



Hindusthan College of Engineering and Technology

An Autonomous Institution - Affiliated to Anna University, Chennai
Approved by AICTE and Govt. of Tamilnadu,
Accredited with 'A' grade by NAAC & NBA
Ph: 0422-4242424 | Mob: 99439 15566



07.05.2021

To:

The Principal,
Hindusthan College of Engineering and Technology,
Valley Campus, Pollachi highway,
Coimbatore.

Dear Sir,

Sub- Seeking Approval for establishing Center of Excellence in Drone Technology-reg.

We are happy to mention that our Institution has signed MoU with Planet-X Aerospace services Pvt. Ltd. recently with the aim of involving core industries in academic and research activities to enhance the knowledge of students and Faculty members in Aerospace field. In continuation to the above scope we would like to establish a center of excellence in Drone Design and development with a joint venture from Planet-X Aerospace at our campus. The proposed CoE aims to provide high quality training to our students, and to conduct research and development activities in emerging drone technology. We strongly believe the upcoming CoE can able to support creative and innovative ideas from students which may preferably leads to developing entrepreneurship skills.

With these vision and objective we request you to approve our proposal for establishing the center of excellence in drone design and development at our campus.

Thanking You,

Yours truly

(Mr.V.T.Gopinathan)

HOD-Aero

Approved. & Bara Krishna,



Hindusthan College Of Engineering & Technology
COIMBATORE - 641 032.

Letter of Intent

Ref: HICET/AERO/May 21

12.05.2021

To:

Wg.cdr.A.Sathiskumar,
Director & CEO,
Planet-X Aerospace Services Pvt.Ltd,
Madurai.

Dear Sir,

Sub- Establishing Center of Excellence-reg.

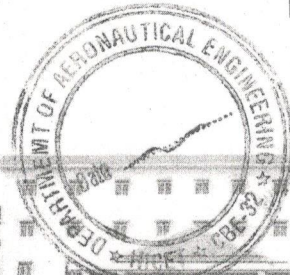
Greetings from Hindusthan college of Engineering and Technology!

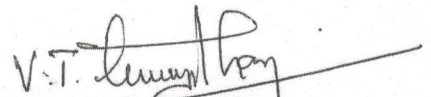
On the outset of signing MoU between our organizations we are very happy to mention that, together we could able to conduct various technical events including seminars, internships, Projects and placements which makes the agreement more lively and functional. Beyond the technical events you are extending your valuable inputs and suggestions for framing curriculum and syllabus for the program. At this juncture we would like to express our interest to establish a center of excellence in Drone Design and development with a joint venture from Planet-X Aerospace and Hindusthan College of Engineering and Technology at our campus with the scope of giving high quality training and exposing our students and to conduct research and development activities in emerging drone technology. We strongly believe the upcoming CoE can able to support creative and innovative Ideas from students which may preferably leads to developing entrepreneurship skills.

With these vision and objective we cordially invite you to join hands with the Department of Aeronautical Engineering of Hindusthan college of Engineering and Technology, Coimbatore, for establishing the center of excellence in drone design and development at our campus to disseminate the technology and develop the skills among the student community.

We will provide all the necessary support from our side to make this happen. Let us work together in nation building process and achieve more.

Best Wishes!




Mr.V.T.Gopinathan

Head of the Department

Department of Aeronautical Engg.
Hindusthan College of Engg. & Tech.
Coimbatore - 641 082

To:

14 May 21

Dr. V.T. Gopinathan
Professor & Head
Department of Aeronautical Engineering
HICET, Coimbatore.

Sub- Establishing Center of Excellence
Drone Design & Development

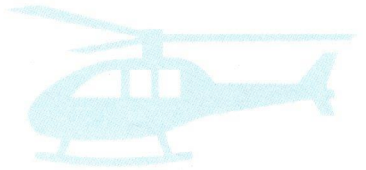
Dear Dr. V.T. Gopinathan,

1. Reference is made to your letter of Intent HICET/Aero/May21 dated 12 May 21.
2. We are very happy to hear from you. It is indeed our pleasure to involve ourselves and contribute to the student community in facilitating the establishment of the proposed CoE at your premises.
3. We hereby extend our willingness in participating in the proposal. At the outset, the proposal may be covered under the following sub-heads:
 - (a) Planning and Creation of the requisite infrastructure (Office Space, Furniture etc.)
 - (b) Detailed Plan of the equipment and machinery to be inducted
 - (c) Detailing finalisation of the Aim, Scope and operational objectives
 - (d) Finalisation of the budgetary proposals and execution.
4. It is proposed that a meeting of all stakeholders may be planned and the above finalized after due discussions.

Looking forward to fruitful relationship.

Warm regards,


(Wg Cdr A Satish Kumar)
Director & CEO
Mbl : 6380806450
Mail : md@planetxaerospace.com



19.07.2021

**AGREEMENT BETWEEN HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY AND
PLANET-X AEROSPACE SERVICES PRIVATE LIMITED REGARDING ESTABLISHMENT OF CENTRE
OF EXCELLENCE IN DRONE TECHNOLOGY**

Hindusthan College of Engineering and Technology, Coimbatore

And

Planet-X Aerospace Services Private Limited. Madurai

Having regard to the Memorandum of Understanding signed on 21.04.2021 between both parties on academic cooperation,

Considering that the Memorandum of Understanding, Clause C, Areas of collaboration, sub-clause 2.f, approved the establishment of the Centre of Excellence in Drone Technology (COEDT), under the auspices of Planet-X and authorized the Head of Organizations to sign the corresponding agreement.

Desirous of defining the terms and conditions governing the framework for cooperation with Planet-X that shall be granted to the Centre of Excellence in Drone Technology (COEDT) in this Agreement.

HAVE AGREED AS FOLLOWS

Article 1-Definitions

1. In this agreement, "HICET" refers to "Hindusthan College of Engineering and Technology, Coimbatore".
2. "PLANET-X" means, "Planet-X Aerospace services Private Limited. Madurai".
3. The "Centre" means, "Centre of Excellence in Drone Technology".



Principal
Hindusthan College of Engineering & Technology
Coimbatore - 641 032

Article 2-Establishment

HICET shall agree to take, in the course of the year 2021, any measures that may be required for the set up on its territory of the Centre of Excellence in Drone Technology under the auspices of PLANET-X, as provided for under this Agreement.

Article 3- Purpose of the Agreement

The purpose of this Agreement is to define the terms and conditions governing collaboration between HICET and PLANET-X concerned and also the rights and obligations stemming therefrom for the Parties.

Article 4- Legal status

- 4.1 The Centre shall be independent of PLANET-X
- 4.2 The HICET shall ensure that the Centre enjoys within its territory the functional autonomy necessary for the execution of its activities and the legal capacity:
 - To operate
 - To contract
 - To acquire and dispose of movable and immovable property.

Article 5- Constitutive Act

The constitutive act of the Centre must include provisions describing precisely:

- (a) the legal status granted to the Centre, within the institution's legal system/ rules and regulations, the legal capacity necessary to exercise its functions and to receive funds, obtain payments for services rendered, and acquire all means necessary for its functioning;



(b) A governing structure for the Centre allowing HICET & PLANET-X representation within its governing body.

Article 6- Objectives and functions

1. The objectives of the Centre shall be to enlighten and enhance the knowledge and skills of students in the field of Drone Technology by.

- (i) Conducting high quality training to the students in handling, assembling, dismantling and flying of drones.
- (ii) Introducing and implementing recent advancements in additive manufacturing like 3-D printing for developing drone components.
- (iii) Conducting Research and Development in the drone sector and disseminating the results to the industry and public by filing patents and publications.
- (iv) Transforming the results into products, solutions and business proposals.
- (v) Supporting innovative proposals and ideas from students in terms of functions and facilities.
- (vi) Creating network of nearby institutes and industries for capacity building and mentor support.
- (vii) Developing relations across states, between governments, industrial associations, institutions and experts for establishing collaborations of various research and commercial projects of organizations.
- (viii) Establishing a sound new institutional base for executing the drone related projects by strengthening the existing infrastructure.
- (ix) Generating revenue through consultancy projects like customized drone development, component manufacturing, surveillance, aerial survey and mapping etc. by strengthening the capabilities of the Centre.
- (x) Establishing an Entrepreneurship cell and thereby supporting the student and faculty startups.
- (xi) Conducting various technical events to exhibit the talents of students.

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2. The Centre shall pursue the above objectives and perform the above-mentioned functions in close cooperation with the HICET and PLANET-X in the area of drone technology for design and development of drones to meet the current industrial requirements.

Article 7- Governing Board

1. The Centre shall be guided and overseen by a Governing Board renewed every two years and include:

- representatives of the HICET concerned or his/her appointed representative;
- the Director of the Centre for Excellence duly appointed and agreed by both parties.
- a representative of the PLANET-X;
- representatives of Department of Aeronautical Engineering, HICET
- up to three representatives of non-governmental organizations/ industries operating in this field;

2. The Governing Board shall:

- approve the long-term and medium-term programmes of the Centre;
- approve the annual work plan of the Centre, including the staffing table;
- examine the annual reports submitted by the director of the Centre;
- examine the periodic independent audit reports of the financial statements of the Centre and monitor the provision of such accounting records necessary for the preparation of financial statements;
- adopt the rules and regulations and determine the financial, administrative and personnel management procedures for the Centre in accordance with the laws of the Institution;
- decide on the participation of regional institutions/ organizations in the work of the Centre.
- meet in ordinary session at regular intervals, at least once every calendar year;
- meet in extraordinary session if convened by its Chairperson, either on his/her own initiative or at the request of the Director of Centre or of a majority of the members;
- adopt its own rules of procedure for operation;



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3. In order to ensure the effective running of the Centre, the Executive Committee shall be established and composed of:

- (a) the Director of Centre or his/her appointed representative, who shall chair the Executive Committee;
- (b) a representative of the HICET;
- (c) a representative of the PLANET-X
- (c) up to three other representatives / staff members of the Centre duly appointed by the Director of the Centre ;
- (d) up to two representatives of the global non-governmental organizations/Industries operating in this field;

4. The Executive Committee will have the authority to:

- (a) Monitor the execution of the Centre's activities;
- (b) Examine the draft annual work plan and budget, including the staffing table, as well as the medium-term and long-term programmes of the Centre and submit recommendations thereon to the Governing Board;
- (c) Follow up the implementation of the Centre's activities in accordance with the annual work plan;
- (d) Ensure that the necessary activities and actions to implement the annual work plan and budget are carried out;
- (e) Propose to the Governing Board candidates for the post of Director of the Centre;
- (f) Adopt its own rules and procedures.

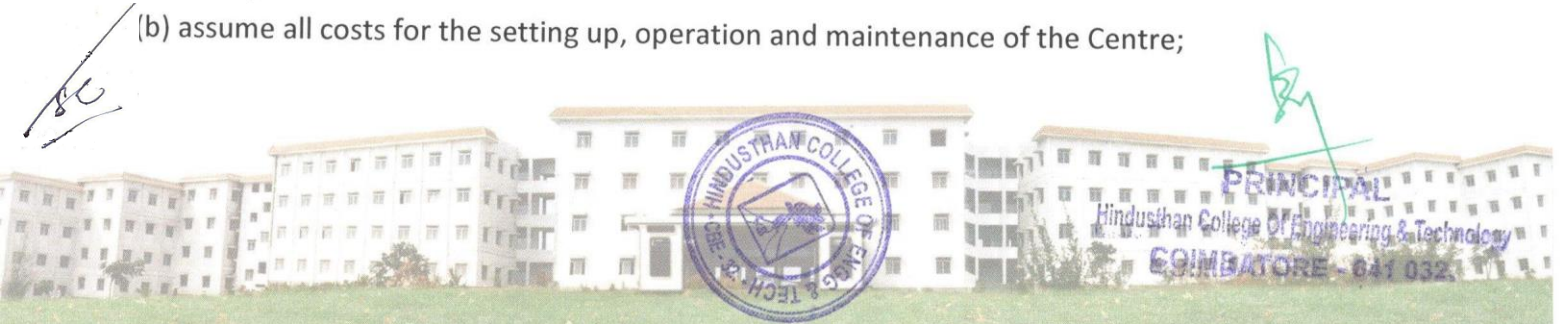
The Executive Committee shall meet at least twice a year.

Article 8- HICET's contribution

1. The HICET shall provide all the resources, either financial or in kind, needed for the administration and proper functioning of the Centre.

2. The HICET undertakes to:

- (a) make available to the Centre adequate and accessible physical facilities for the pursuit of its activities;
- (b) assume all costs for the setting up, operation and maintenance of the Centre;



(c) make available to the Centre the technical and administrative staff necessary for the performance of its functions, which shall comprise:

- organize the Governing Board, Executive Committee cover all associated financial cost;
- carry out activities of the Centre in accordance with its annual work plan and budget.

Article 9- PLANET-X's contribution

1. PLANET-X may provide assistance, as needed, in the form of technical assistance for the programme activities of the Centre, in accordance with the strategic goals and objectives of PLANET-X by:

- (a) Provide adequate technical consultancy services for the creation, maintenance and conduct all operations of the center
- (b) Assist in R&D activities in the center and all its projects
- (c) Provide all support in taking the developed products to the market

Article 10- Participation

1. The Centre shall encourage the participation of other companies/organizations/industries which, by their common interest in the objectives of the Centre, desire to cooperate with the Centre.
2. Sister concern companies of PLANET-X wishing to participate in the Centre's activities, as provided for under this Agreement, shall send to the Centre notification to this effect. The director shall inform the Parties to this Agreement of the receipt of such notifications.

Article 11- Utilization of Facilities

The Centre may be entitled to utilize the facilities or infrastructure available in HICET, present outside the Centre's premises with the prior approval from the head of the institution to execute the undertaken research works or consultancy projects.




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Article 12- Responsibility

As the Centre is legally separate from PLANET-X, the latter shall not be legally responsible for the acts or omissions of the Centre, and shall also not be subject to any legal process, and/or bear no liabilities of any kind, be they financial or otherwise, with the exception of the provisions expressly laid down in this Agreement.

Article 13- Evaluation

1. HICET may, at any time, carry out an evaluation of the activities of the Centre in order to ascertain:
 - (a) whether the Centre makes a significant contribution to objectives and expected outcomes.
 - (b) whether the activities effectively pursued by the Centre are in conformity with those set out in this Agreement.
2. HICET undertakes to submit to the PLANET-X, at the earliest opportunity, a report on any evaluation conducted.
3. Following the results of an evaluation, each of the Parties shall have the option of requesting a revision of its contents or of denouncing the Agreement, as envisaged in Articles 17 and 18.

Article 14 – Use of PLANET-X name and logo

1. The Centre may mention its affiliation with PLANET-X. It may therefore use after its title the mention "under the auspices of PLANET-X" or any part of Planet-X associated branding acceptable to Planet-X.
2. The Centre is authorized to use the PLANET-X logo or a version thereof on its letter headed paper and documents including electronic documents and web pages in accordance with the conditions established by the governing bodies of PLANET-X.

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Article 15- Entry into force

This Agreement shall enter into force, following its signature by the Parties, when they have informed each other in writing that all the formalities required to that effect by the rules and regulations of HICET and by PLANET-X's internal regulations have been completed. The date of receipt of the last notification shall be deemed to be the date of entry into force of this Agreement.

Article 16- Duration

This Agreement is concluded for a period of five years as from its entry into force. - The Agreement shall be renewed upon common agreement between Parties once the Executive Board made its comments based on the results of the renewal assessment provided by the Director of the Centre.

Article 17 – Denunciation

1. Each of the Parties shall be entitled to denounce this Agreement unilaterally.
2. The denunciation shall take effect within ninety (90) days following receipt of the notification sent by one of the contracting parties to the other.

Article 18 – Revision

This Agreement may be revised by written consent between the HICET and PLANET-X.

Article 19- Settlement of disputes

1. Any dispute between PLANET-X and the HICET concerning the interpretation or application of this Agreement, if not settled by negotiation or any other appropriate method agreed to by the Parties, shall be submitted for final decision to an arbitration tribunal composed of three (3)





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members: one of whom shall be appointed by the HICET, another by the PLANET-X, and a third, who shall preside over the tribunal, shall be chosen by the first two. If the two arbitrators cannot agree on the choice of a third, the appointment shall be made by the Honorable Court of Justice.

2. The Tribunal's decision shall be final.

IN WITNESS WHEREOF, the undersigned have signed this Agreement,

Done in two original copies in English language on Date: 19.07.2021

For PLANET-X AEROSPACE SERVICES PVT.LTD.



Witness

1. V. Satharale
(V. Satharale IAS)
2. T. Arunith
(T. Arunmohanathan)

For HINDUSTHAN COLLEGE OF ENGINEERING & TECHNOLOGY PRINCIPAL

Hindusthan College Of Engineering & Technology
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Witness

1. V.T. Kuppusamy
(V.T. COPINATHAN)
2. M. Ganesh
(M. GANESH)





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Constitution of Governing Board and Executive committee for the Center of Excellence in Drone Technology & information to the Faculty and students.


1. The Governing body as given in the Draft agreement for the establishment of Center of Excellence for Drone Design and Development is constituted and the details are summarized as follows. The meeting is held at 12.00 PM on 06.08.2021 in the Board Room, Principal office.

S.NO	NAME & DESIGNATION	CATEGORY
1	Dr.K.Karunakaran, Principal, HICET	Representative of HICET
2	Dr.J.Jaya, Dean, HICET	Member-HICET
3	Wg.Cdr. A.Satishkumar, CEO Planet-X	Member- Planet-X
4	Dr.P.N.Magudeswaran, Dean, HICET	Member-HICET
5	Mr.V.T.Gopinathan, HOD,AERO	Director of the center.
6	Mr.Suresh Narayanan, CEO,Skywalk Dronotics Pvt.Ltd.	Member-Industrialist

The Governing Board shall:

- Approve the long-term and medium-term programmes of the Centre;
- Approve the annual work plan of the Centre, including the staffing table;
- Examine the annual reports submitted by the director of the Centre;
- Examine the periodic independent audit reports of the financial statements of the Centre and monitor the provision of such accounting records necessary for the preparation of financial statements;
- Adopt the rules and regulations and determine the financial, administrative and personnel management procedures for the Centre in accordance with the laws of the Institution;
- Decide on the participation of regional institutions/ organizations in the work of the Centre.
- Meet in ordinary session at regular intervals, at least once every calendar year;
- Meet in extraordinary session if convened by its Chairperson, either on his/her own initiative or at the request of the Director of Centre or of a majority of the members;
- Adopt its own rules of procedure for operation;




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2. In order to ensure the effective running of the center following Executive committee is constituted and composed of following members.

S.NO	NAME & DESIGNATION	CATEGORY
1	Mr.V.T.Gopinathan, HOD, AERO, HICET.	Director of the center.
2	Mr.James Peter, Manager, Planet-X, Madurai.	Member-Planet-X
3	Mr.V.Saravanakumar, Assistant Professor, AERO	Member-HICET
4	Mr.D.Tamilvendan, Assistant Professor, AERO	Member, HICET
5	Mr.C.S.Vasupathi, III Year, AERO	Student Member, HICET
6	Mr.G.Ravikumar, Founder, Tamilnadu Academy of science and sports.	Member, HICET

The Executive Committee will have the authority to:

- Monitor the execution of the Centre's activities;
- Examine the draft annual work plan and budget, including the staffing table, as well as the medium-term and long-term programmes of the Centre and submit recommendations thereon to the Governing Board;
- Follow up the implementation of the Centre's activities in accordance with the annual work plan;
- Ensure that the necessary activities and actions to implement the annual work plan and budget are carried out;
- Propose to the Governing Board candidates for the post of Director of the Centre;
- Adopt its own rules and procedures.

The Executive Committee shall meet at least twice a year.



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