

MEMORANDUM OF UNDERSTANDING (MOU)

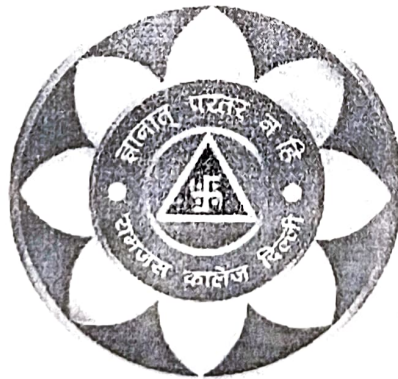
Between



K.R. MANGALAM UNIVERSITY

Sohna Road, Gurugram (Haryana)-122103, India

and



RAMJAS COLLEGE

UNIVERSITY OF DELHI

University Enclave, Delhi-110007, India

A handwritten signature in blue ink, appearing to be "Jmf", is written over a horizontal line.

Registrar

K.R. Mangalam University
Sohna-Road, Gurugram, (Haryana)

Ramjas

MEMORANDUM OF UNDERSTANDING

The Memorandum of Understanding is executed on 15th day of September, 2022.

BETWEEN

K.R. Mangalam University, Sohna Road, Gurugram – 122103, Haryana, India (Delhi NCR Region), a state private university established under the Haryana Private Universities Act 2006, and empowered to award degrees as specified by UGC under section 2f of the UGC Act, 1956, through its Registrar, presently Gp. Capt. P. Mahajan duly authorized to enter into and sign an MOU on behalf of K.R. Mangalam University (hereinafter referred to as KRMU), PARTY OF THE FIRST PART.

AND

Ramjas College, University of Delhi, University Enclave, Delhi-110007, India through its Principal, duly authorized in this regard to sign an MOU on behalf of Ramjas College, PARTY OF THE SECOND PART.

The expression KRMU and Ramjas College shall, mean and include the Institutions/Organizations, their successors, appointees, assignees etc.

1. SCOPE OF THIS AGREEMENT

The scope of collaboration on academic and research activities in this Memorandum of Understanding includes the following categories:

- (i) Academic and Research collaboration in the areas of mutual interest. It is expected that this collaboration will in due course lead to collaborative research projects, joint publications, joint conferences/workshops/seminars, etc.
- (ii) Joint supervision of UG/PG/PhD students in the areas of interest, Faculty development programs.

2. RESEARCH COLLABORATION

Faculty from both Institutions will collaborate in the joint research in disciplines of mutual interest. All such joint research activities will be governed by the terms as given below:

- a. Proposals for collaborative research work under this Memorandum will be submitted with the prior approval of the Head of each institution, or his/her nominee.

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

- b. Each institution will nominate one of its members as its representative in charge of the cooperative programme. Individual programme of work under this Memorandum will be jointly planned and conducted by the nominees of both parties.
- c. Procedures followed in any activity under MOU will be reviewed and approved by designated authorities of both parties.
- d. Neither K.R. Mangalam University nor Ramjas College (University of Delhi) will be held responsible for any liability to the party, and neither party shall be required to purchase any insurance against loss or damage to any property due to activities to which this agreement relates.
- e. Every collaboration will have its own agreement / contract which addresses issues such as IPR, funding pattern, usage policies of research facilities, disclosure of information etc.

3. FACULTY COLLABORATION

- i. Pursuant to the agreement for academic exchange, K.R. Mangalam University and Ramjas College (University of Delhi) may invite faculty to deliver guest lectures, organize FDPs and engage in joint guidance of research projects according to the terms mutually agreed by both parties.
- ii. Participants will be subjected to the rules and regulations of the host institution.
- iii. The scope and duration of the collaboration may be amended and/or extended through the joint agreement further with the consent and approval of both the parties.

4. COMMENCEMENT, RENEWAL, TERMINATION AND AMENDMENT

This MoU will come into force upon affixing of the signatures of the representatives of the partner institutions and will remain in effect for three years. This MoU will be renewed after each three years, with the agreement of both the partner institutions. If either partner institution wishes to terminate the MoU, it must notify the other institution not less than two months prior to date of termination.



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Sohna Road, Gurugram, (Haryana)

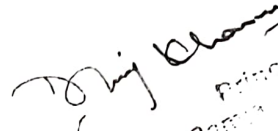
This MoU or its renewal and the actions taken under it may be reviewed at any time. Modifications may be made by mutual agreement and any amendment or extension to the agreement may be formalized by the exchange of letters between the two parties.

For K.R. Mangalam University

For Ramjas College, University of Delhi


Registrar
K.R. Mangalam University
Sohna Road, Gurugram
Haryana - 122103

Gp. Capt. P. Mahajan
Registrar
K.R. Mangalam University
Sohna Road, Gurugram-122103
Haryana - 122001, India


Principal
Ramjas College
University Enclave
Delhi-110007

Prof. Manoj Kumar Khanna
Principal
Ramjas College, University of Delhi
University Enclave
Delhi-110007, India



1. WITNESS:

Dr. Pawan Kumar (Associate Dean Research)
K.R. Mangalam University
Sohna Road, Gurugram
Haryana-122103, India



1. WITNESS:

Prof. Hament Kumar Rajor (Vice Principal)
Ramjas College, University of Delhi
University Enclave
Delhi-110007, India



2. WITNESS:

Dr. Seema Raj - Associate Professor (SBAS)
K.R. Mangalam University
Sohna Road, Gurugram
Haryana-122103, India



2. WITNESS:

Prof. (Dr.) Sunil Kumar
Ramjas College, University of Delhi
University Enclave
Delhi-110007, India



Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)



DEPARTMENT OF PHYSICS RAMJAS COLLEGE

UNIVERSITY OF DELHI,
DELHI - 110007, INDIA

Ph: +91 11-27667706, Fax: +91 11-27667447
e-mail: skumar@ramjascollege.org

PROF. SUNIL KUMAR

Date: 8 August 2023

To,

Ms. Sejal

B.Sc.(H) Mathematics, 5th Semester

School of Basic & Applied Science

K.R. Mangalam University

Sohna Road, Gurugram

Haryana-122103, India

Subject: Completion of Internship from 11 July 2023 to 1 August 2023 in Econophysics Research

Dear Sejal,

I trust this letter finds you in excellent health and good spirits. I am delighted to inform you of the successful conclusion of your internship in the realm of Econophysics research at Ramjas College, University of Delhi.

Throughout your internship, you demonstrated remarkable commitment, passion, and an admirable work ethic. Your contributions to the ongoing econophysics research initiatives have proven to be invaluable and perceptive. Engaging in various research undertakings, such as data analysis, literature reviews, and scholarly discussions, showcased your exceptional intellectual curiosity and sharp analytical skills.

Moreover, your proactive approach to learning and your eagerness to tackle research challenges have been truly commendable. Your ability to grasp intricate concepts and apply them in practical research settings is a testament to your academic prowess.

I would like to seize this opportunity to convey my sincere appreciation for your significant contributions to the research pursuits at Ramjas College. Your presence has served as a wellspring of inspiration for both faculty members and fellow students alike. Your collaborative spirit and scholarly rigor have greatly enriched the research milieu.

I have complete confidence that the knowledge and experience you have acquired during your internship will serve as a robust foundation for your forthcoming academic and professional ventures. Your unwavering dedication to the field of econophysics is commendable, and I am optimistic that you will continue to thrive in your chosen path.

Please do not hesitate to reach out should you require any further guidance or support along your academic journey. I extend my best wishes for your success in all your future endeavors.

Once again, congratulations on the successful completion of your internship. I eagerly anticipate hearing about your continued accomplishments.

Warm regards,

Dr. Sunil Kumar
(Professor)

Prof. (Dr.) Sunil Kumar
Professor
Department of Physics,
Ramjas College,
University of Delhi,
Delhi-110007, INDIA

Meena

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)



DEPARTMENT OF PHYSICS

RAMJAS COLLEGE

UNIVERSITY OF DELHI,

DELHI - 110007, INDIA

Ph: +91 11-27667706, Fax: +91 11-27667447

e-mail: skumar@physics.uod.ac.in

PROF. SUNIL KUMAR

October 6, 2023

Mx Muskan
B.Sc. (H) Mathematics, 5th Semester
School of Basic & Applied Science
K.R. Mangalam University
Sohna Road, Gurugram
Haryana-122103, India

Subject: Completion of Internship from 11 July 2023 to 1 August 2023 in Econophysics Research

Dear Muskan,

I hope this letter finds you in great health and high spirits. I am pleased to inform you that your internship in the field of Econophysics research at Ramjas College, University of Delhi, has concluded successfully.

Throughout your internship, you exhibited exceptional dedication, enthusiasm, and a commendable work ethic. Your contributions to ongoing econophysics research projects have been highly valuable and insightful. Your active involvement in various research tasks, including data analysis, literature reviews, and academic discussions, demonstrated a strong intellectual curiosity and sharp analytical acumen.

Additionally, your proactive learning approach and your willingness to tackle research challenges have been truly commendable. Your capability to grasp complex concepts and apply them in practical research scenarios reflects your academic aptitude.

I would like to take this moment to express my sincere gratitude for your substantial contributions to the research endeavors at Ramjas College. Your presence has been a source of inspiration for both faculty members and fellow students. Your collaborative spirit and academic rigor have significantly enriched the research environment.

I am confident that the knowledge and experience gained during your internship will provide a solid foundation for your future academic and professional pursuits. Your commitment to the field of econophysics is admirable, and I have no doubt that you will continue to excel in your chosen path.

Please feel free to reach out if you need any further guidance or support along your academic journey. I extend my best wishes for your success in all your future endeavors.

Once again, congratulations on the successful completion of your internship. I look forward to hearing about your continued achievements.

Warm regards,

Dr. Sunil Kumar

(Professor)

Prof. (Dr.) Sunil Kumar
Professor
Department of Physics,
Ramjas College,
University of Delhi,
Delhi-110007, INDIA

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)



DEPARTMENT OF PHYSICS

RAMJAS COLLEGE

UNIVERSITY OF DELHI

DELHI - 110007, INDIA

Ph: +9111-27667706, Fax: +9111-27667747

e-mail:

PROF. SUNIL KUMAR

October 6, 2023

Ms. Muskan
B.Sc. H. Mathematics - 5th Semester
School of Basic & Applied Science
K.R. Mangalam University
Sohna Road, Gurugram
Haryana-122103, India

Subject: Completion of Internship from 11 July 2023 to 1 August 2023 in Econophysics Research

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Warm regards,

Dr. Sunil Kumar

Professor

Prof. (Dr.) Sunil Kumar
Professor
Department of Physics,
Ramjas College,
University of Delhi,
Delhi-110007, INDIA

Registrar

K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

Meena



K.R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

SCHOOL OF BASIC AND APPLIED SCIENCES

Academic Session 2022-23

SBAS/Notice/2022-23/

9 December 2022

NOTICE

WEBINAR ON “COMPLEXITY AND DATA SCIENCE APPROACH TO STUDY FRAGILITY IN FINANCIAL MARKET”

IN COLLABORATION WITH


RAMJAS COLLEGE, UNIVERSITY OF DELHI (UNDER MOU)

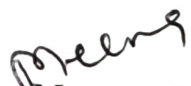
- [1] School of Basic and Applied Sciences is planning a Webinar on “Complexity and Data Science Approach to Study Fragility in Financial Market” on 13 December 2022 in collaboration with Ramjas College, University of Delhi under MoU through online mode.
- [2] The main aim of organizing the webinar is to provide information about the financial market and its complexity.

Resource Person: Prof. Sunil Kumar, Ramjas College, University of Delhi

MS Team link:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_MDViMDE3N2ItNmI2YS00YjMxLTkwZTMtNzE1OTY4MjRiNjMy%40thread.v2/0?context=%7b%22Tid%22%3a%2238fd5a4b-955f-455a-9ad2-d2daa5a4e4d0%22%2c%22Oid%22%3a%222e48eed3-43d1-4cf6-9662-b63c26747f42%22%7d


Dr. Neeraj Kumari and Dr. Pawan Kumar
Event-In-Charge


Dr. Meena Bhandari
(Dean, SBAS)


Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)



K.R. MANGALAM UNIVERSITY
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**SCHOOL OF BASIC AND APPLIED SCIENCES
IN COLLABORATION WITH
RAMJAS COLLEGE, UNIVERSITY OF DELHI
ORGANIZES
A WEBINAR ON
COMPLEXITY AND DATA SCIENCE
APPROACH TO STUDY THE
FRAGILITY IN FINANCIAL MARKET**



**RESOURCE PERSON
PROF. SUNIL KUMAR
RAMJAS COLLEGE
UNIVERSITY OF DELHI**

**DATE: 13 DECEMBER 2022
TIME: 12:00PM ONWARDS
VENUE: ONLINE**



K.R. MANGALAM UNIVERSITY
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Webinar on

“Complexity and Data Science Approach to Study Fragility in Financial Market”

In collaboration with Ramjas College, University of Delhi (Under MoU)

Date: Tuesday, 13 December 2022

Venue: Online, MS Team

Event type: Webinar

Mode of activity: Online

Target Group: UG and PG students of SBAS

Resource person: Dr. Sunil Kumar, Department of Physics, Ramjas College, University of Delhi - 110007

Event Coordinators: Dr. Neeraj Kumari and Dr Pawan Kumar

Organized by: School of Basic and Applied Sciences

School of Basic and Applied Sciences organized a webinar on “Complexity and Data Science Approach to Study Fragility in Financial Market” in online mode in collaboration with Ramjas College, University of Delhi. The stock market is well known example of a complex system where interacting agents lead to joint evolution of stock returns and the collective market behavior exhibits emergent properties. However, it is challenging task to quantify complexity in stock market data. Therefore, the main objective of the webinar was to aware the participants about the financial market and its complexity.

The webinar was started by Dr Neeraj Kumari, event coordinator where she welcomed all the participants and gave a brief introduction about the webinar and resource person. Professor Sunil started his talk from complex system which are associated with nature, society and infrastructure. As society is divided into different components like

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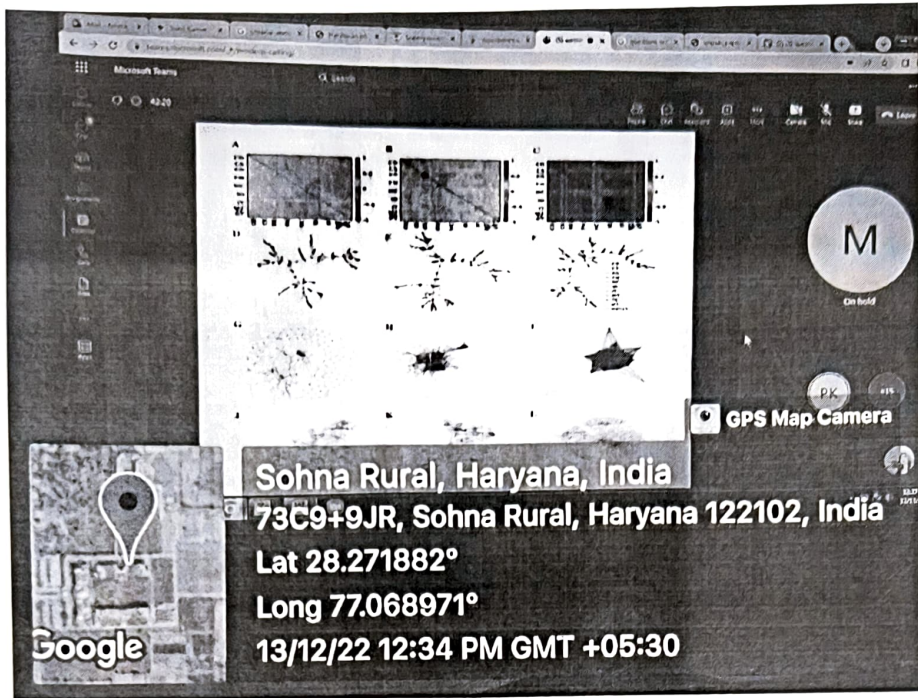


Photo 2: Expert trying to explain about the financial market

Report Prepared by	Dr Neeraj Kumari <i>Neeraj</i>
Report Verified by Event Coordinator	Dr Pawan Kumar <i>Pawan</i>
Report Seen by Dean	Dr Meena Bhandari <i>Meena</i> <i>Meena</i> 13.12.2022

Meena
Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

Complexity and data science approach to study fragility in financial market

Date: 13th December 2022

Venue: Online

School of Basic and Applied Sciences

Sr. No.	Student Name
1	Neeraj Kumari
2	Meena Bhandari
3	Rajni Gautam
4	Ruby Jindal
5	Dr. Mina Yadav
6	Jeetika
7	Abhay Berwal
8	Seema Raj
9	Pooja Vats
10	Ms. Ritika Khatrı
11	Amit Aggarwal
12	Chandan
13	Prof. Sunil Kumar (DU) (Guest)
14	Anjali
15	Pawan Kumar
16	MUSKAN
17	NEHA
18	MADHURI RAJPOOT
19	Meghna (Guest)

Verified by:

Signature:

Date:

Neeraj
13/12/22

Meena
13/12/22

Jindal

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)



K.R. MANGALAM UNIVERSITY
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Patron



Prof. (Dr.) Manoj Kumar Khanna
Principal, Ramjas College
University of Delhi-110007

Resource Person



Prof. (Dr.) Sunil Kumar
Ramjas College
University of Delhi-110007

**SCHOOL OF BASIC AND APPLIED SCIENCES
IN COLLABORATION WITH
RAMJAS COLLEGE UNIVERSITY OF DELHI , DELHI**

ORGANIZES
A SEMINAR ON

***"AIR QUALITY ASSESSMENT: AWARENESS OF TRENDS IN
TECHNOLOGY"***

Date: 04 October 2022

Venue: Online

Time: 12:00 Noon

Faculty Coordinator

Dr. Seema Raj and Dr. Rupali

University Gurugram Campus: ☎ 011-48884888 / 8800697010-15 📞 8800697012
🌐 www.krmangalam.edu.in ✉ welcome@krmangalam.edu.in

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)



K.R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

Report on

Air Quality Assessment: Awareness of trends in technology

(Under MoU with Ramjas College, DU)

(Seminar)

Date: Tuesday, 04th October 2022.

Venue: Room No. B014 (Hybrid mode), B Block, K.R. Mangalam University.

Event Type: Seminar

Mode of Activity: Online

Target Group: Students

Resource Person (if any): Prof. (Dr.) Sunil Kumar, Ramjas College, DU.

Coordinators: Dr Seema Raj and Dr Rupali

Organized by: School of Basic and Applied Sciences

Number of Participants (Attach Attendance as Annexure): 18

The Air Quality Impact Assessment (AQIA) is an important method for figuring out to how much extent of existing or potential sources of emissions at receptor sites contribute to ground level pollutant concentrations. Modeling and monitoring strategies for air quality are the main AQIA efforts. The purpose of this lecture is to provide exposure to the students related to air quality assessment and recent developments in this field. Prof. (Dr.) Sunil Kumar, the resource person started his lecture with note of global issues related to Air Pollution. After that he introduced the students regarding Air Quality Index and its scale. The Air Quality Monitoring Systems and Air Quality Prediction Models were explained by Prof. Sunil. Sir also talked on the difficulties and prospects in this area. He concluded his talk with highlights of improvement in the area of air pollution monitors, air pollution modelling, and the role of smartphones. Students now have knowledge of the precise methodology or concept underlying the Air Quality Index, which they previously only knew as it appeared in public reports. This seminar enables the students to execute any projects or assignment related to this field.

Registrar

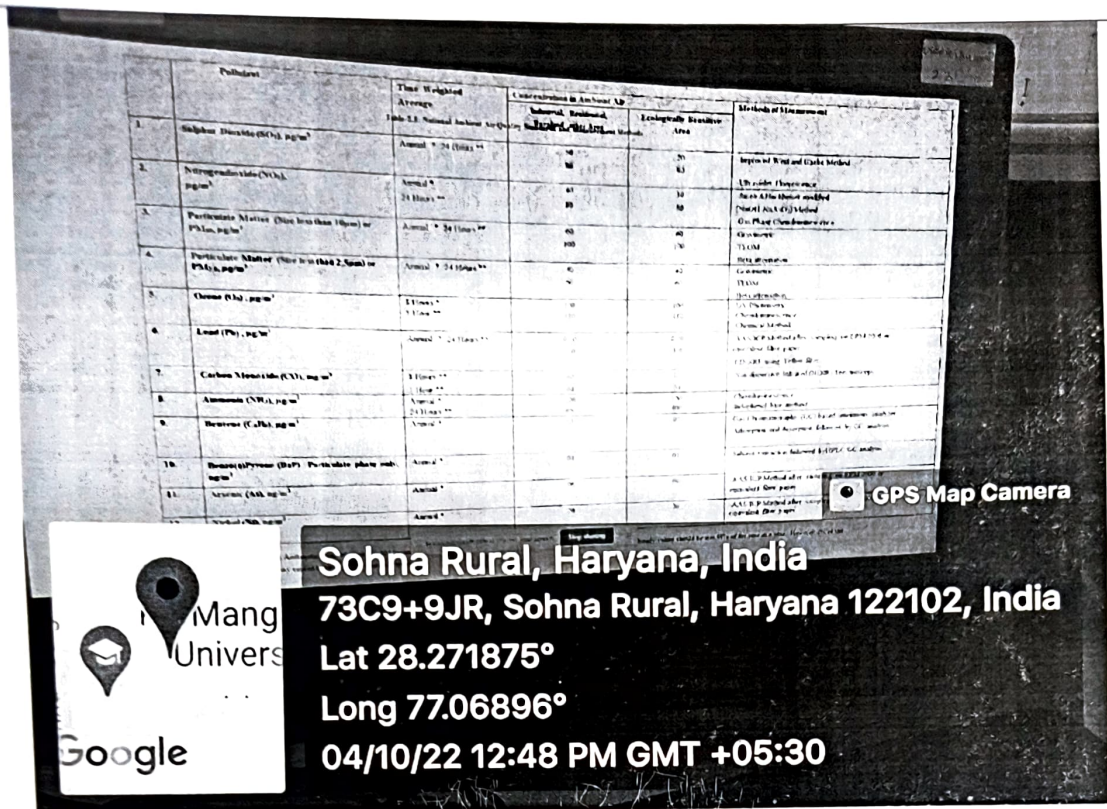
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

Photos must be geotagged (for social media geotagged for NAAC) with Date and Captions



Photo 1: Students attending Seminar on Air Quality Assessment in offline mode

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K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)



Sohna Rural, Haryana, India
73C9+9JR, Sohna Rural, Haryana 122102, India
Lat 28.271875°
Long 77.06896°
04/10/22 12:48 PM GMT +05:30

Photo 2: Representation of records during seminar

Jmf
 Registrar
 K.R. Mangalam University
 Sohna Road, Gurugram, (Haryana)



Photo 3: The resource person Prf. Sunil delivering his Seminar on Air Quality Assessment in online mode

Report prepared by	Dr Seema Raj
Report verified by Event Coordinator	Dr Seema Raj and Dr Rupali
Report Seen by Dean / Club Coordinator / Activity Coordinator/ IQAC Director / Registrar	<i>Meena</i>

Annexure I: Attendance

Annexure II: Feedback of the students


 Registrar
 K.R. Mangalam University
 Sohna Road, Gurugram, (Haryana)

