

Physics

Memorandum of Understanding

S.No	Description	Page No
1	Department of Physics, Annai Velankanni College, Tholayavattam, Kanyakumari Dt.	2-3
2	Department of Physics, Ch. S. D. St Therasa's College, Eluru, Andrapradesh	4-5
3	PG and Research Department of Physics, Islamiah College, Vaniyambadi.	6-11
4	Department of Physics, Voorhees College, Vellore	12-15



MEMORANDAM OF UNDERSTANDING (MOU)

BETWEEN

Department of Physics, Sacred Heart College, Tirupattur, Vellore, Tamilnadu

And

Department of Physics, Annai Velankanni College, Tholayavattam, Kanyakumari District.

This MOU is entered into the 12th day of February 2020 by and between Department of Physics, Sacred Heart College situated at Tirupattur, Vellore and Department of Physics, Annai Velankanni College situated at Tholayavattam, Kanyakumari District, Tamilnadu.

Objective of the MOU

- This Memorandum of Understanding sets for the terms and understanding between the Department of Physics, Sacred Heart College, Tirupattur, Tamilnadu (SHC) and Department of Physics, Annai Velankanni College, Tholayavattam, Kanyakumari District (AVC) to create student quest for knowledge in Physics, their capacity to think critically and their ability to put ideas across effectively to do quality teaching and research.

2. Technical Area of collaboration

- a) Joint research activities including the participation in projects.
- b) Provide academic interaction by delivering special lectures at SHC and AVC on topics of relevance to modern society.
- c) Exchange of scientific and technological information and joint publications of common results.
- d) Organize summer training programs for final year students of SHC at AVC and vice versa.
- e) Facilitate the hands on training for PG students and research Scholars.
- f) Exchange of students between the departments



Both the departments recognize each other's legal capacity to sign this agreement and

DECLARE THAT:

Sacred Heart College and Annai Velankanni College manifest their intention to reach an agreement to foster academic cooperation according to the following terms and conditions:

ARTICLE 1. Both the departments agree to promote joint teaching, research and other academic activities as aforesaid in the objectives and technical area of collaboration for mutual benefit.

ARTICLE 2. This agreement will be effective for a period of five years from the date of its signing and the renovation will be requested for the next period unless otherwise specified by the signing departments.

ARTICLE 3. This agreement does not imply any financial duty upon both the departments.

ARTICLE 4. Either party may terminate this agreement on written notification. Such notification must be given at least six months prior to the proposed date of termination. If the present agreement is terminated, both parties must guarantee to facilitate the completion of the projects and initiatives already in progress.

ARTICLE 5.

The intellectual property rights (IPR) that arise as a result of joint research and collaborative activity under the agreement will be worked out on a case basis and will be consistent with officially laid down IPR policies of the two institutes.

Dr. A. Albert Irudayaraj

Head of the Department

Dr. A. ALBERT IRUDAYARAJ
Associate Professor & Head
PG & Research Department of Physics
Sacred Heart College (Autonomous)
TIRUPATTUR - 635 601. Vlr.Dt.,

J. Johnson
Principal, 12/12/2020

Sacred Heart College
Tirupattur, Vellore, Tamilnadu

**Principal,
Sacred Heart College,
(Autonomous)
Tirupattur-635 601. Tirupattur District.**

M. Latha Beatrice
12/12/2020

Head of the Department

M. LATHA BEATRICE
Head, Department of Physics
Annai Velankanni College
Tholayavattam - 629 157
Kanyakumari Dist

J. Johnson
12/12/20

Principal,

Annai Velankanni College,
Tholayavattam, Kanyakumari

J. JOHNSON, M.Sc., M.Phil., Ph.D.

PRINCIPAL

**ANNAI VELANKANNI COLLEGE
THOLAYAVATTAM - 629 157
KANYAKUMARI DISTRICT**



**MEMORANDAM OF UNDERSTANDING (MOU)
BETWEEN**

Department of Physics, Sacred Heart College, Tirupattur, Vellore, Tamilnadu

And

Department of Physics, Ch.S.D.St. Theresa's, Eluru, Andhra Pradesh.

This MOU is entered into the 7th day of February 2020 by and between Department of Physics, Sacred Heart College, situated at Tirupattur, Vellore and Department of Physics, Ch.S.D.St. Theresa's College, situated at Eluru, Andhra Pradesh.

Objective of the MOU

- This Memorandum of Understanding (MOU) sets for the terms and understanding between the Department of Physics, Sacred Heart College, Tirupattur, Tamilnadu and Department of Physics, Ch.S.D.St. Theresa's College, Eluru, Andhra Pradesh to create student quest for knowledge in Physics, their capacity to think critically and their ability to put ideas across effectively to do quality teaching and research.

2. Technical Area of collaboration

- a) Joint research activities including the participation in projects.
- b) Provide academic interaction by delivering special lectures at SHC and Ch.S.D.St. Theresa's on topics of relevance to modern society.
- c) Exchange of scientific and technological information, joint publications of common results.
- d) Organize summer training programs for final year students of SHC at Ch.S.D.St. Theresa's and vice versa.
- e) Facilitate the hands on training for PG students and research Scholars.
- f) To exchange of students between the departments

Both the departments recognize each other's legal capacity to sign this agreement and

DECLARE THAT:

Sacred Heart College and Ch.S.D.St. Theresa's College manifest their intention to reach an agreement to foster academic cooperation according to the following terms and conditions:

ARTICLE 1. Both the departments agree to promote joint teaching, research, and other academic activities as aforesaid in the objectives and technical area of collaboration for mutual benefit.

ARTICLE 2. This agreement will be effective for a period of five years from the date of its signing and the renovation will be requested for the next period unless otherwise specified by the signing departments.

ARTICLE 3. This agreement does not imply any financial duty upon both the departments.

ARTICLE 4. Either party may terminate this agreement on written notification. Such notification must be given at least six months prior to the proposed date of termination. If the present agreement is terminated, both parties must guarantee to facilitate the completion of the projects and initiatives already in progress.

ARTICLE 5.

The intellectual property rights (IPR) that arise as a result of joint research and collaborative activity under the agreement will be worked out on a case basis and will be consistent with officially laid down IPR policies of the two institutes.

A. Albert

Head of the Department

r. A. ALBERT IRUDAYARA-J
Associate Professor & Head
G & Research Department of Physics
Sacred Heart College (Autonomous)
TIRUPATTUR - 635 601. Vr.Dt.,

A. Nirumala Jyothsna
Head of the Department

Dr. Mrs. A. Nirumala Jyothsna
Head Department of Physics & Electronics
St. Theresa's College for Women
ELURU, W.G.Dt., A.P.-534 004

[Signature]
Principal, 07/02/2020

Sacred Heart College
Tirupattur, Vellore, Tamilnadu

Principal
Sacred Heart College (Autonomous)
Tirupattur-635 601, Tirupattur - Dist

[Signature]
Principal,

Ch.S.D.St. Theresa's College
Eluru, Andhra Pradesh.

PRINCIPAL
CH.S.D.ST.THERESA'S COLLEGE FOR WOMEN
ELURU-534 003 WEST GODAVARI DT., A.P.

MoUs FOR THE ACADEMIC YEAR 2021-2022

Department of Physics

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Month and Year of signing MoU	Duration	List the actual activities under each MOU year wise	Number of students/teachers participated under MoUs
PG & Research Department of Physics	Islamiah College (Autonomous), Vaniyambadi, Tirupattur District	1/12/2021	5 years	Conferences, seminars and workshops, Sharing knowledge through invited talks, Student exchange programmes, sharing research facilities, joining research activities and publications	1. Mr. Amal George Physics PhD Scholar, Sacred Heart College (Permission letter attached)

File Description

- e-copies of the MoUs with institution/ industry/ corporate house (File attached)
- Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year
- Any additional information.



Signature of the HoD
Department of Physics

From

Dr. A. Dhayal Raj,
Assistant Professor,
Department of Physics,
Sacred Heart College,
Tirupattur 635 601.

To

The HoD,
Department of Physics,
Islamiah College,
Vaniyambadi - 635 751.

*Dr. GSM
to collect the required changes
and permit them
Shri
02/12/21*

Through:

The HoD of Physics, Sacred Heart College, Tirupattur.

Respected Sir,

Sub: Requesting permission to use electrospinning unit (ESPIN-NANO) and spin coater-reg.

As part of MOU signed between the Physics departments of Sacred Heart College, Tirupattur and Islamiah college, Vaniyambadi on 01-12-2021, I would like to send my full time Ph.D Scholar **Mr. Amal George** for a period of two weeks to deposit thin films through electrospinning and spin coating techniques. I request you to allow him to work in Electrospinning (ESPIN-NANO) unit and Spin coater in order to deposit thin films. Kindly grant him permission to utilize the facilities available at your campus and get benefitted from this MOU.

Thanking you.

Date:

Place: Tirupattur

Yours sincerely,

A. Dhayal Raj
Research Supervisor & Guide

(Dr. A. Dhayal Raj)

Dr. A. DHAYALRAJ, M.Sc., Ph.D.
Research Supervisor & Assistant Professor
PG & Research Department of Physics
Sacred Heart College (Autonomous)
Tirupattur-635 601, Tirupattur District.

Forwarded by

Albert
HoD of Physics

(Dr. A. Albert Irudayaraj)

Dr. A. ALBERT IRUDAYARAJ
Associate Professor & Head
PG & Research Department of Physics
Sacred Heart College (Autonomous)
Tirupattur-635 601, Tirupattur District.

Maria Antony Raj
Principal 02/12/21

(Dr. Maria Antony Raj)

Principal
Sacred Heart College (Autonomous)
Tirupattur-635 601, Tirupattur - Dist



3582
23/11/21

தமிழ்நாடு தமில்நாடு TAMIL NADU

The principal, Islamiah College [Autonomous]
Vaniyambadi

82AB 955946

G. RENUKA BAI
STAMP VENDOR
L.No: 3/VNB/2021

VANIYAMBADI, TPT. DL., TAMILNADU

Memorandum of understanding (MoU) on Educational and Research Co-operations

between

PG & RESEARCH DEPARTMENT OF PHYSICS,
SACRED HEART COLLEGE(AUTONOMOUS), TIRUPATTUR,
TIRUPATTUR DISTRICT

AND

PG & RESEARCH DEPARTMENT OF PHYSICS,
ISLAMIAH COLLEGE(AUTONOMOUS), VANIYAMBADI,
TIRUPATTUR DISTRICT

Recognizing the importance of academic and research co-operations between institutions for enhancing the learning sense and knowledge of students, for active engagement of Academic Members, Researchers and students in the domain of science and scientific research and to expand the academic relations a Memorandum of Understanding (MoU) is made between the PG & Research Department of Physics, Sacred Heart

College(Autonomous), Tirupattur, Tirupattur district and PG & Research Department of Physics, Islamiah College(Autonomous), Vaniyambadi, Tirupattur district on the First day of December Two Thousand and Twenty One (1-12-2021).

Objectives

- To enhance the academic relations and research activities between the Physics Departments in the afore said institutions.
- To share the knowledge and expertise of the academic members between the Physics Departments in the afore said institutions.

Areas of collaboration

- Organizing Conferences, Seminars, Workshops and Training programs.
- Sharing knowledge through invited talks and student and Staff Exchange Programs.
- Extending the research facilities available in the Departments.
- Joint Research activities and Research publications.

Terms of collaboration

PG & Research Department of Physics, Sacred Heart College(Autonomous), Tirupattur, Tirupattur District and PG & Research Department of Physics, Islamiah College(Autonomous), Vaniyambadi, Tirupattur District have mutually agreed to

- Support and collaborate in organizing Seminars, Symposia, Workshops, Training programs and Science exhibitions.
- Provide opportunities for Staff, Researchers and students to participate in the Conferences, Seminars, Symposia, Workshops and Training programs organized by the Departments.
- Facilitate the exchange of Experts, Academic members, Researchers and students between the Departments in the areas of mutual interest for conducting research and for providing hands-on experimental experience to the students.

- Extend necessary support for sharing knowledge and exchange of ideas through Guest lectures and Invited talks.
- Extend the Research facilities available at the Physics Department of Sacred Heart College, Tirupattur and the Physics Department of Islamiah college, Vaniyambadi to the staff, Researchers and students of both the Departments.
- Collaborate in Research activities and promote joint Research Publications.

Designated Representatives

The HoD of Physics, Sacred Heart College, Tirupattur and The HoD of Physics, Islamiah College, Vaniyambadi will administer the implementation of this MoU. All requests and initiatives for collaborative activities should be made through them.

Commencement, Validity, Modification and discontinuation

- The collaborative activities under this MoU commence upon signature.
- The MoU will remain valid for a period of Five years from the date of signing and is renewable on mutual consent for such further period as agreed upon.
- This MoU may be modified in writing by mutual consent of the participating departments.
- Either party may terminate this agreement on written notification. Such notification must be given at least three months prior to the proposed date of termination.

General considerations

- This MOU does not create any legally binding obligations.
- The conduct of collaborative activities contemplated under this MOU is subject to the availability of funding, personnel and availability of other resources.
- This agreement does not imply any financial commitment upon both the Departments. Each participant is responsible for the cost that occurs in participating in cooperative activities under this MOU. If there is any financial consideration, it will be dealt through proper process, if required.
- Any dispute arising out of this agreement will be settled by mutual negotiations between the respective Head of the Departments.

- The intellectual property rights (IPR) that arise as a result of joint research and collaborative activity under the agreement will be worked out on a case-to-case basis and will be consistent with officially laid down IPR policies of both the institutions.

In witness where each of the parties has caused this MOU to be executed in two originals, one has been retained by PG and Research Department of Physics, Sacred Heart College(Autonomous), Tirupattur, Tirupattur district and the other by PG and Research Department of Physics, Islamiah College(Autonomous), Vaniyambadi on this day 1/12/2021.

Albert
1/12/21
HoD of Physics

Sacred Heart College

Dr. A. ALBERT IRUDAYARAJ
Associate Professor & Head
PG & Research Department of Physics
Sacred Heart College (Autonomous)
Tirupattur-635 601, Tirupattur District.

Shakil
1/12/21
HoD of Physics

Islamiah College
Dr. G. SHAKIL MUHAMMED
Associate Professor in Physics
Islamiah College
Vaniyambadi-635 752.
Vellore District

Principa
Principal 01/12/21

Sacred Heart College
Principal
Sacred Heart College (Autonomous)
Tirupattur-635 601, Tirupattur Dist

Principa
Principal 01/12/21

Islamiah College
PRINCIPAL
ISLAMIAH COLLEGE (AUTONOMOUS)
VANIYAMBADI - 2.



தமிழ்நாடு தமில்நாடு TAMIL NADU

06.04.2023

16AC 355394

THE PRINCIPAL SACRED HEART COLLEGE
TIRUPATTUR

S. Sathyanarayanan
S. சத்தியநாராயணன், M.Com.B.Ed.
முத்திரைத்தாமி விந்துவனையானன்
உரிமம். எண்: 11/2021/KGI
வெல்லூர், வூச்சம்பள்ளி வட்டம், தமிழ்நாடு

Memorandum of understanding (MoU) on Educational and Research co-operations

between

PG & RESEARCH DEPARTMENT OF PHYSICS,
SACRED HEART COLLEGE(AUTONOMOUS), TIRUPATTUR,
TIRUPATTUR DISTRICT

AND

PG & RESEARCH DEPARTMENT OF PHYSICS,
VOORHEES COLLEGE, VELLORE,
VELLORE DISTRICT

Recognizing the importance of academic and research co-operations between institutions for enhancing the learning sense and knowledge of students, for active engagement of

academic members, researchers and students in the domain of science and scientific research, and to expand the academic relations a Memorandum of Understanding (MoU) is made between the PG & Research Department of Physics, Sacred Heart College(Autonomous), Tirupattur, Tirupattur district and Department of Physics, Voorhees College, Vellore, Vellore district on the Tenth day of April Two Thousand and Twenty Three (10-4-2023).

Objectives

- To enhance the academic relations and research activities between the Physics departments in the afore said institutions.
- To share the knowledge and expertise of the academic members between the Physics departments in the afore said institutions.

Areas of collaboration

- Organizing conferences, seminars, workshops and training programs
- Sharing knowledge through invited talks and student and staff exchange programs
- Extending the research facilities available in the departments
- Joint research activities and research publications

Terms of collaboration

PG & Research Department of Physics, Sacred Heart College(Autonomous), Tirupattur, Tirupattur District and Department of Physics, Voorhees College, Vellore, Vellore district have mutually agreed to

- Support and collaborate in organizing seminars, symposia, workshops, training programs and science exhibitions.
- Provide opportunities for staff, researchers and students to participate in the conferences, seminars, symposia, workshops and training programs organized by the departments.

- Facilitate the exchange of experts, academic members, researchers and students between the departments in the areas of mutual interest for conducting research and for providing hands-on experimental experience to the students.
- Extend necessary support for sharing knowledge and exchange of ideas through Guest lectures and invited talks.
- Extend the research facilities available at the Physics department of Sacred Heart College, Tirupattur and the Department of Physics, Voorhees College, Vellore to the staff, researchers and students of both the departments.
- Collaborate in research activities and promote joint research publications.

Designated Representatives

The HoD of Physics, Sacred Heart College, Tirupattur and The HoD of Physics, Voorhees College, Vellore will administer the implementation of this MoU. All requests and initiatives for collaborative activities should be made through them.

Commencement, Validity, Modification and discontinuation

- The collaborative activities under this MoU commence upon signature.
- The MoU will remain valid for a **period of Five years from the date of signing** and is renewable on mutual consent for such further period as agreed upon..
- This MoU may be modified in writing by mutual consent of the participating departments.
- Either party may terminate this agreement on written notification. Such notification must be given at least three months prior to the proposed date of termination.

General considerations

- This MOU does not create any legally binding obligations.
- The conduct of collaborative activities contemplated under this MOU is subject to the availability of funding, personnel and availability of other resources.
- This agreement does not imply any financial commitment upon both the departments. Each participant is responsible for the cost that occurs in participating in cooperative

activities under this MOU. If there is any financial consideration, it will be dealt through proper process, if required.

- Any dispute arising out of this agreement will be settled by mutual negotiations between the respective departments.
- The intellectual property rights (IPR) that arise as a result of joint research and collaborative activity under the agreement will be worked out on a case-to-case basis and will be consistent with officially laid down IPR policies of both the institutions.


In witness where each of the parties has caused this MOU to be executed in two originals, one has been retained by PG and Research Department of Physics, Sacred Heart College(Autonomous), Tirupattur, Tirupattur district and the other by Department of Physics, Voorhees College, Vellore, Vellore district on this day 10/4/2023.



HoD of Physics

Sacred Heart College

Dr. A. ALBERT IRUDAYARAJ
Associate Professor & Head,
PG & Research Department of Physics,
Sacred Heart College (Autonomous),
Tirupattur-635 601. Tirupattur District.



HoD of Physics

Voorhees College

Dr. D. JAIKUMAR
M.Sc., M.Phil., M.Ed., Ph.D
Assistant Professor and Head
Department of Physics
Voorhees College, Vellore-632001



Principal 10/04/23

Sacred Heart College

Principal
Sacred Heart College (Autonomous)
Tirupattur-635 601, Tirupattur - Dist



Principal 10/04/2023

Voorhees College

Dr.A. NELSONVIMALANATHAN,
M.Com., M.Phil., M.Ed., Ph.D.,
Principal
Voorhees College, Vellore - 632 001.

