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# MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN,



**QUEEN MARY'S COLLEGE (A), CHENNAI -4**  
**DEPARTMENT OF PHYSICS**

AND



**360 GROUP OF COMPANIES**

This Memorandum of Understanding (herein after called as the 'MoU') is entered into on this  
25TH day of FEBRUARY, 2025 (25/2/2025), by and between

Department of Physics, Queen Mary's College (A), Chennai, and represented herein by the Principal, Dr. B.Umamaheswari (hereinafter referred to as 'QMC', which term shall, unless it be repugnant to the context or meaning thereof, mean and include its executors, successors and permitted assigns) of the ONE PART; and

360 Group Of Companies, Tamilnadu, No 1, Karaikudi Road, Opposite to BHEL, Thirumayam, Pudukkottai - 622507 Represented by the Chairman Dr.N. Sureshkkumar (hereafter refers to "360 Group Of Companies", which term shall, unless it be repugnant to the context or meaning thereof, mean and include its executors, successors and permitted assigns) of the SECOND PART

First Party and Second Party are herein after jointly referred to as 'Parties' and individually as 'Party.'

WHEREAS:

A) QMC is a Government Arts and Science college founded in 1914, the first Women's College in South India found by the Govt. of Tamilnadu. The college is affiliated to the University of Madras and functions as an autonomous institution from its main campus facing the sprawling Marina in Chennai.

B) QMC has committed to providing students with comprehensive and innovative learning experiences with well-established infrastructures laboratories and sports facilities for students pursuing different streams of degrees, master's, and research programs. The Digital Library is well-equipped with books, journals, access to e-resources, ICT facilities and e-resources.

C) The 360 Group of Companies is a forward-thinking conglomerate committed to innovation, excellence, and indigenous development across diverse sectors. The group includes:

1. **Bharathy Aerospace:** A leader in aerospace R&D, specializing in indigenous drone components, flight controllers, and collaborative projects for advanced drone systems.
2. **Nova Aerospace:** A DGCA-approved **Remote Pilot Training Organization (RPTO)** and a pioneer in drone services, technical education, and cutting-edge aerospace solutions. Nova Aerospace is dedicated to delivering advanced UAV technologies, crop monitoring solutions, and space education programs.
3. **360 Flying Club:** A premier institution for pilot training and aviation enthusiasts, promoting skill development and innovation in aviation.
4. **360 Degree Academy:** A center of excellence for education and professional training, bridging the gap between academia and industry.

D) Both Parties, desire to engage in collaboration and co-operation between themselves to promote more effective use of each of their resources, and thereby provide enhanced opportunities for the students and research scholars and faculty members towards the benefit of the community.

E) Both the parties desire to strengthen the relationship between the institutions and the Parties are therefore desirous of recording the understanding and the terms of their relationship in this MoU.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES AND COVENANTS OUTLINED IN THE MOU, AND FOR OTHER GOOD AND VALUABLE



CONSIDERATION (THE RECEIPT AND SUFFICIENCY OF WHICH IS HEREBY ACKNOWLEDGED), THE PARTIES HEREBY AGREE AS FOLLOWS:

Co-operation shall be carried out through activities such as

**1. Industrial Visits and Exposure**

Arrange industrial visits to Bharathy Aerospace and Nova Aerospace facilities for QMC students to learn about drone manufacturing, assembly, and operations.

Conduct interactive sessions showcasing drone applications, including precision agriculture, logistics, and surveillance.

**2. Hands-On Training and Internships**

Offer internships to QMC students at Bharathy Aerospace and Nova Aerospace for practical exposure to drone design, assembly, and maintenance.

Include real-world field experience through projects like 'Naan Uzhavan', involving agricultural drone applications.

**3. Skill Development and Certification**

Provide certification programs through Nova Aerospace's RPTO, including:

Drone Pilot Training.

Drone Technician Certification.

Organize technical workshops at QMC through 360 Flying Club on topics such as:

Drone modelling and aerodynamics.

Ethical and regulatory aspects of drone use in India.

**4. Space and Aerospace Education (Led by 360 Flying Club)**

Conduct space-related activities as a registered Space Tutor of ISRO, including:

Telescope sessions and stargazing events to foster an interest in astronomy.

Experiences in a mobile planetarium, bringing space science to life for students and the local community.

Workshops on topics like satellite technology, the science of flying objects, and space exploration.

Organize AeroQuest Camps with activities like telescope handling, star gazing, and hands-on science workshops.

#### **5. Job Placements and Career Opportunities**

Facilitate job placements for trained QMC graduates in drone-related roles within 360 Group companies and associated industries.

Conduct mentorship programs and career guidance sessions to prepare students for careers in drones and aerospace technologies.

#### **6. Research and Innovation**

Collaborate on R&D projects focusing on indigenous drone technologies and innovative applications in agriculture, disaster management, and environmental monitoring.

#### **7. Community Engagement and Outreach**

Expand Nova Aerospace's 'Naan Uzhavan' initiative with QMC participation, using drones to assist small-scale farmers.

Partner with QMC to organize public outreach events on drone and space technologies to engage students, educators, and the local community.

Implementation and Monitoring

Joint Steering Committee (JSC):

A JSC comprising representatives from 360 Group and QMC will be formed to:

Oversee the implementation of this MoU.

Monitor progress and propose adjustments as needed.

#### Progress Review:

Activities will be reviewed biannually, and a detailed report will be prepared to evaluate outcomes and opportunities for expansion.

## **2. SCOPE OF COLLABORATION:**

The collaboration between QMC and the 360 Group of Companies focuses on advancing education, skill development, and innovation in aerospace and drone technologies. The partnership includes conducting workshops, seminars, and guest lectures on cutting-edge topics, integrating aerospace and drone modules into the curriculum, and offering DGCA-certified drone pilot training through Nova Aerospace (RPTO). Students will gain hands-on experience in drone assembly, flight operations, and maintenance, alongside opportunities for internships and research in autonomous systems and drone applications. The collaboration supports entrepreneurship by mentoring startups and providing incubation opportunities while promoting women's participation in aerospace and technology. Additionally, outreach programs on drones in agriculture and healthcare, industry events, and competitions will enhance practical learning. The initiative also facilitates career growth by offering industry-recognized certifications and recruitment opportunities, ensuring students are equipped with skills for the evolving aerospace and drone sectors.

## **3. CONFIDENTIALITY AND PRIVACY**

360 Group Of Companies and Queen Mary's College, Autonomous, Chennai recognize that they will come into possession of information which the other considers to be confidential, including Personal Information (Personal Information means information and opinions recorded in any form about an individual whose identity is apparent, or can reasonably be



ascertained from the information or opinion). 360 Group Of Companies and Queen Mary's College, Autonomous, Chennai covenants and agrees that it shall not, at any time, disclose to any third party, any confidential information of another party without first having obtained the prior written consent of the other party. The provisions of this Clause are intended to and shall be binding upon the parties upon the signing of this MoU, and shall survive till the termination or expiry of this MoU.

#### **4. RELATIONSHIP BETWEEN THE PARTIES**

It is expressly agreed that QMC and 360 Group of Companies are acting under this MoU as independent institutions/company and the relationship established under this MoU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MoU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

#### **5. INTELLECTUAL PROPERTY**

Intellectual Property means and includes all copyright, all rights in relation to inventions (including patent rights), plant varieties, registered and unregistered trademarks, registered and unregistered designs and all other rights resulting from intellectual activity in the scientific, industrial, literary or artistic fields.

Each party shall retain all rights to existing intellectual property belonging to it and contributed by it ("Background IP") at the commencement of each Research Project arising under this agreement.

If any IPR issue emerges as a result of joint research, then a specific IPR addendum will be jointly agreed upon.

#### **6. USE OF NAME AND LOGO**

No party shall use, nor permit any person or entity to use, the name (or logo or any variation thereof) of another party without first obtaining prior written consent from the other party.

The parties intend that this provision shall be upon them and shall survive till the termination or expiry of this MoU.

## **7. SETTLEMENT OF DISPUTE**

Any dispute arising from the implementation of the provisions of this MoU shall be settled amicably by consultations or negotiations.

## **8. TERMS OF IMPLEMENTATION, RENEWAL, REVISION, CANCELLATION AND NOTICES**

1. Details of the implementation of any particular exchange resulting from this MoU shall be negotiated between the 360 Group of Companies & QMC.
2. This MoU will be valid for a period of 5 years from the date of signing and may be extended upon mutual agreement.
3. Either party may terminate the MoU by providing 90 days' notice, with provisions for completing ongoing projects.
4. The communication addresses of both parties as follows:


| <b>Queen Mary's College</b>  | <b>360 Group Of Companies</b>   |
|--|---|
| Department of Physics, Kamarajar Salai,<br>Mylapore, Chennai 600004                        | No 1, Karaikudi Road, Opposite to<br>BHEL, Thirumayam, Pudukkottai,<br>Tamil Nadu 622507                        |
| 044 – 28444995; 28445910   | +91 98405 05100   |
| <a href="mailto:principal@queenmaryscollege.edu.in">principal@queenmaryscollege.edu.in</a> | <a href="mailto:9941010@gmail.com">9941010@gmail.com</a> , <a href="mailto:admin@360goc.in">admin@360goc.in</a> |
| <a href="https://queenmaryscollege.edu.in">https://queenmaryscollege.edu.in</a>            | <a href="https://360goc.in">https://360goc.in</a>   |

5. Any amendment or modification to the present text shall be submitted for review to the competent authorities, and shall not be binding unless reduced to writing and signed by 360 Group Of Companies & QMC.
6. Nothing in this MoU shall be construed as creating any legal relationships between the Parties. This MoU is a statement of intent to foster genuine and mutually beneficial collaboration.



7. This Agreement places no financial obligations or supplementary funding commitments on either Party.

In witness whereof, the institutions hereto have offered their signatures.

  
Dr. N. Sureshkumar

Chairman  
360 Group Of Companies



  
Dr. B. UMAMAHESWARI

Principal  
Queen Mary's College (Autonomous)

**PRINCIPAL**  
**Queen Mary's College (A)**  
**Chennai - 600 004.**

In presence of

Witness 1:   
25.2.2025

**Dr. HEMAMALINI RAJAGOPAL,**  
M.Sc., M.Phil., Ph.D.,  
Associate Professor & Head  
PG & Research Department of Physics  
Queen Mary's College (A), Chennai-600 004.

Date: 25-2-2025  
Place: Chennai-5

In presence of

Witness 1:

Date:  
Place: