulam.





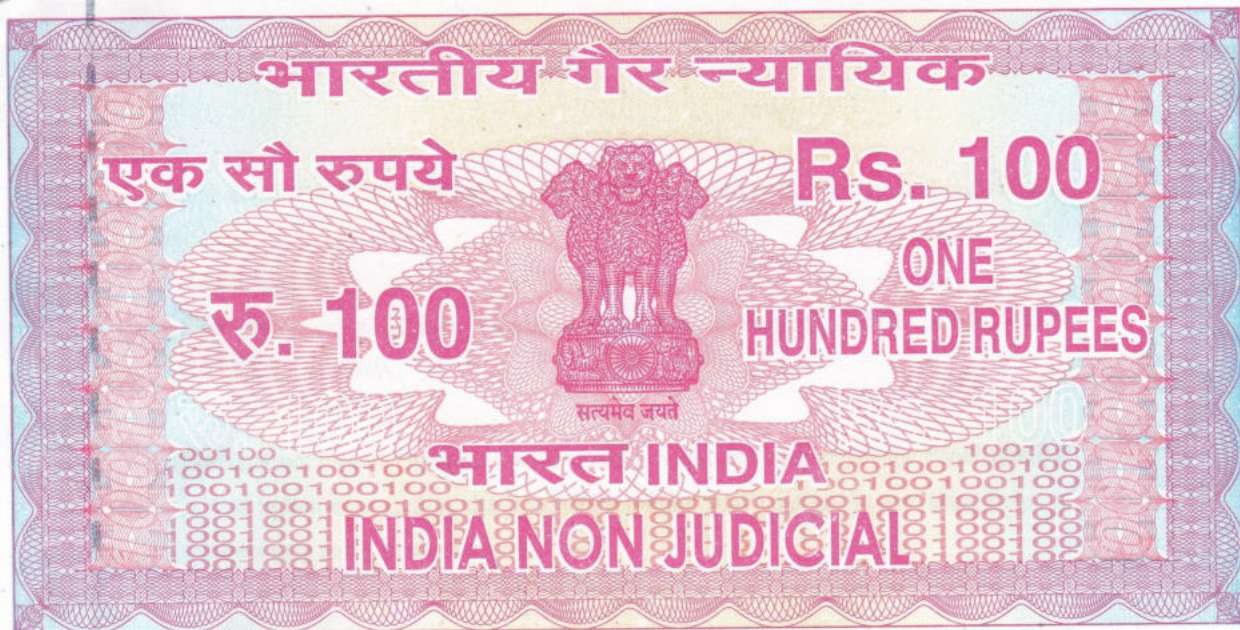


4. The Head of the Department,  
Departments of Economics,  
SH College, Thevara.
5. The Head of the Department,  
Departments of Economics,  
St Paul's College, Kalamassery.
6. The Head of the Department,  
Departments of Economics,  
Government Arts College, Thrippunithura.
7. The Head of the Department,  
Departments of Economics,  
Bharath Mata College, Thrikkakara.
8. The Head of the Department,  
Departments of Economics,  
UC College, Aluva.



### Outcome of the Activity

Fifteen students who participated in the survey received rigorous training for empirical data collection using survey method. They also gained an understanding of the construction of happiness index, an index which is gaining much popularity in the development circles.



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DZ 827420

#### MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (here in after called as the 'MOU') is entered into on this the 22<sup>nd</sup> day of May Two Thousand and Twenty-Three (22/05/2023) by and between

Union Christian College, Aluva, the first party represented here in by its Principal (here in after referred as 'First Party', the institution which expression, unless excluded by or repugnant to the subject or context shall include it successors-in-office, administrators and assigns) on the first part.,

AND

Karumalloor Grama Panchayat, a local self-government body under the Panchayat Raj Act of 1994 of Indian constitution represented by Secretary, Karumalloor Grama Panchayat (here in after referred to as "second party", the institution which expression, unless excluded by or repugnant to the subject or context shall include it successors-in-office, administrators and assigns) on the second part.

നമ്പർ 1983 തീയതി 26/4/23 രൂപ

Principal Union Christian College

Aluva, DZ

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സ്റ്റാമ്പ് വെണ്ടർ, ആലുവ





(First Party and Second Party are here in after jointly referred to as 'Parties' and individually as 'Party') as

WHEREAS :

- A) First Party is a Higher Educational Institution named UNION CHRISTIAN COLLEGE, ALUVA.
- B) Karumalloor Grama Panchayat, a local self-government body under the Panchayat Raj Act of Indian constitution, the Second Party here in is engaged in providing helps to conduct data collections and related helps.
- C) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interests.


NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOWS:


- 1.1 The Second Party will provide necessary arrangements for the First Party to implement the previously mentioned activity in the Second Parties institution.

#### VALIDITY AND TERMINATION

- 2.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms.
- 2.2 Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations.

IN WITNESSES WHEREOF, the parties have agreed to the terms mentioned above and have set their hands here unto on the eighth day of May, 2023.

  
For Union Christian College, Aluva

  
For Karumalloor Grama Panchayat



Authorized Signatory:

**P. M. I. Punnoose**  
Principal in Charge  
U. C. College Aluva



Authorized Signatory:

**Amritha T. Mohan**  
Secretary, Karumalloor Grama Panchayath  
കരൂമാല്ലൂർ ഗ്രാമപഞ്ചായത്ത്  
സെക്രട്ടറി, കരൂമാല്ലൂർ പി. ഒ. / Karumalloor P. O.  
പിൻ / Pin-683511, ഫോൺ / Ph: 9496045713

Union Christian College	Karumalloor Grama Panchayat
Aluva	Aluva
Ph 0484 2609194	Ph 0484 2870478
Uccollege@uccollege.edu.in	secrkarumallurpanchayat@gmail.com
www.uccollege.edu.in	

Witness 1:

**Juby John**  
Assistant Professor  
Dept of History  
U.C. College, Aluva.

Witness 2:

**Minitha V. S**  
Clerk  
Karumalloor G.P.

Witness 3:

**Hann. G. Das**  
Assistant Professor  
Department of History  
U.C. College, Aluva.

Witness 4:

**Ann Kuriakose**  
Head Clerk  
Karumalloor GP





## Department of History

### MOU with Karumalloor Grama Panchayat

#### Report

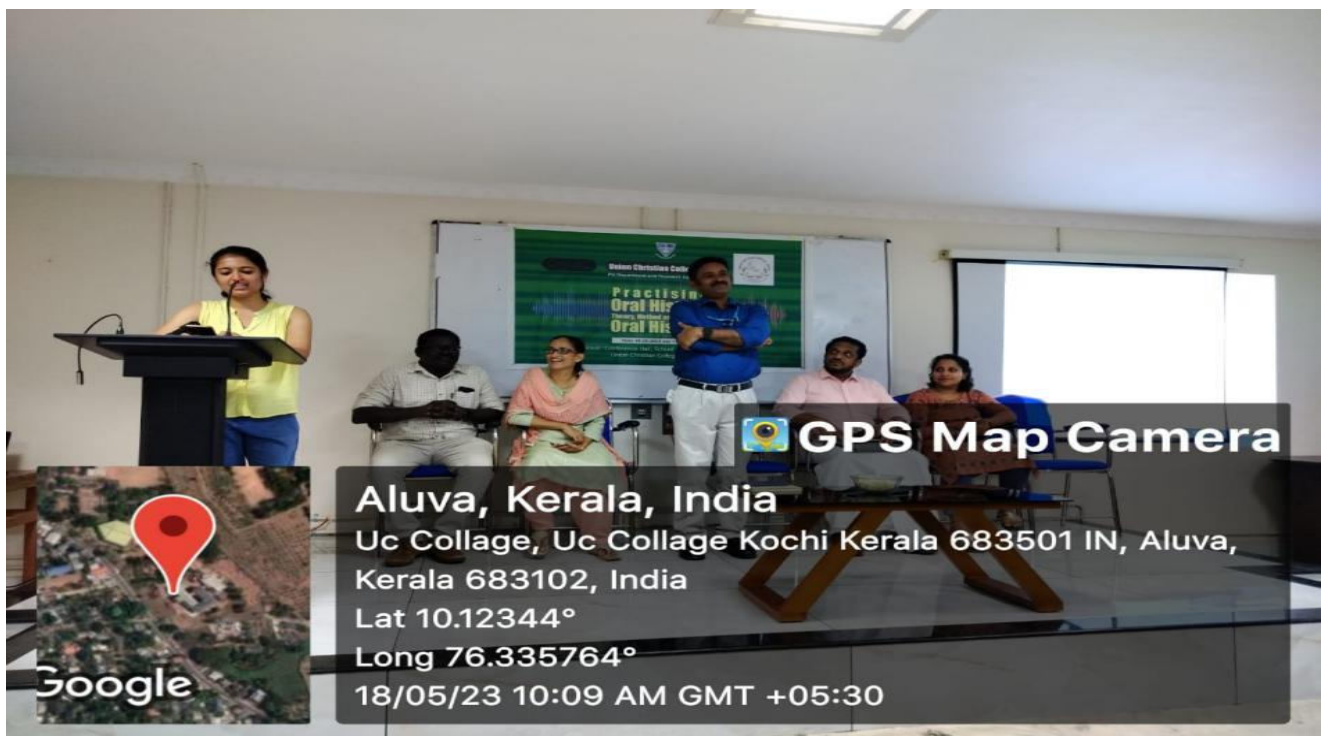
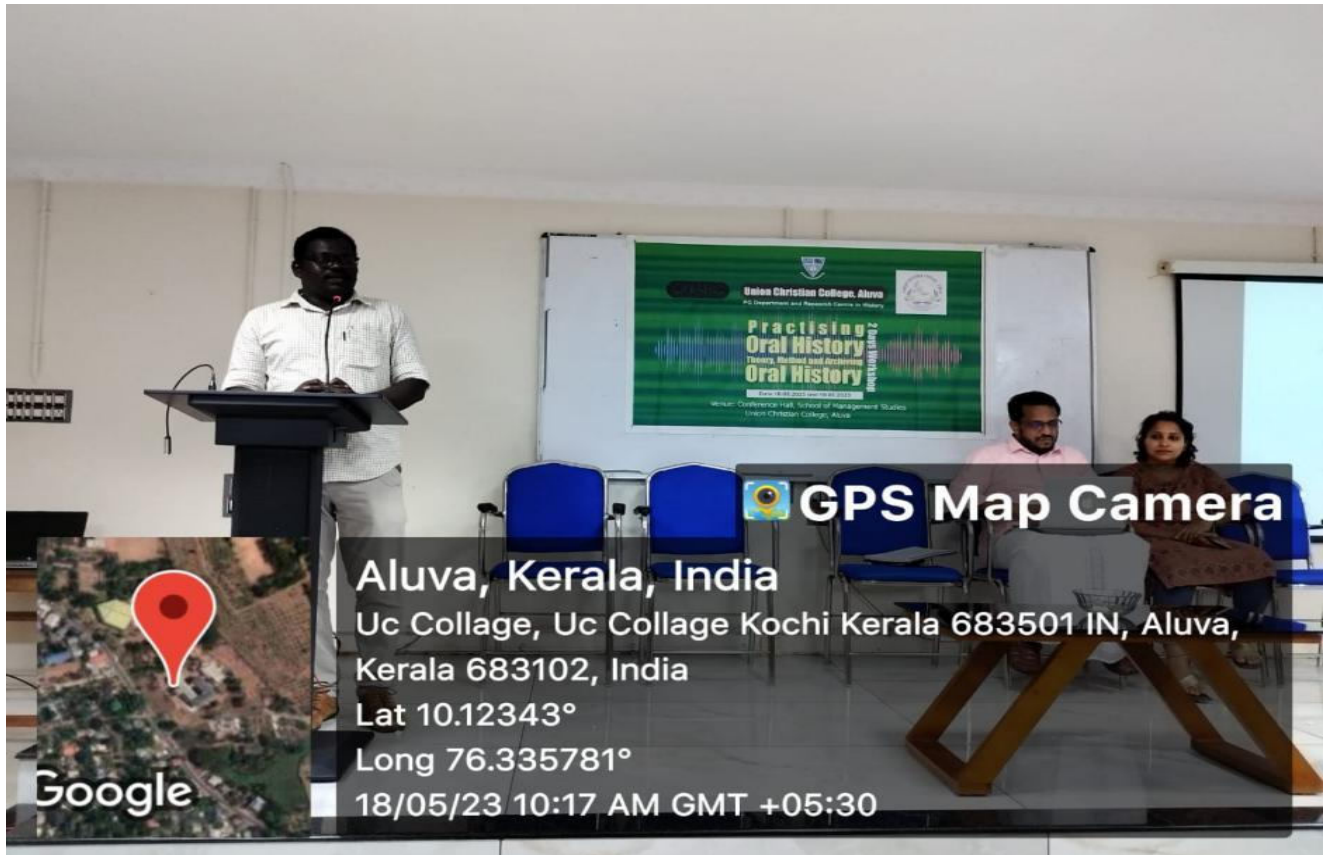
MoU was signed on 22.05.2023 between Union Christian College, Aluva and Karumalloor Grama Panchayat, a local self-government body under the Panchayat Raj Act of Indian constitution. The Grama Panchayat will help in conducting data collection and related help. Objective is to collect, digitize, preserve and make available memories about the region Aluva, but in the long term, to do the same for memories related to themes such as migration, environment, gender, caste, religious and cultural practices, social and political movements, traditional knowledge, public institutions, etc. The spoken memories shared during an interview are from witnesses or participants in an event or a time period, hence, they can be counted as primary material through which history is known and understood. The objective is to develop a pool of such primary historical accounts, first hand, preserved and made available, and eventually, pave the way for establishing one of the pioneering centres of oral history in South Asia.

#### Activity : The Oral History Archives and Research Centre (OHARC)

The primary objectives of this project is as follows:

1. To put in place a system that would record, preserve and disseminate voices from the past and about the past, and therein create an organic resource base for studying and understanding the past.
2. To recognize and acknowledge unheard memories and voices that would otherwise remain invisible or marginalized in a world where the written or the printed word is prioritized.
3. To document histories with all its emotional content.
4. To develop a resource base for research students of history and other disciplines.
5. To train students in oral history.
6. To democratize historical knowledge, wherein, anyone can contribute their memories and access those memories.
7. Towards Total history

The inauguration ceremony of OHARC materialized on 18.05.2023 9.30 am at Conference Hall, School of Management Studies. U C College Aluva. It was an esteemed occasion attended by esteemed guests, faculty members, students, and community representatives. The event commenced with an introduction to OHARC's vision and objectives, emphasizing its commitment to preserving and promoting oral history.







## Outcome of the Activity

In the long term, this project hopes to digitize the entire written documents, testimonies, and photographs on the region, Aluva, and therein, convert it into a virtual archives with provisions for online access and consultation, so that it may be yet another addition to the rich history of Aluva and the times gone by; to collaborate with national and international centres, and begin short term courses on oral history; to develop the archive into a premier Centre for Oral history research in the country; and to offer consultancy services to other institutions in opening oral history archives in their own institutional settings thus making it one of our **Best Practices**.