

**Memorandum of Understanding
Between**

**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, HYDERABAD (A)
AND
SKILLDZIRE TECHNOLOGIES**



This **Memorandum of Understanding** (“MOU” also called “Agreement”) is made as of the **22nd** of April, 2021 between **Chaitanya Bharathi Institute of Technology, Hyderabad** and **SkillDzire Technologies Pvt. Ltd** Company having office at 4th Floor, Bizness Square, Opposite Hitex Junction, Hitech City, Madhapur, Telangana-500084.

1. Introduction

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (CBIT (A)), established in the Year 1979, esteemed as the Premier Engineering Institute in the States of Telangana and Andhra Pradesh, was promoted with an Objective to facilitate the Best Engineering and Management Education to the Students and contribute towards meeting the need of Skilled and Technically conversant Engineers and Management Professionals, for the Country that embarked on an Economic Growth Plan. In its four decades of existence, all the Stake Holders of the Institute, relentlessly endeavored to position CBIT(A) as an Institution that is a Leader and an Innovator in the Ecosystem of Engineering Higher Education and Management. With the Students being the singular Objective, the Institute has established excellent Infrastructure such as State-of – the Art Laboratories, spacious Library with Printed and Digital Collection of Books and Journals, Sports, Hostel, and other Infrastructure for Research, Innovation, Incubation, Entrepreneurship, Extra and Co-Curricular Engagements with a total built-up Area of about 57,714 Sq. Mts., in the serene Ambience of 50 Acres to inspire, encourage and pursue

Academics. In its relentless strive for Academic excellence, CBIT(A) has scaled great heights both Nationally and Internationally in Industry and Global Universities.

SkillDzire is India's largest Real time learning platform where students get trained by industry experts along with certification & placement slots. We strongly believe that Job is the byproduct of our skill sets. If we have relevant industry skills automatically it will lead to multiple opportunities. That's exactly what we designed for engineering graduates.

2.0 Recitals

SkillDzire is interested in engaging with CBIT (A) in areas of mutual interest as framework outlined below but not necessarily restricted to those mentioned in 2.1 to 2.8.

CBIT(A) is having faculties with expertise in the area of Electrical, Mechanical, ECE, Bio-Tech, Chemical, CSE, IT and other emerging technologies areas, whose services can be availed by MSME Industries in Hyderabad to develop new products/process and software required by the customers and the society. Ministry of MSME, GOI, has approved MSME Incubation Centre at CBIT(A) to conduct various Programs. The Proposed Interaction will also help students of CBIT (A) to have industry interaction, internship and working on Live Projects and also for Placements.

In consideration of the above recitals and the mutual benefits to be derived hereafter, the parties agree to enter into an Agreement as follows:

1. SkillDzire proposes to arrange/conduct Internship, Workshops and FDP's for the interested students of CBIT. The duration of these programs will be discussed mutually and decided for the benefit of students and faculties.
2. Real time Projects, Industry visits, Core job oriented training along with certification will also be arranged by SkillDzire as per CBIT's request in specific areas.
3. It proposed to arrange workshops and Industry visit for second Year, Mini project and & Job Oriented training for 3rdYear, Major/Real-time project, internship and placement for 4th Year students.
4. Interested students will be advised to avail the opportunity as mentioned above. The course fee or Service charges, if any, will be paid by the students directly to SkillDzire. CBIT will have no responsibility towards any payment by the students.

5. There will be no restriction on the contents of the thesis and on publication of results of the thesis, subject to the condition that no Intellectual Property Rights can be secured for any part of the work which will be decided with mutual consent.
6. If the outcome of a project related to any development, process technology and design etc. which involves matter of secrecy and concern with security of the State and the Country, the same will not be allowed for publication/printing in any form such as Electronically/verbal, etc.
7. If the outcome of an Internship or the Thesis work or the combined project results into an intellectual property, for which rights can be secured, it will be decided on case-to-case basis depending upon the contribution from both the Institution. Similarly, sharing of expenditure in securing such rights and income accrued through royalty etc. will be decided on case- to-case basis after mutual consultation and agreement.
8. Presently SkillDzire is offering **job oriented programs** especially for Electrical CORE engineers in the area of Electrical, Embedded Systems, and Electric Mobility. EEE Dept. will inform their students for such programs. For other branches the MoU with other core areas will be considered in future.

ARTICLE – I: Scope of the MoU

This MoU details the modalities and general conditions regarding collaboration between **CBIT (A)** and **SkillDzire** for enhancing, within the country, the availability of highly qualified skilled manpower. The area of interaction will also include training and internship of CBIT (A) students to work on live projects and job oriented training and Placements etc. as covered in No. 2. The areas of cooperation can be further extended through mutual consent.

ARTICLE – II: Scope and Terms of Interactions

Both **CBIT (A)** and **SkillDzire** shall encourage interactions between the Institutes, Students & Staff and Engineers, of both the organizations through the following arrangements:

ARTICLE-IV: Effective Date and duration of the MoU.

- a) This MoU will be effective from the date of its approval by competent authorities at both ends.

- b) The duration of the MoU will be for a period of 3 years from the effective date which may be extended after mutual understanding. However, if any Important combined projects are under execution, both parties agree to complete the work even the MoU is not effective after two years.
- c) During its tenancy, the MoU may be extended or terminated by a prior notice of not less than one month by either party. However, termination of the MoU will not in any manner affect the interests of the students & faculty who have been admitted to pursue a Training/Project under the MoU.
- d) Any clause or article of the MoU may be modified or amended by mutual agreement of SkillDzire and CBIT (A).

ARTICLE - V: IPR

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MoU, will be decided by CBIT and SkillDzire based on Mutual agreement.

ARTICLE – VI: Confidentiality

During the tenure of the MoU both CBIT(A) and SkillDzire will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MoU for any purpose other than in accordance with this MoU.

Both CBIT(A) and SkillDzire shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this agreement or PROJECTS. Further both CBIT(A) and SkillDzire should put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.

CONFIDENTIAL INFORMATION shall mean any proprietary information, data or facts belonging to PARTIES collectively or severally, disclosed by the disclosing party under this agreement or any subsequent agreement, whether in writing, verbal or electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by the disclosing party, or specifically agreed

to be kept confidential by the parties, or declared or identified so by the disclosing party before such disclosure or during the discussions. However confidential information should not include any data or information which:

- (a) is or becomes publicly available through no fault of the receiving party,
- (b) is already in the rightful possession of the receiving party prior to its receipt of such data or information;
- (c) is independently developed by the receiving party without reference to the confidential information of the disclosing party
- (d) is rightfully obtained by the receiving party from a third party or is in the public domain
- (e) is disclosed with the written consent of the party whose information it is, or
- (f) is disclosed pursuant to court order or other legal compulsion, after providing prior notice to the disclosing party.

ARTICLE – VII: AMENDMENTS

Any amendment and/or addenda to the AGREEMENT should be in writing and signed by the PARTIES hereto and shall only after such execution be deemed to form part of the AGREEMENT and have the effect of modifying the AGREEMENT to the extent required by such amendment or addenda.

ARTICLE – VIII: Compensation, Force Measure, Approval and Dispute Settlement

a) Compensation

Neither Party shall be liable to the other for any incidental, indirect, special or consequential damages, including but not limited, to loss of profits, loss of use, loss of revenues or damages to business or reputation arising out of or in connection with this Agreement or any aspect thereof. Neither Party shall be liable to the other by reason of the termination or expiry of this Agreement for compensation or damages on account of the loss of prospective business or on account of expenditures in expectation thereof.

b) Force Majeure

Any delay or failure in performance by the party to this Agreement, shall not constitute default hereunder to give rise to any claims for damages against said party, if any, to the

extent caused by matters beyond the control of said party including but not limited to acts of Nature, Strikes, Lock outs or other concerted acts of workmen, fires, floods, explosions, blockages, embargoes, riots, war (declared or undeclared), rebellion, sabotage, extraordinary severe weather, pandemic situation, civil commotion and criminal acts of third persons. If the project under execution is delayed by such force majeure, then upon the happening of such delay, the parties within 30 days of the happening of such event, shall give notice in writing, requesting for extension of time indicating the period for which extension is desired. Efforts will be made by both parties to give fair and reasonable extension of time for the projects at their discretion but no monetary allowances shall be made unless it is mutually agreed.

c) Approval of the MoU

This Agreement may be signed by authorized officials, whether by original signature or by scanned signature due to the current situation (provided the pdf.documents accompanied with official email), signature/approval over official email, with the same effect as if the signature to any counterpart was an original signature upon the same instrument.

d) Dispute and Settlement

- i) In case of any dispute (s), steps shall be taken by the parties to the MOU to settle the same through amicable negotiations. In case, dispute is not settled in negotiations, it shall be referred to Conciliator appointed by the designated official as per the bye law of CBIT(A), Hyderabad to arrive at a settlement.

In case dispute is not settled in conciliation proceedings, the same shall be referred to Arbitration for resolution of the dispute under Arbitration and conciliation Act 1996. The arbitration proceeding shall be conducted as per provisions of the Arbitration and Conciliation Act, 1996. The dispute shall be referred for arbitration to sole arbitrator to be appointed by the designated official (s) as per the bye law of CBIT(A) – Hyderabad. The award of the sole arbitrator shall be final and binding on both the parties. The venue of the Arbitration shall be at Hyderabad in India. The Award to be given by the Arbitration shall be a speaking award.

ii) Applicable Laws and Jurisdiction of Courts

Indian laws both substantive and procedural, for the time being in force, including modifications thereto, shall govern the MOU including the arbitral proceedings. The competent Courts at Hyderabad in the State of Telangana - India shall have sole jurisdiction. All questions, disputes, differences arising under, out of or in connection with this MOU shall be to the exclusive jurisdiction of Hyderabad courts in the State of Telangana.

For

**SkillDZire
Hyderabad**



By

M. Srikant Muppalla
5/12/2022

Name: Srikant Muppalla

Founder

Witness:

For

**ChaitanyaBharathi Institute of Technology
Hyderabad**

Principal
Chaitanya Bharathi Institute of Technology
By (Autonomous)
Gandipet, Hyderabad-500 075.

Name

Principal

Witness:

HEAD
Dept. of EEE, CBIT (A)
Gandipet, Hyderabad - 75

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), HYDERABAD-75
Department of Electrical and Electronics Engineering

SkillDzire Engineer interacting with the students of EEE Dept. CBIT(A) while Demonstrating Electric Vehicle on 04/10/2021.



Head EEE Dept. with Mr. M. Srikanth, CEO Skilldzire.

Memorandum of Understanding

This **Memorandum of Understanding** (“MOU” also called “Agreement”) is made as of the 18th of June, 2020 between **Chaitanya Bharathi Institute of Technology, Hyderabad** (hereinafter called “CBIT” or “Institute”) and M/s **Cares Renewables Private Limited, Coimbatore** (a private limited company, incorporated under the companies act 1956 and having its Registered Office at Plot No: 12/303, 2nd Floor, VellakinarPirivu, Mettupalayam Road, G.N Mills Post, Coimbatore - 641029, (hereinafter called “CARES” or “Sponsor”))

I. INTRODUCTION :

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (CBIT), established in the Year 1979, esteemed as the Premier Engineering Institute in the States of Telangana and Andhra Pradesh, was promoted with an Objective to facilitate the Best Engineering and Management Education to the Students and contribute towards meeting the need of Skilled and Technically conversant Engineers and Management Professionals, for the Country that embarked on an Economic Growth Plan. In its four decades of existence, all the Stake Holders of the Institute, relentlessly endeavoured to position CBIT as an Institution that is a Leader and an Innovator in the Ecosystem of Engineering Higher Education and Management. With the Students being the singular Objective, the Institute has established excellent Infrastructure such as State-of - the Art Laboratories, spacious Library with Printed and Digital Collection of Books and Journals, Sports, Hostel, and other Infrastructure for Research, Innovation, Incubation, Entrepreneurship, Extra and Co-Curricular Engagements with a total built-up Area of about 57,714 Sq. Mts., in the serene Ambience of 50 Acres to inspire, encourage and pursue Academics. In its relentless strive for Academic excellence, CBIT has scaled great heights both Nationally and Internationally in Industry and Global Universities.

“CARES” is a Clean Technology Solutions Company with a focus on R&D, Consulting, Project Development, and Training. After years of research, CARES team has designed Save-Gen series of Solar PV solutions to outperform the conventional Solar PV systems in both power production and reliability. Save -Gen Series Advanced Solar Power Plant Solution are designed to outperform Conventional Solar Power Plant in both power production (up to 25% more lifetime generation) and offer reliability (~3 times more reliable). CARES has completed Consulting and Project Development in Solar for more than 100 MW of Projects and has done more than 3 MW of Save-Gen Series Solar Rooftop Installations through their Network of Service Partners across 6 States in India. CARES has trained more than 7000 Professionals in Solar PV and have set up Centres of

Excellence in multiple Institutions for Research in Solar PV. CARES strives towards a future, where energy consumption is optimized, and Power generation is from Renewable Sources with Zero Carbon Emission.

II. RECITALS :

'CARES' is interested in engaging with CBIT in areas of mutual interest as framework outlined below but not necessarily restricted to those mentioned in 1 to 15.

Setting up the Centre of Excellence, "CBIT-CARES, Centre for Solar Photovoltaic System Research" (the "CoE" for Solar PV) at the Institute with the focus area based on proposed Business Themes such as 'Solar Data Analytics, Benchmarking and Remote Performance Monitoring/Control'. The Proposed Themes will help Students of CBIT to gain Knowledge and Experience on new Solar Photovoltaic Technologies being introduced in the Market. CARES focus areas are:

1. Create a Repository of Data for Solar Analytics based on Internet of Things driven Data collection from approved Solar Power Plants of CARES across India
2. Analyze Data to determine and compare Key Performance Indicators of Solar Power Plants in different Regions
3. Benchmark performance of different Design configurations and Solar Technologies
4. Determine effectiveness and frequency of Module cleaning in different Regions
5. Multidimensional Data Analysis to create models to determine maintenance frequency of different types of Solar Power Plants
6. Rank mix of components and the Design practices which can deliver optimal performance over lifetime of Solar Power Plant.
7. Recommend retrofits or Design changes which can enhance performance of Solar Power Plant or reduce degradation rate of Solar Modules
8. Facilitating Internships and Live Projects for talented Students, thereby giving an opportunity for Students to gain experience of working in a real Engineering Environment to learn and build on their potential.
9. Encourage Entrepreneurship among Students through thought Leadership sessions and Cares Service Partner Program
10. Sponsor will be permitted to conduct Technical Sessions and Programs in chosen and agreed topics of interest to Institute's Students.
11. Frequent visits of 'Institute' and 'Sponsor' to exchange ideas and explore the possibilities in Engineering and Technology.
12. Introduction of Scholarships and other Reward Programs.

13. Opportunity for CARES branding and display collaterals like Posters, Product Cut- Outs and Organize Events etc.
14. Opportunities for fundamental and applied Research Projects.
15. The Sponsor, with necessary support of Institute, will maintain all the Equipment and products provided by CARES.

In consideration of the above Recitals and the mutual benefits to be derived hereafter, the Parties agree to enter into an Agreement as follows:

III. OBLIGATIONS REGARDING THE COE :

Institute will consider to provide appropriate Space to set up the CoE to display CARES Products, Product Cut-Outs and CARES Corporate Branding as identified in this MoU based on mutual discussion and agreement or as agreed between the Parties. Institute's any Faculty, nominated by the Principal, Advisor CBIT, Directors R and D, will own the responsibility of CoE.

1. It is agreed to and understood Parties that the Institute shall invest in Infrastructure like Renovation of CoE Room, Movable Wall-Partition, Power Supply etc. Sponsor will invest in solar Products, Product Applications Product Cut-Outs, Cloud Monitoring Portal for Data Collection, Research related Services and Sponsor's Branding Collaterals. It is mutually agreed between Parties that for the Phase-1 of the CoE, Sponsor will commit to an investment of INR 7,50,000. The Phase-1 investment includes:
 - a) Cloud Monitoring access to at least 30 Sites across India and maintenance of the Portal for duration of the Agreement.
 - b) Free access to training Portal of Cares to Students and Research Scholars from Institute up to a maximum of 15 Personnel in an year

It is also understood that based on the achievements of milestones agreed between Institute and Sponsor in Annexures to Agreement, Sponsor will invest further in the CoE. The Phase-2 Investment is budgeted and agreed at INR 7,50,000, and Phase-3 Investment is budgeted and agreed at INR 5,00,000 making total envisaged Investment for CoE INR 20,00,000. For the smooth functioning of the CoE, Sponsor will provide appropriate Consultancy and Guidance.

2. Institute shall ensure that joint initiatives at the Institute like the CoE, Application Research Setups etc. will not be available for the use or view by the Public or Sponsor Competitors.
3. CBIT and Sponsor will have the right to use CoE, which is mainly designed to benefit the Institute Students to perform Experiments and gain Knowledge in the area of Solar Energy. Both Parties mutually agree to keep the CoE open for CARES Customers and Industry experts to showcase CARES latest technologies; also, to conduct trainings for CARES Employees and CARES Channel Partners, as and when required (based on mutual discussion).
4. It is understood and agreed that Sponsor and Institute shall work out a Plan for facilitating Research in Sponsor's focus areas as specified in "Section II recitals: sub-clause 1 to 15". The plan for specific Research areas along with expected outcome will be further discussed and incorporated as Annexures to this MoU as Co-operation Agreement after this MoU is executed by both Parties.
5. Both Parties agree that they will jointly organize Training Sessions for Students and Industry Personnel in the Institute Premises. Institute and Sponsor intend to conduct multiple Training Programs starting with Sponsor's five day or two day Solar PV Practitioner Programs. In the long-run, based on Institute and Sponsor acquiring required Accreditations, Parties expect CoE to Partner with Government Departments for Skill Development Programs. The Revenue generated from such Programs, if any, shall be shared between Institute and Sponsor. For each such Program the percentage of Revenue sharing for each Party will be mutually agreed between Institute and Sponsor via Official written communication such as e-mail.

It is further understood and agreed that the Revenue Model for Training is expected to evolve over time as Institute Faculty participates in conducting Training Programs as well. For first five Programs Revenue sharing will be 50% for Institute and 50% for Sponsor. Sponsor will be responsible for material preparation, marketing and delivery of training. Initially Institute will also be responsible for Marketing (sending invitation to other Colleges in the Network), arranging the Halls and providing Lunch, and Refreshments for participants. Over a period of time, as Institute gains more experience and starts handling part of Training Sessions, the Revenue sharing is expected to be 60% to the Institute and 40% to the CARES.

IV. EVALUATION OF CO-OPERATION :

The Parties will conduct joint and periodic reviews to monitor and optimize their co-operation under this Agreement.

V. CONFIDENTIALITY OBLIGATION :

Each party shall keep confidentiality and not disclose to Third Parties or use for any purpose not contemplated under this Agreement, all Proprietary information received from the other Party, directly or indirectly, in connection with this Agreement. Breach of this obligation shall lead to the termination of this Agreement.

Any intellectual Property (IPR) created as a direct result of Research in the CoE will be owned jointly by the Parties responsible for such Research including Institute, Sponsor and responsible Research Personnel. Parties shall mutually discuss and agree in writing regarding the percentage of Ownership for such Intellectual Property in respective scope of work defined in Subsequent Agreement to this MoU to be signed between Parties, wherever applicable.

VI. PUBLICITY :

The Institute will be requested by Sponsor, (subjected to Sponsor's compliance), to publish regarding the CoE in the Institute's Publicity Material. Institute shall notify the Sponsor at least 14 days before Publishing. In case of any Research Publications arising out of CoE, "CBIT-CARES Centre for Solar Photovoltaics System Research" will be acknowledged in the same.

VII. DURATION OF AGREEMENT AND TERMINATION :

1. This Agreement shall commence on the date of last Signature.
2. Each Party reserves the right to terminate this Agreement, without liability to the other Party, if such other Party repudiates or commits a material breach to any of the terms of this Agreement, or fails to make progress so as to endanger timely and proper completion of its service or provision of deliverables required by it, and does not correct such repudiation failure or breach within thirty (30) days (or such shorter period of time if commercially reasonable under the circumstances) after receipt of written notice from the non-breaching party specifying such repudiation, failure or breach.

3. This MoU is effective for 5 years of time, from the date of Signing, unless terminated in accordance with one of the following alternatives:
 - a) Sponsor may terminate this Agreement at any time and for any reason by giving written Notice to Institute; such termination would be effective, Ninety (90) days after the date of such Notice.
 - b) Institute may terminate all or any part of this Agreement at any time and for any reason giving written Notice to Sponsor; such termination would be effective, Ninety (90) days after the date of such notice.
4. This MoU can be renewed for a Period of 3 to 5 years based on Mutual discussion and agreement by both Parties.
5. Sponsor will have the right to remove its Equipment from the Institute in case of Termination of the Agreement subjected to completion of the ongoing Academic year during that time. However, The Sponsor will have the option to leave the Equipment at the Institute for use by Students without any financial commitment.

VIII. ASSIGNMENT :

1. The Rights, Duties and Privileges of the Parties under this Agreement shall not be assigned to any Party without the prior written consent of the other Party, except as otherwise provided in this Agreement.
2. No right or interest in this Agreement shall be assigned by either Party without the written permission of the other Party and any purported assignment is void. No delegation of the Services or other obligations owed by either Party to the other, whether set forth in Section 3.0 or elsewhere in this Agreement, shall be made without the other Party's prior written consent.

IX. COMPENSATION :

There will be liability for indirect damages. Neither Party shall be liable to the other for any incidental, indirect, special or consequential damages, including but not limited, to loss of profits, loss of use, loss of revenues or damages to business or reputation arising out of or in connection with this Agreement or any aspect thereof. Neither Party shall be liable to the other by reason of the termination or expiry of this Agreement for compensation or damages on account of the loss of prospective business or on account of expenditures in expectation thereof.

X. FORCE MAJEURE :

Any delay or failure in performance by the party to this Agreement, shall not constitute default hereunder to give rise to any claims for damages against said Party, if any, to the extent caused by matters beyond the control of said Party including but not limited to acts of Nature, Strikes, Lock outs or other concerted acts of Workmen, Fires, Floods, Explosions, Blockages, Embargoes, Riots, War (declared or undeclared), Rebellion, Sabotage, extraordinary severe Weather, Pandemic situation, Civil commotion and criminal acts of third Persons. If the Work is delayed by such force Majeure, then upon the happening of such delay, Institute within 14 days of the happening of such event, shall give Notice in writing to Sponsor, requesting for extension of time indicating the Period for which extension is desired. Sponsor may give fair and reasonable extension of time for the Projects at their discretion but no Monetary allowances shall be made unless it is mutually agreed. The Institute may not make any claim for damages by reasons of any such delays unless both Parties agree to such Payment.

XI. ENTIRE AGREEMENT :

1. This MoU and its executed Annexes / Agreement constitute the entire MoU of the Parties with respect to its subject matter. This MoU may be amended with mutual discussion and agreement in writing.
2. Any change in the scope of work covered by this Agreement shall be discussed and agreed upon mutually in writing.

XII. DISPUTE AND SETTLEMENT :

1. In case of any dispute (s), steps shall be taken by the Parties to the MOU to settle the same through amicable negotiations. In case, dispute is not settled in negotiations, it shall be referred to Conciliator appointed by the designated Official as per the Bye-Laws of CBIT, Hyderabad to arrive at a settlement.

In case dispute is not settled in conciliation proceedings, the same shall be referred to Arbitration for resolution of the dispute under Arbitration and Conciliation Act 1996. The Arbitration proceeding shall be conducted as per provisions of the Arbitration and Conciliation Act, 1996. The dispute shall be referred for Arbitration

to sole Arbitrator to be appointed by the designated Official (s) as per the Bye-Laws of CBIT - Hyderabad. The award of the Sole Arbitrator shall be final and binding on both the Parties. The venue of the Arbitration shall be at Hyderabad in India. The Award to be given by the Arbitration shall be a speaking Award.

2. Applicable Laws and Jurisdiction of Courts

Indian Laws both substantive and procedural, for the time being in force, including modifications thereto, shall govern the MOU including the Arbitral Proceedings. The competent Courts at Hyderabad in the State of Telangana - India shall have Sole Jurisdiction. All Questions, Disputes, differences arising under, out of or in connection with this MOU shall be to the exclusive Jurisdiction of Hyderabad Courts in the State of Telangana.

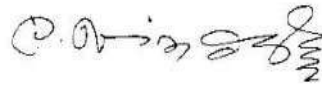
The Parties have executed the Agreement as of the Day, Month and year first written above.

For
Cares Renewables Pvt. Ltd.
Coimbatore

For
Chaitanya Bharathi Institute of
Technology (A), Hyderabad.

By

By

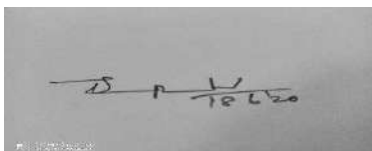


Name: Mr. Raguram A
Director - Operations

Name Dr. P. Ravinder Reddy
Principal

Witness:

Witness:



Dr G Suresh Babu
Professor - EEE
CBIT (A)
Hyderabad

Mr Siva Harsh S
Director Strategy
Cares Renewables Pvt. Ltd.
Coimbatore



Memorandum of Understanding

This **Memorandum of Understanding** ("MOU" also called "Agreement") is made as of the 2nd of May, 2022 between **Chaitanya Bharathi Institute of Technology**, Gandipet, Hyderabad, 500075, Telangana, India

and

Deccan Auto Ltd, Hyderabad having office at Sy. No. 270, Jinaram Mandal, Patancheru, Medak District, Kodakanchi, 502319, Telangana, India

Introduction.

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, established in the Year 1979, esteemed as the Premier Engineering Institute in the States of Telangana and Andhra Pradesh, was promoted by a Group of Visionaries from varied Professions of Engineering, Medical, Legal and Management, with an Objective to facilitate the Best Engineering and Management Education to the Students and contribute towards meeting the need of Skilled and Technically conversant Engineers and Management Professionals, for the Country that embarked on an Economic Growth Plan.

DECCAN AUTO LTD is first of its kind luxury bus manufacturing company in Telangana in the city of Hyderabad with a plant capable of producing 3000 buses a year. A state of the art international standard facility built viewing the necessities of a production unit equipped with high class technology and machineries. As an organization our aim is to provide the best of a product desired by a consumer keeping in view of their requirements." Its CSR Policy is committed to improve the societal needs by contributing through partnership with institutions, colleges and other recognized agencies.

Objective of MOU:

This MoU provides the understanding of the Parties here to, with respect to the specific and sole context of Partial **Sponsoring to a Project "Design and Manufacturing of Chassis and body of Praheti Racing Car"** a product to inculcate innovation culture among the students, which is going to be designed and developed by Mentors/Coordinators and students of **SAE CLUB** of Chaitanya Bharathi Institute of Technology, Hyderabad.

This student Formula racing car is going to participate in the National level Event **Formula Imperial 2022** which is to be organized by **ISIEINDIA** during 26th to 30th August 2022 at Galgotia University and Buddh International circuit, Greater Noida.



This shall imply all the plans, actions, events, exhibitions, communications, arrangements, etc., related solely to before, during and after the said event.

The formal terms of the agreement between Chaitanya Bharathi Institute of Technology Hyderabad and Deccan Auto Ltd, Hyderabad are listed below:

- The design and development of this product should explore the innovations and its implementation in the product which should lead to patents/publications. CBIT will follow the IPR policy of the Institution.
- Use/mention of any logo, advertisement, website/link and branding will be done as mutually decided by teams of both Parties in writing on an operational basis, based on guidelines if any as provided by that party. Any use mention or placement of company's Logo or company name (electronic or physical media) on any advertisement, event, notice, brochure, mailer or branding material will be done only after written approval from the other party, and as per that party's norms/guidelines.
- Both Parties will work together in good faith with the aim of making this **Sponsored Project** a grand success and each Party agrees that, except in the eventuality of gross negligence or flouting of norms by the other party or its representatives/staff, or any misuse of company's brand name, logo or name, neither will be liable to the other for any kind of eventuality or losses that are caused due to or associated with holding the **Product**.
- Rights regarding the publications, patents and royalty of the product under the scope of this MOU should be owned by CBIT.

DELIVERABLES BY CBIT:

- 1) Mentors/Coordinators and students of SAE Club of CBIT shall Design the chassis and body of Praheti racing car as per the competition guidelines.
- 2) The design should include Design, analysis and manufacturing of Chassis, Aerodynamic body work and seat. Manufacturing of bell cranks, hubs, tie rods and calipers .The outcome of this project is the product development and design
- 3) CBIT nominates Two faculty from the Department of Mechanical Engineering **Dr G Laxmaiah, Professor and Dr Ch Indira Priyadarshini, Assistant Professor** as Mentors/Coordinators to coordinate the SAE Club students to complete the Finished Product
- 4) This student Formula racing car should participate in the said event.
- 5) Deccan Auto Ltd is a Principal sponsor, hence its logo should be placed on the product as per the agreed size in an identifiable location and also on the T Shirts of Main event student participants
- 6) Deccan Auto Ltd and its logo etc. Should reflect in Publicity posters in the college and in the Social media postings.
- 7) SAE club, CBIT will also be in touch with its Sponsors for further improvement in the model in future.



A handwritten signature in blue ink, appearing to be "P. A. ...", is written in the bottom right corner of the page.

DELIVERABLES BY DECCAN AUTO LTD:

- 1) The service and Material support to this Sponsored Project "Design and Manufacturing of Chassis and body of Praheti Racing Car" is committed to an amount worth of Rs 60,000/-(Sixty thousand rupees) provided towards this product development.
- 2) This Sponsorship Services and material which includes Sheets, panels, workforce for welding, Equipment usage and consumables at the plant site of Deccan auto ltd.

Dispute and Settlement

In case of Dispute(s), steps shall be taken by the parties to the MoU to settle the same through amicable negotiations.



For Deccan Auto Ltd,

Name: Y. RAMA RAO
Designation: C-E.O



Witness 1



Name: Dr. P.V.R Ravindras Reddy
Designation: Professor, MED, CBIT & Head.



For Chaitanya Bharathi Institute of Technology

Name: Prof. P. Ravinder Reddy
Designation: Principal



Witness 2



Name: Dr. G. LAKSHMAIAH
Designation: Professor, MED, CBIT



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

Dear Mr. Rama Rao,

13-05-2022

Sub: Industrial Visit for B.E. Mechanical and Production 3rd Year Students of CBIT to Deccan Auto Limited, - Reg.

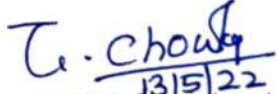
In the present scenario it is very important for the students to learn practical aspects of machines & equipments and also get familiarized with the functioning and manufacturing process involved in industries. As per the New Education Policy, the students should develop to handle projects of multidisciplinary nature. The students learning should also keep in pace with the problems faced and changes taken place in the industries. So it is necessary for the students to visit Technology and Engineering based industries where they will get opportunity to learn the practical aspects and contents beyond the syllabus.

As electric mobility is one of the emerging technology, our Mechanical and Production Students in CBIT are extremely interested to visit Deccan Auto Limited, to see the manufacturing processes and to understand various aspects related to it. Hence we request you to provide necessary permission for our students to visit Deccan Auto Limited at your convenient dates. Please communicate the dates and time suitable for our students (Mechanical and Production) to visit the Industry. The total number of students willing to visit is about 50 nos. The list of students with their Details is enclosed for information and issue of gate pass.

You may please communicate at what time our students should reach the Industry.

Thanking you,

Yours Sincerely,


13/5/22
(Dr U.K. Choudhury)
Prof. & Director(I&I), CBIT
Ex. ED, CTM , BHEL

To, The Managing Director
Deccan Auto Limited, Hyderabad.

Director - Incubation & Innovation
R&E Hub, CBIT(A)
Gandipet, Hyderabad-500075

Chaitanya Bharathi Institute of Technology (A)

📍 Chaitanya Bharathi (PO), Kokapet (V), Gandipet (M),
Ranga Reddy District, Hyderabad - 500 075, Telangana, India

☎ 040-24193276, 79, 80

✉ principal@cbit.ac.in 🌐 www.cbit.ac.in



1	Bikkineni Ajith Rao	160119736013	7093255038	Mech F1
2	Dheeraj Anumula	160119736017	8978689059	Mech F1
3	Jagadeesh	160119736023	8341195827	Mech F1
4	Abdul Ghani Hussain	160119736028	7093335740	Mech F1
5	Nikhil	160119736031	7416410531	Mech F1
6	Nikhil Kumar Nalla	160119736032	8074228697	Mech F1
7	Pvs Phanindra	160119736033	8374118855	Mech F1
8	Bhyreddi Pramod	160119736035	7674965668	Mech F1
9	Gyajangi Sai Manishwar	160119736040	8886444651	Mech F1
10	Manchala Sampath Kumar	160119736046	9346606683	Mech F1
11	Tarun	160119736052	9515711973	Mech F1
12	Tamada Venkatesh	160119736057	7993754330	Mech F1
13	Kasam Nikhil	160119736301	9542462680	Mech F1
14	Divij	160119736018	9182214985	Mech F1
15	G. Choodamani Chandana	160119738001	9390368912	Production
16	A. Divya	160119738002	7032189873	Production
17	K. Madhuri	160119738003	8522902179	Production
18	Saba Iram	160119738005	6301203090	Production
19	S. Srujana	160119738006	9515592496	Production
20	G. Arun	160119738007	9014454845	Production
21	D. Bhavani Rath Reddy	160119738008	6304848391	Production
22	Ch. Maharshi Reddy	160119738009	8341079749	Production
23	M. Mahesh	160119738010	7396858873	Production
24	P. Mahesh	160119738011	9390789519	Production
25	M. Nihal Linga Reddy	160119738013	8125559994	Production
26	Pradeep	160119738014	7386303028	Production
27	G. Ramakoteshwara Rao	160119738015	7032741013	Production
28	A. Sampath Reddy	160119738016	9177681585	Production
29	P. Shravanth Reddy	160119738018	9494243322	Production
30	P. Vamshi Krishna	160119738019	9912431469	Production
31	J. Vasu Dev	160119738021	8096512919	Production
32	B. Vishun Charan	160119738022	8019278257	Production
33	Mubeen Patel	160119738301	8686909395	Production
34	B. Divya	160119738303	9121887949	Production

35	Yashashvitha Swaraj Mankar	160119738305	9948056444	Production
36	Y.Bhakth Singh	160119738306	8247400560	Production
37	G. Vamshidhar Goud	160119738302	9398945051	Production
38	K. Venkata Ramana	160119738304	7286941853	Production
39	D. Ruchitha Reddy	160119738004	9390483133	Production
40	Shashank Varma	160119738017	7993902339	Production
41	Abdul Adanan	160118738009	9000084424	Production
42	Md. Amaanullah Hasheme	160119738012	8639308373	Production
43	E. Varun Reddy	160119738020	7731974575	Production
44	Dr. B.V.S Rao		9290545750	Asst. Professor
45	Sri. V Jaipal Reddy		9966336477	Asst. Professor
46	Dr. V.V.R. Seshagiri Rao		9441352367	Assoc. Professor
47	Dr. R.P. Chowdary		9177220635	Assoc. Professor



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**

Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbit.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

41
years

Hyderabad,
17-08-2020

From

Dr. U.K. Choudhury,
Prof. & Director (I&I), CBIT,
Ex ED, CTM, BHEL

To,

Mr. Rama Rao,
Managing Director,
M/s Deccan Auto, Hyderabad

Sub: Thanks giving

Dear Sir,

I would like to express my gratitude to you on behalf of Department of Electrical & Electronics Engineering, CBIT(A), for accepting our invitation to deliver an online lecture on **Design of an Electric Vehicle** on 06-08-2020, which was scheduled on fourth day of AICTE sponsored Short Term Training Program on "TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR" from 3rd to 8th August 2020.

The session was more informative and motivational for all the participants. It was a very useful lecture and hope the participants will utilize the knowledge acquired through this in their career to scale up their professional ladder and also benefit the society at large.

Thanking you,

U. Choudhury
17/8/2020

(Dr. U.K. Choudhury)

Visit of Students and Professor for their prototype manufacture at Deccan Auto for Electric Vehicle





తెలంగాణ తెలంగాణ TELANGANA

Sl. No. 641, Date: 31/01/2023, Rs.100/-
Sold to. M V Nageshwar Rao,
S/o. Late. M.Venkateshwar Rao, R/o. Hyd.
For Whom: CDAC.

P. SANDHYA RANI 721250

Licensed Stamp Vendor, Lic No. 16-07-004/2006,
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Ground Floor, Panchavati Mall, Narayanaguda,
Hyderabad-29, Phone No.7680000870

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter referred as MoU)
is made and executed on the _____ 2023

BY AND BETWEEN

- a) **Centre for Development of Advanced Computing (C-DAC)**, a scientific society under the Ministry of Electronics and Information Technology, Government of India registered under the Societies Registration Act 1860 and the Bombay Public Trust Act 1950 having its registered and Head office at Pune University Campus, Pune 411 007, and having one of its constituent units at Plot No. 6 & 7, Hardware Park, Sy No. 1/1, Keshavagiri Post Hyderabad – 501510, Telangana (India) (hereinafter called “RC” or “C-DAC”) which expression shall wherever the context so submits mean and include its successors and assignees of the **FIRST PART**;

AND

- b) **Chaitanya Bharathi Institute of Technology** registered under section 35 of 2001 act on 01-07-2009 having its registered address at CBIT, CBIT campus, Kokapet village, Rajendranagar (M) hereinafter referred “SPOKE” which



expression shall wherever the context so submits mean and include its successors and assignees of the **SECOND PART**.

RC and **SPOKE** are hereinafter individually referred to as "Party" and collectively referred to as "Parties" as the context may require.

WHEREAS Future Skills PRIME – Programme for Re-skilling/ Up-skilling of IT Manpower for Employability' (hereinafter referred to as the Programme) has been approved as a Central Sector Scheme under the "Champion Services Sector Scheme (CSSS)" of Department of Commerce (DoC), to be implemented jointly by SSC NASSCOM (Key Implementing Agency) and Programme Management Unit. In order to institutionalize blended-learning mechanisms, a hub and spoke model would be adopted through Lead Resource Centres and Co-Lead Resource Centres for wider reach and deeper penetration in the country. Further, Lead and Co-Lead centers will enter into MoU with the spokes and thereby ensure adequate demographic coverage of the relevant technology across length and breadth of India.

AND WHEREAS, the objectives of the Future Skills PRIME Programme are as follows:

The main objective of the Programme is "to create a re-skilling/ up-skilling ecosystem in emerging and futuristic technologies to facilitate continuous skill as well as knowledge enhancement of the IT professionals in line with their aspirations and aptitude in a self-paced digital skill environment."

The Programme would offer a robust platform to encourage any-time, anywhere, self-paced learning. The existing pan-India presence & skilling capabilities of training providers (SSC NASSCOM, NIELIT, C-DAC etc.) would be leveraged through blended-learning framework in hub-and-spoke model. The Programme would also seek to tap the untapped potential that emerging technologies bring along by causing a transition from traditional classroom learning methodologies, to an online and blended skilling framework. The Programme framework would take into account Job-roles/ NOS (National Occupational Standards) in emerging technologies, which would specify the standard of performance, knowledge and understanding, along with mechanisms for assessment and certification.

The Programme would provide re-skilling/ up-skilling opportunities in 10 Emerging Technologies – Virtual Reality, Internet of Things, Big Data Analytics, Artificial Intelligence, Robotic Process Automation, Additive Manufacturing/ 3D Printing, Cloud Computing, Social & Mobile, Cyber



Security and Blockchain. The framework would also have the flexibility to add new Job Roles/NOS in any new emerging technology.

Under this programme, C-DAC Hyderabad is identified as a Lead Resource Centre (**LRC**) for Cyber Security domain and Co-Lead Resource centre (**CRC**) for Blockchain Technology and Additive Manufacturing / 3D printing. Courses offered are specifically targeting the student and Professional community to give shape to their professional careers. Now, therefore, it is agreed between the Parties (**RC & SPOKE**) into writing in the form of this MoU containing the following terms and conditions set forth in the Articles 1 to 31 along with Annexure I for a clear understanding

1. DEFINITIONS

Unless otherwise stated, for the purpose of this MoU, the capitalized terms given hereunder shall have the following meanings:

- i. **3D:** Additive Manufacturing/ 3D Printing
- ii. **AI:** Artificial Intelligence
- iii. **Annexure:** Any annexure to this MoU as enumerated and cross-referred in these articles
- iv. **Articles:** Any Clause of this MoU or partial clause with separate marginal number as referred to anywhere in the workings of this MoU or its Annexures
- v. **AVR:** Augmented Reality/ Virtual Reality
- vi. **BC:** Blockchain
- vii. **BDA:** Big Data Analytics
- viii. **CC:** Cloud Computing
- ix. **C-DAC:** Centre for Development of Advanced Computing
- x. **CRC:** Co-Lead Resource centre
- xi. **CS:** Cyber Security
- xii. **CSSS/ Scheme:** Champion Services Sector Scheme
- xiii. **DoC:** Department of Commerce
- xiv. **DPR:** Detailed Project Report of FutureSkills PRIME (February, 2019)
- xv. **EC:** Expert Committee
- xvi. **GC:** Group Coordinator, MeitY
- xvii. **GFR:** General Financial Rules, 2017 (as amended from time to time)
- xviii. **GIA:** Grants-In-Aid
- xix. **HRD:** Human Resource Development Division of MeitY
- xx. **IoT:** Internet of Things



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- xxi. **IPR:** Shall mean all rights, benefits, title or interest in or to any Intellectual Property (whether registered or not and include all applications for the same).
- xxii. **IR:** Internal Revenue
- xxiii. **IT:** Information Technology
- xxiv. **ITeS:** Information Technology enabled Services
- xxv. **LRC:** Lead Resource Centre
- xxvi. **MeitY:** Ministry of Electronics and Information Technology, Government of India having its office at Electronics Niketan, 6, CGO Complex, Lodhi Road, New Delhi – 110003
- xxvii. **MoU:** Memorandum of Understanding
- xxviii. **MIS:** Management Information System
- xxix. **NASSCOM:** National Association of Software and Service Companies through IT-ITeS Sector Skill Council, NASSCOM (SSC NASSCOM)
- xxx. **NIELIT:** National Institute of Electronics & Information Technology
- xxxi. **NSDA:** National Skill Development Agency
- xxxii. **NSQF:** National Skills Qualifications Framework
- xxxiii. **NOS:** National Occupational Standards
- xxxiv. **Party/Parties:** means Lead Resource Centre or/and Co-Lead Resource Centres or/and Programme Management Unit (PMU)
- xxxv. **Participating Agencies:** means C-DAC and NIELIT Centres selected as Resource Centres (Leads/Co-Leads) under FutureSkills PRIME or/and NASSCOM and IT-ITeS SSC NASSCOM or/and Training Partners affiliated to C-DAC, NIELIT and IT-ITeS SSC NASSCOM selected under the Programme or/and stakeholders on-boarded by the Parties under FutureSkills PRIME
- xxxvi. **PMU:** Programme Management Unit
- xxxvii. **PRSG:** Project Review and Steering Group
- xxxviii. **RC:** Resource Centre
- xxxix. **RPA:** Robotic Process Automation
- xl. **SM:** Social & Mobile
- xli. **SSC/ SSC NASSCOM:** IT-ITeS Sector Skill Council NASSCOM
- xlii. **TP:** Training Partners
- xliii. **TSC:** Technology Sub-Committee

2. SCOPE OF MEMORANDUM OF UNDERSTANDING

The Articles 1 to 31 and Annexure I to this MoU form an integral part of MoU between the Parties. The terms herein referred in the MoU and Annexures shall be binding on the Parties. The MoU together with the Annexures indicate the responsibilities and obligations of the Parties to this




MoU including terms and conditions, financial arrangement, intellectual property rights (IPR), monitoring mechanism etc. of the Programme.

3. BROAD IMPLEMENTATION FRAMEWORK

The FutureSkills PRIME would be implemented by NASSCOM, C-DAC, NIELIT and other stakeholders under the aegis of MeitY. The Programme would essentially follow an “aggregator of aggregators” approach with the entire platform being hosted online. The Programme envisages to maximise reach and participation of the aspirants irrespective of their present profile/skill. It seeks to create value through a repository of free and curated content/ pathways on new and emerging technologies.

4. ROLES AND RESPONSIBILITIES

4.1. Roles of RC as

4.1.1 LRC

- i. LRC would designate a person as RC Head to promote interface across the Parties, review of various activities, implementation planning, provide the requisite logistics and co-ordination support in close liaison with other stakeholders.
- ii. Act as an overarching mechanism, to monitor, audit, support and ensure that all components of the Programme are being administered as per the norms and guidelines of the FutureSkills PRIME Programme. These components include:
 - Syllabus / Curriculum development
 - Blended Learning Course conduction
 - Standard Operating Procedures
 - Course Fees
 - Publicity & Promotion (Blended Learning)
- iii. To facilitate in uploading required information in Management Information System (MIS) developed by PMU to enable enrolments and certifications through Spokes.
- iv. To devise marketing and awareness programs, which are key components for the success of scheme.
- v. To develop e-Content for blended-learning programs.
- vi. To establish Lab/e-Lab facilities.
- vii. To create suitable processes/ mechanisms in respect of the following to achieve the envisaged project objectives/deliverables in the respective thematic areas:
 - Access to Labs/ e-Labs
 - Promotional and awareness related activities
 - Feedback mechanism
 - Collection of success stories, etc.



- To develop/ design courses and course content for Bridge Courses
- viii. To share the respective registered user data with the SPOKE on a monthly / timely / on request basis.
- ix. To liaise with academic institutions, NIELIT/C-DAC Centres, Training Partners of SSC NASSCOM, and Institutes under line ministries, State Government and associated departments for overall implementation of the program for achieving the target.
- x. To setup a Technology Sub-Committee (TSC) as an internal mechanism in the identified thematic area to evolve standard operating procedures connected with development and delivery of blended-learning programs, including identification of equipment for setting up of labs/ e-Labs.
- xi. To create reports/ journals/ blogs (with support of Spokes), and conduct seminars, workshops, discussion forums, etc., which would inter-alia include the following aspects
 - New skill-sets/ job roles as a result of emerging/ disruptive technologies
 - Significance of re-skilling/ up-skilling/ continuous skilling in the online/ blended mode as a potent tool to stay relevant
 - Challenges associated with flip over from conventional modes of training to online/ blended mode of training
 - New and emerging technologies that are shaping the future of IT; etc

4.1.2 Co-Lead RC

- i. **CRC** would designate a person as RC Head to promote interface across the Parties, review of various activities, implementation planning, provide the requisite logistics and co-ordination support in close liaison with other stakeholders.
- ii. Act as an overarching mechanism, to monitor, audit, support and ensure that all components of the Programme are being administered as per the norms and guidelines of the FutureSkills PRIME Programme.
- iii. To facilitate in uploading required information in Management Information System (MIS) developed by PMU to enable enrolments and certifications through Spokes.
- iv. To devise marketing and awareness programs, which are key components for the success of scheme.
- v. To create suitable processes/ mechanisms in respect of the following to achieve the envisaged project objectives/deliverables in the respective thematic areas:
 - promotional and awareness related activities
 - feedback mechanism
 - collection of success stories, etc.



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- vi. To share the respective registered user data with the SPOKE on a monthly / timely / on request basis.
- vii. To liaise with academic institutions, NIELIT/C-DAC Centres, Training Partners of SSC NASSCOM, and Institutes under line ministries, State Government and associated departments for overall implementation of the program for achieving the target.
- viii. To create reports/ journals/ blogs (with support of Spokes), and conduct seminars, workshops, discussion forums, etc., which would inter-alia include the following aspects
 - New skill-sets/ job roles as a result of emerging/ disruptive technologies
 - Significance of re-skilling/ up-skilling/ continuous skilling in the online/ blended mode as a potent tool to stay relevant
 - Challenges associated with flip over from conventional modes of training to online/ blended mode of training
 - New and emerging technologies that are shaping the future of IT; etc

4.2 SPOKE

- i. To establish a team and identify a single point of contact to facilitate communication, interactions, implementation, planning, and review of various activities across teams and corresponding parties involved.
- ii. To create an enabling mechanism for supporting **RC** in institutionalization of Blended Learning Mechanisms in the identified thematic area.
- iii. To pro-actively support **RC** for establishing/developing the followings to achieve the envisaged project objectives/deliverables in the identified thematic area:
 - Blended Learning Course Conduction in respective Technology
 - To arrange regular doubt clearing sessions for the enrolled students
 - Promotional and awareness activities
 - Collection of success stories
- iv. To ensure the regular updating of MIS within the **RC** operated tools.
- v. To provide status and plan of action w.r.t milestones for achieving the deliverables, access of e-Lab, promotional activities, candidates/beneficiary details, Financials/Course Fees, etc.
- vi. To submit the Monthly Report (Technical & Financial) and other necessary documents to **RC** in a timely manner.




5. SPOKE OUTCOMES/ DELIVERABLES

The Blended Learning courses in the emerging technologies envisage that the following categories of courses would be conducted by SPOKE.

SI No	Technology	Course Name	Target
1	Cyber Security	Pragmatic Approach to Cyber Security	200*
2	Blockchain	Introduction to Blockchain	100*
3	3D Printing	3D Printing and CAD Modeling	100*

- If any updations by lead centre in terms of course fee/revenue sharing, spoke share will vary accordingly
- Any new courses launched by the **RC** are eligible to be conducted by SPOKE upon mutual consent from both the parties

*Minimum target to be achieved till Dec 2023.

6. MONITORING & EVALUATION OF PROGRAMME

- 6.1** Bi-Monthly Review: The FutureSkills PRIME envisages to bring about a paradigm shift in the way re-skilling/ up-skilling is imparted in the country. The Programme has multiple components offering varied skilling options across the board. The bimonthly review would entail a detailed technical and financial review by **RC**.
- 6.2** Impact Assessment Study: An impact assessment would also be carried out at the end of the tenure to gauge the actual reach and outcomes of the Programme.

7. TARGET AUDIENCE

- Students of 3rd year and 4th year students of B.Tech, M.Tech and MCA*
- Fresh Recruits – Internship/apprenticeship
- IT employees in IT firms and non-IT firms
- Non-IT employees who use new and emerging technologies
- Re-skill/Up-skill employees whose IT skill is obsolete
- Central Govt. & State Govt. employees
- PSUs and Autonomous (Govt. Employees)

* They will be applicable for the incentive program only if they have internship / apprenticeship certificate.



8. DETAILS OF INCENTIVES / FINANCIAL ASSISTANCE TO BRIDGE COURSE PARTICIPANTS

Incentive Model: The Incentive model would take into account that in order to motivate aspirants, a virtual Skills Wallet (provided by NASSCOM & PMU Admin) would be assigned to each candidate on registration. When a candidate registers for a bridge course, his/her Skills Wallet would be provided with an incentive amount of Rs. 3,000, which would get encashable once s/he successfully gets assessed and certified. The maximum ceiling of incentive per course would be limited to a maximum of 50% of the course fee paid by the candidate. In case of a student, he/she should have internship / apprenticeship certificate / offer letter in hand when applying for incentive.

A total of 5000 participants are eligible for the incentives under each emerging technology. All the participants trained by LRC, CRC and all the SPOKE are eligible for incentives. Participants are eligible to get incentives only if they clear the assessment conducted by SSC NASSCOM as per the GoI guidelines

9. FINANCIAL DETAILS

The details of Course to be conducted, Course Fee and its distribution across parties are as follows:

Reimbursement

- Payments would be received by **RC** from SECTOR SKILLS COUNCIL NASSCOM (SSC NASSCOM) / Lead Resource Centre post 150 (One hundred fifty) days from the date on which the relevant Bridge Course is sold to the Subscriber and shall be subject to deductions on account of applicable taxes, gateway fee etc.
- **RC**, upon receipt of the Bridge Course Fee, request SPOKE, in writing, to raise an GST invoice for the value as indicated in Annexure-II. **RC** shall, upon receipt of an invoice form SPOKE, pay the same within 30 (thirty) days.
- If payment to SPOKE, is not made by **RC**, in accordance with the terms hereof, the Parties shall, in good faith, take necessary measures to determine the causes of delay and resolutions thereof.
- For any change in course fee, **RC**, shall intimate in writing to the SPOKE and an amendment for the same will be made between the Parties considering all applicable clauses of this MoU.



Revenue Sharing

- For the mentioned Bridge Courses, revenue would be shared between RC and the SPOKE in the ratio of 40:60 respectively

Activity	Cost for Pragmatic Approach to Cyber Security	Cost for Introduction to Blockchain**	Cost for 3D Printing and CAD Modeling
Base price of the course (a)	₹1017/-	₹1000 /-	₹3390/-
GST(18%) (b)	₹183/-	₹180 /-	₹610.20/-
Total (c) = (a) +(b)	₹1200/-	₹1180 /-	₹4000.20/-
FSP platform payment gateway charges @2.6% (d)	₹37/-	₹36 /-	₹122.72/-
A Terms and Conditions retained by NASSCOM till the receipt of tax refunds (e)	₹22/-	₹22 /-	₹74/-
Cost to LRC inclusive of GST (f) = (c) -(d) -(e)	₹1141/-	₹1122 /-	₹3803.28/-
Actual cost to LRC (g)	₹967/- (after removing GST)	₹951 /-	₹3193/- (after removing GST)
RC Share	₹387/-	₹380/- (40% of (g))	₹1277.23/- (40% of (g))
SPOKE share	₹580/- (60% of (g))	₹571/-	₹766.34/-

** For the enrolments post 31st Mar 2023, the revenue sharing details will be communicated separately.

NB: Cost mentioned in column (e) - the TDS retained by NASSCOM till the refund is received shall be transferred and retained by the Lead Centre.

- Any changes in the course fee / discount will be communicated to the SPOKE.

10. Copyright and Intellectual Property

Means all proprietary inventions, processes, product designs, know-how or any other intellectual property of a Party or any other third party which is associated with such Party in development of any products and any other materials/application in any media and information, whether registered by such Party or not and here after acquired or developed by such Party. It also includes any service mark, commercial name, trademark, or trade name, whether registered by a Party or not or hereafter acquired or developed, that is associated with each institution.

All pre-existing IP shall be owned by the Party which owns it. The present course materials which are either in print, audio/video or electronic form belonging to and/or developed exclusively by the respective parties shall continue to remain the exclusive property of the respective parties.

Any Intellectual Property in respect of any training materials which may be developed in future by respective organizations for the use of students who



are enrolled for these programmes shall be exclusively owned by the respective parties who created / developed it.

Intellectual property in the form of patents, copyrights etc. arising out of work carried out jointly under these collaborative programmes will be decided in writing in advance before commencement of work.

Overall, all parties shall strive to protect the interest of other in the context of IPRs and agrees to do nothing which is void of such laws and regulation of the land with respect to IPRs.

11. Use of Name

Either party may use other's name for the purpose of identifying above mentioned programmes and shall not use, or be entitled to use, parties' name, trademarks, logos, trade name or any other intellectual property in any other way without the prior written consent or as may be authorized under a separate written consent. Upon termination by efflux of time, or prior determination thereof as provided for herein, of this MoU either party shall immediately stop using name, trademarks, trade name and logos, etc.

12. Validity

This MoU will come into effect on the date of signature of both the parties and will remain in force for 1 years until either of the two parties serves a written notice to the other at their addresses as indicated vide MoU by a registered post of its intention to terminate the MoU in which case it will terminate one month after the receipt of such a notification. The agreement can be renewed on expiry on mutually agreed terms and conditions.

Notwithstanding anything in this MoU, neither Party shall be liable to the other for any failure to achieve any of the objectives and undertakings herein.

However, commitments made by either party in respect of personnel hired or equipment ordered, under this MoU would be honoured by respective parties.

13. Termination

This MoU may be terminated by either of the parties by giving one month prior written notice to the other side sent through RPAD/Speed Post AD. In such an event, both parties shall complete their respective responsibilities



outlined under this MoU until the completion of running session / or academic programmes to which students may have been enrolled prior and up to the date of the notice of termination.

14. Amendment/Renewal or Extension

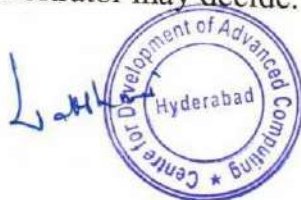
No amendment or modification / renewal or extension of this MoU shall be valid unless it is made in writing jointly by SPOKE and RC. The modification / change / renewal or extension shall be effective from the date on which they are made / executed unless otherwise agreed to in writing.

15. Matters not provided in the MoU

If any doubt arises as to the interpretation of the provisions of this MoU or as to matters not provided therein; the parties to this MoU may consult each other for each such instance and resolve those doubts in good faith and spirit.

16. Dispute Resolution and Jurisdiction

In case any dispute/claim arises between the Parties with respect to the MoU, including its validity, interpretation, implementation or alleged material breach of any of its provisions or regarding a question, including the questions as to whether the termination of this MoU by one Party hereto has been legitimate, both Parties hereto shall endeavor to settle such dispute amicably. If the Parties fail to bring about an amicable settlement within a period of 30 (thirty) days, the dispute shall be referred to the sole arbitrator appointed by both parties. If both parties do not agree on the name of a sole arbitrator, they will appoint one arbitrator each and these two arbitrators will appoint a third arbitrator and the arbitration proceedings will be conducted by the panel of these three Arbitrators. Arbitration proceedings shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and Rules made there under, or any legislative amendment or modification made thereto. The seat and venue of the arbitration shall be Hyderabad. The award given by the arbitrator shall be final and binding on the Parties. The language of arbitration shall be English. The common cost of the arbitration proceedings shall initially be borne equally by the Parties and finally by the Party against whom the award is passed. Any other costs or expenses incurred by a Party in relation to the arbitration proceedings shall ultimately be borne by the Party as the arbitrator may decide.



17. Force Majeure

The parties to this MoU shall not be liable to each other for failure or delay in the performance of any of their obligations under this MoU for the time and to the extent such failure or delay is caused by riots, civil commotion, wars, hostilities between nations, government loss, court orders in rem, orders regulations, embargos, action by the government(s) or any agency thereof act of God, storms, fires, accidents, strikes, sabotages, pandemic, epidemic, explosions; or other similar or different categories beyond the reasonable control of the respective parties to this MoU.

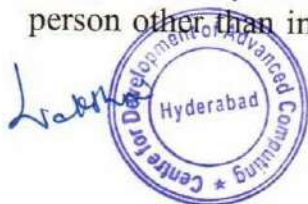
In the event that either party is wholly or in part prevented from or hindered in carrying out or observing any of the terms or conditions of this MoU for any cause set forth herein above, such party shall give written notice to the other party by the most expeditious means as soon as possible after the occurrence of the cause relied on, giving full particulars of the reason for such prevention or hindrances, and the parties shall in good faith consult each other and take necessary measures for the resolution of the affairs so prevented or hindered.

18. Severability

If any provision of this MoU becomes or is declared illegal, invalid, or unenforceable, the provisions will be divisible from this MoU and deemed to be deleted from this MoU and the rest of the MoU shall be valid and binding. However, if the deletion substantially alters the basis of this MoU, the parties will negotiate in good faith to amend the provisions of this MoU to give effect to the original intent of the parties.

19. Confidentiality

- i. It is envisaged that the Parties or any members of their respective Groups or any of their respective Agents may from time to time disclose Confidential Information relating to its current or proposed business to each other. In consideration of such Confidential Information being made available to both parties, the first party and the second party agree that any disclosure or dealings between the Parties will be subject to the terms and conditions of this MoU. Both Parties will treat and keep all Confidential Information confidential and will not, without the Disclosing Party's prior written consent, directly or indirectly communicate or disclose (whether in writing or orally or in any other manner) Confidential Information to any other person other than in accordance with the terms of this MoU (for the



- avoidance of doubt, this will also prohibit discussing the same with any Disclosing Party Group employees other than those involved in connection with the Project).
- ii. Intellectual Property and Trademarks - Both the parties will continue with their respective trademarks including that of any improvements or work done at its own cost for this MoU.
 - iii. The obligations undertaken hereto shall not apply to any information obtained which is or becomes published or is otherwise generally available to the public other than in consequence of any willful or negligent act and such obligations shall survive the termination of this MoU.
 - iv. Parties may enter into a separate NDA if desired.

20. Headings

The heading used in the MoU is inserted for convenience / reference only and shall not affect the interpenetration of the respective clauses and paragraphs of this MoU.

21. Non-Waiver

The failure or neglect by either of the Parties to enforce any of the terms of this MoU shall not be construed as a waiver of its rights preventing subsequent enforcement of such provision or recovery of damages for breach thereof.

22. Assignment and Transfer

Any and all rights, duties and obligations of the parties under this MoU shall not be transferred or assigned by either party to any third party without prior written consent of the other party.

23. Representations and Warranties

The parties hereby represent and warrant to each other:

- a) That it is duly established and existing under the laws of jurisdiction stated against its name hereinabove and has the power and authority to sign this MoU and implement the Project agreed to herein.
- b) That it has the requisite legal power and authority to enter into this MoU, perform and comply with its duties and obligations hereunder.



- c) That this MoU constitutes legal, valid and binding obligations enforceable against it in accordance with the terms hereof:
- d) That the execution, delivery and performance of this MoU have been duly authorized by all requisite actions and will not constitute a violation of (i) any statute, judgment order, decree or regulation of any court, Governmental Instrument or arbitral tribunal applicable or relating to itself, its assets or its functions or (ii) any other documents or to the best of its knowledge any indenture, contract or agreement to which it is a party or by which it may be bound.
- e) That there are no actions, suits or proceedings pending or, to the best knowledge threatened against it before any Court, Governmental Instrument or arbitral tribunal that restrain it from performing its duties and obligations under this MoU; and that no representation or warranty made herein contains any untrue statement.
- f) Parties shall respect and abide by laws of India in carrying out respective responsibilities/fulfilling obligations under this MoU. Parties shall not commit any act/omission which will be illegal/unlawful/unethical/immoral.

24. No partnership

Nothing in this MoU shall be deemed to neither constitute or create an association, trust, partnership or joint venture between the Parties nor constitute either party the agent of the other party for any purpose.

25. Relationship between parties

It is clearly understood by the parties that this Memorandum does not create any employer-employee agency relationship between the parties.

26. Address for Communication

Any notice or communication with reference to this MoU, unless otherwise specified herein shall be deemed to be validly sent, if dispatched by registered post acknowledgement due to the other party at the following respective address.



Contact Person for _SPOKE_:

Technology	Cyber Security	Block Chain	3D Printing & CAD Modelling
Name	Sri. S. Rakesh	Dr. Sangeeta Gupta	P Anjani Devi
Email ID	srakesh_it@cbit.ac.in	sangeetagupta_cse@cbit.ac.in	panjanidevi_mech@cbit.ac.in

Contact Person for C-DAC:

Technology	Cyber Security	Block Chain	3D Printing & CAD Modelling
Name	Jyostna G	Radhika K	Sharan B
Email ID	gjyostna@cdac.in	radhika@cdac.in	sharan@cdac.in

Either party may by a similar written notice to the other party change his / her aforesaid addresses.

27. Indemnity

Either party shall save and indemnify, protect and keep saved and indemnified the other party against all claims, actions, losses, costs, damages, expenses, legal suits and other proceedings resulting from and arising out of actions, inaction or negligence of either party or their employees, agents or for violation of any provision of this MoU or any provision thereof by any party or its employees or for infringement of any patent, trademark copyright of any third party.

28. Limitation of Liability

Except the circumstances of mens rea and gross negligence, in no event will the parties be liable to each other for any incidental, consequential, special, and exemplary or indirect damages, or for lost profits, lost revenues, or loss of business arising out of the subject matter of this MOU, regardless of the cause of action, even if the party has been advised of the likelihood of damages.

29. ANNOUNCEMENT

From the date of signature, both the parties can announce the existence of this MoU. Both the parties can submit the MoU for any regulatory or Government related purposes.



C-DAC and Chaitanya Bharathi Institute of Technology can announce about the MoU on their websites.

30. OTHER TERMS AND GENERAL CONDITIONS:

- All the documents prepared and used by the parties wherein Brand Name, LOGOs or photos, individual names, physical/virtual property of the other party is used for any purpose relating to the proposed MoU should be formally approved by the designated competent authority of the other party
- While the MoU is under force, both the parties should refrain from poaching any resources presently working with the respective entities. They should not be employed directly or in-directly by any party without the consent in writing of the other party
- The verification of the documents in support of the candidate's eligibility criteria such as Educational qualifications lies with _SSC NASSCOM_ and all the rights whether to accept or reject the admission of any candidate into the proposed course
- Notwithstanding anything contained in the rules, the administrative rules, regulations, discipline and conduct rules procedures being applicable to the regular students of the university are applicable to the participants in mutatis-mutandis
- Wholly or partly both parties are not responsible to each other for refund of the capital cost losses on account of damage to the property or infrastructure, any insurance coverage, payment of Insurance premium, processing of claims towards equipment/services.



31. Entire agreement:

This MoU constitutes the entire Understanding between the Parties. Any and all written or oral agreements, representations or understandings of any kind that may have been made prior to the date hereof shall be deemed to have been superseded by the terms of this MoU.

In witness whereof, both the parties jointly agree to all the provisions as set out above and have set their hands, signed and affixed their respective seal through their authorized representatives, this ___ day of _____ 2023.

This MoU has been signed in two originals and each party has one signed original in its possession.

Signed, Sealed and Delivered by
by

Signed, Sealed and Delivered

For and on behalf of C-DAC,
Hyderabad

For and on behalf of _____

Lakshmi

P. Ravinder Reddy

Name: P R Lakshmi Eswari

Name: Prof. P. Ravinder Reddy

Designation: Director

Designation: Principal

P R LAKSHMI ESWARI (P. R. లాక్షమి ఇశ్వరి)
Director / నిदेशक
प्रगत संगणन विकास केंद्र (सी-डैक)
Centre for Development of Advanced Computing (C-DAC)
प्लॉट नंबर 6 एवं 7 हार्डवेयर पार्क
Plot No: 6 & 7, Hardware Park
सर्वेक्षणनं. श्रीशैलम राजमार्ग
Sy. No: 1/1, Srisaillam Highway,
पंजाबी शरीफ बाया (केशवगिरि पोस्ट)
हैदराबाद - 501510 / Hyderabad-501510

Principal
Chaitanya Bharathi Institute of Technology
(Autonomous)
Gandipet, Hyderabad-500 075.

In presence of

In presence of

1. *M. V. Nageswara Rao*
(M.V. NAGESWARAO)
Manager, C-DAC

1. *K. S. Reddy*
Head, CSE, CRIT

2. *Jyostna G*
(Jyostna G)
Joint Director C-DAC

2. *Prof. P. Ravinder Reddy*
Prof. P. Ravinder Reddy, CSE, CRIT.

Annexure-I

Bridge Module Definition

National Skill Development Agency (NSDA) definition of Bridge Course is as follows: "Bridge Course is a course designed to equip students to take up a new subject or course by covering the gaps between the students' existing knowledge and skills and the subject or course prerequisites and assumed knowledge". Each Bridge module is essentially a preparatory level course (as per NSDA definition) for the accredited Occupational Standard (OC) of the respective technology verticals under FutureSkills PRIME.

*Bridge Course 1: Pragmatic Approach to Cyber Security - Towards
Detecting and Mitigating Cyber Security Threats
Technology: Cyber Security*

1. Course Objective

The objective of this module is to equip IT professionals with strong fundamentals in the Cyber Security domain. This course builds core competencies in the area of Network, End System and Application Security that acts as a bridge for advanced deep skilling courses which are aligned to National Occupational Standards (NOS) defined under the National Skill Qualification Framework (NSQF). This course offers a virtual lab through which participants gain hands-on training on various security tools with an aim to detect and mitigate Cyber Security threats

2. Learning Outcomes

- Analyze the live network traffic for detecting the attacks that abuse the TCP/IP Network Protocol vulnerabilities
- Use of security tools for analyzing the network traffic and end system vulnerabilities
- Leverage the Cryptography concepts for protecting the data
- Understand application vulnerabilities and their mitigation techniques
- Understand OWASP Top 10 Vulnerabilities
- Understand the latest trends in Malware and Cyber Attacks
- Design Defensive Network architectures
- Hardening the Operating System
- Understand Secure Development Life Cycle (SDLC)



3. Course Prerequisites

Familiarity with Linux Operating System

4. Conduction Mode

Online/Blended

5. Syllabus

As per the guidelines, the bridge course is mapped to the Qualification Pack/National Occupation Standard (NOS). This course would consist of one or more Bridge Modules

1. Linux Environment
 - a. Basic commands & File Structure
 - b. Linux Installation
 - c. Shell Scripting
 - d. TCP/IP Cyber Security perspective
 - e. Understanding TCP/IP towards Cyber Security
 - f. Cyber Security: Background and Current Trends
2. Security Threats & Vulnerabilities
 - a. Common Network Attacks
 - b. Security Threats & Vulnerabilities
 - c. Cyber Security Current Trends
3. Cryptography and Network Security
 - a. Cryptography & its applications
 - b. Network Security & protocols for secure communication
4. Overview of End system security
 - a. OS Security and Hardening
 - b. Authentication, Authorization and Accountability
 - c. Event Log Analysis
 - d. Endpoint Security Solutions
5. Overview of Network defence
 - a. Network Components (Firewall, IDS, Router)
 - b. Defensible Network Architecture
6. Application Security
 - a. Common Applications vulnerabilities (Buffer, heap overflows)
 - b. Web Application Security
 - c. OWASP Top 10



A handwritten signature in green ink, consisting of a stylized 'L' followed by a vertical line and a horizontal stroke.



7. Threat Modelling
8. Overview of Malware Analysis

6. Course Duration

The total duration of the course is 90 hours (40% Theory sessions and 60% Demonstration & Labs). This course would be spread across either three to five weeks.

7. Lab Details

<i>Topic</i>	<i>Objective</i>	<i>Tools</i>
Linux Environment	<ul style="list-style-type: none"> ● To get familiar with Linux commands and file structures ● Write shell scripts for routine tasks 	<ul style="list-style-type: none"> ● VMware ● Bash
TCP/IP Cyber Security perspective	<ul style="list-style-type: none"> ● Demonstrate the understanding of TCP/IP Protocols ● Analyze the network traffic for protocol vulnerability 	<ul style="list-style-type: none"> ● Wireshark ● Tcpdump
Security Threats & Vulnerabilities	<ul style="list-style-type: none"> ● Understand the common network attacks, detection and mitigation techniques ● Exposure to tools and techniques for identifying the vulnerabilities 	<ul style="list-style-type: none"> ● Cain and Abel ● Ettercap ● Nmap ● Nessus ● Metasploit
Cryptography and Network Security	<ul style="list-style-type: none"> ● Understand the concepts of cryptography and leveraging these techniques in the Network Security ● Understand various network protocols ● Creation of Certification Authority and Integration with Apache Web Server ● Configuring E-mail & Remote Access Applications 	<ul style="list-style-type: none"> ● Openssl ● Apache Server
Overview of End System Security	<ul style="list-style-type: none"> ● Hardening of latest Windows OS and one Linux distribution ● Understand SELinux concepts ● Understand and analyze events for detecting the cyber attack ● Understand different endpoint security solutions 	<ul style="list-style-type: none"> ● Windows & Linux VM



Overview of Network Defence	<ul style="list-style-type: none"> • Configuration of Firewall, IDS & Router 	<ul style="list-style-type: none"> • IPTables • Demos of Firewall, IDS, IPS
Application Security	<ul style="list-style-type: none"> • A case study demonstrating Web Application vulnerabilities and hardening the application • Understand the web traffic using various security tools • Understand Top 10 vulnerabilities 	<ul style="list-style-type: none"> • Nikto, OWASP ZAP, Dirbuster, Ssltest, testssl, httpprint & Burpsuite
Threat Modelling	<ul style="list-style-type: none"> • Understand threat attack surface • A case study demonstrating threat modelling for an application 	<ul style="list-style-type: none"> • Microsoft Threat Modeling Tool • OWASP Threat Dragon tool
Malware Analysis	<ul style="list-style-type: none"> • Understand different types of malware • Exposure to Static and Dynamic Analysis 	<ul style="list-style-type: none"> • CFF Explorer, Strings, procmon, regshot



Bridge Course 2: Introduction to Blockchain Technology

Technology: Blockchain

1. Course Objective

Blockchain Certification Training course provides the participants with insights into Blockchain technology and its platforms. It provides an overview of the structure and mechanism of Blockchain. The participants will be able to understand how transactions are stored in a block and mined on a Blockchain. The course acts as a bridge for advanced deep skilling courses which are aligned to National Occupational Standards (NOS) defined under the National Skill Qualification Framework (NSQF). This course offers a virtual lab through which participants gain hands-on training on popular tools/platforms used in developing core Blockchain. (<https://futureskillsprime.in/course/introductionto-blockchain-technology>)

2. Learning Outcomes

- Provides insights into Blockchain technology and its platforms. Provides an overview of the structure and mechanism of Blockchain.
- Knowledge about popular tools/platforms used in developing core Blockchain.
- Course includes sessions on Ethereum Blockchain platform. Participants would be able to know how to deploy smart contracts on Ethereum.
- Use-cases will ascertain how Blockchain technology is shaping the future of the world.

3. Course Prerequisites

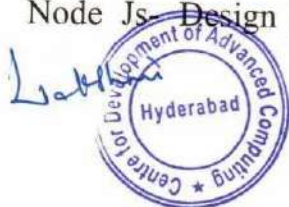
Basic programming skills and proficiency in any programming language such as Java, C++, or Python

4. Conduction Mode

Online/Blended

5. Syllabus

- Introduction to Blockchain-Distributed Ledger Technologies.
- How to Develop basic codes using blockchain tools/platforms.
- Interpret the applications of blockchain across different industry verticals.
- Prior Learning Module (includes front end development approach through CSS, HTML, JavaScript, PHP and a database, Python/Go language/Java/Node Js- Design process including Work flow and Problem solving



approach)

6. Course Duration

The total duration of the course is 90 hours (40% Theory sessions and 60% Demonstration & Labs). This course would be spread across 90 days.



Bridge Course 3: 3D Printing and CAD Modeling
Technology: 3D Printing / Additive Manufacturing

Course Objective

Objective of this course is to demonstrate the viability of utilizing Additive Manufacturing technology to develop product prototypes and Develop skills to allow for prototype models for a range of products to be produced. This course acts as a bridge for advanced deep skilling courses which are aligned to National Occupational Standards (NOS) defined under the National Skill Qualification Framework (NSQF).

3. Target Audience

- IT professionals, Non-IT professionals working in IT/ITeS industries
- State Govt. & Central Govt. Employees
- Employees from PSUs and Autonomous institutions
- Faculties of educational institutes
- Students of 3rd year and 4th year of Btech, Mtech or equivalent degrees.
- Fresh Recruits
- Interns/Apprentices.

Note: They will be applicable for the incentive program only if they have internship/apprenticeship certificate.

4. Course Prerequisites

Familiarity with Mechanical CAD and Manufacturing Technologies

5. Conduction Mode

Online/Blended

6. Syllabus

Module1 - Introduction to Additive Manufacturing

- Evolution of 3D printing
- Various 3D printing technologies
- Fused deposition modelling (FDM) in detail



Module 2 - CAD Modeling

- Creating support less designs
- Optimizing for orientation
- Achieving accuracy and fit

Module 3 - Prototyping using 3D Printer

- Design guidelines for printing
- Designing assemblies
- converting CAD model to STL format
- Print settings

7. Course Duration

The total duration of the course is 90 hours (40% Theory sessions and 60% Demonstration & Labs). This course would be spread across 90 days.





తెలంగాణ తేలంగానా TELANGANA .

S.No. 1619 Date: 16/02/2023 Rs. 100/-

SOLD TO:

Ravinder Reddy Pinninti,
S/o. Bhoom Reddy Pinninti, R/o. Hyd

FOR WHOM:

Chaitanya Bharathi Institute of Technology,
Gandipet, Hyd

AX 861921

A.V. RAJA SEKHAR

LICENSED STAMP VENDOR

L.No.16-11-028/2015,

R.L. No.16-11-021/2021

7-1-619, Shop No.11, HUDA Maitrivanam

Ameerpet, Hyderabad-500038 (South Dist)

Cell: 9391344477

MEMORANDUM OF UNDERSTANDING



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**

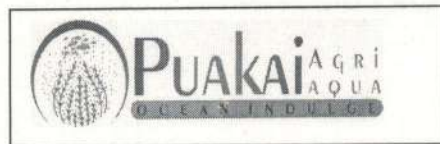
Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in

Approved by All India Council of Technical Education (AICTE), New Delhi. NAAC Accredited. ISO Certified 9001:2015

COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

WITH



PUAKAI AGRI AQUA

Rajamahendravaram, Andhrapradesh

India,

Pin code :- 533101

Mobile:8309963491

E-mail: Puakaiagriqua@gmail.com

M.1 MEMORANDUM OF UNDERSTANDING

M.1.1 This MEMORANDUM OF UNDERSTANDING is made and entered into force this 17th Feb 2023

BETWEEN

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, Hyderabad, Telangana, 500075

AND

PUAKAI AGRI AQUA, located at Andhrapradesh 533101 , India (Herein called as PUAKAI AGRI AQUA) which expression shall, where the context so admits, mean and include its successors, representative and permitted assigns of the other parts.

The CBIT and PUAKAI AGRI AQUA enter into this agreement to promote academic and educational exchange and cooperation between the institutions towards the benefits of the both the institutions.

M.2 PREAMBLE ABOUT THE INSTITUTION

M.2.1 CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY , established in the Year 1979, esteemed as the Premier Engineering Institute in the States of Telangana and Andhra Pradesh, was promoted with an Objective to facilitate the Best Engineering and Management Education to the Students and contribute towards meeting the need of Skilled and Technically conversant Engineers and Management Professionals, for the Country that embarked on an Economic Growth Plan. In its four decades of existence, all the Stake Holders of the Institute, relentlessly endeavored to position CBIT as an Institution that is a Leader and an Innovator in the Ecosystem of Engineering Higher Education and Management. With the Students being the singular Objective, the Institute has established excellent Infrastructure such as State-of – the Art Laboratories, spacious Library with Printed and Digital Collection of Books and Journals, Sports, Hostel, and other Infrastructure for Research, Innovation, Incubation, Entrepreneurship, Extra and Co-Curricular Engagements with a total built-up Area of about 57,714 Sq. Mts., in the serene Ambience of 50 Acres to inspire, encourage and pursue Academics. In its relentless strive

for Academic excellence, CBIT has scaled great heights both Nationally and Internationally in Industry and Global Universities.

M.2.2 WHERE as the party of the first part is an industry which is involved PUKAI AGRI AQUA is a Seaweed cultivation Industry with an objective to provide an alternate livelihood to fisherwomen / Women SHG Groupfamilies in the coastal districts for at least 150+ families to create avenues for additional income to Coastal fishers/fisherwomen. The company is established in 2022 and has branch in Ernakulam The biomass of seaweed is sold and is being used for producing many value added products.

M.3 SCOPE OF WORK AND RESPONSIBILITIES

M.3.1 The two parties after considering their objectives and strengths and after holding detailed discussions have agreed to have an understanding of collaboration in the areas of interest. The following areas of interest form the major part of MoU.

Research work to be carried out at CBIT and PUKAI AGRI AQUA joint Research and Development in areas, where regulatory guidelines permit.

Organizing and participating in Joint Symposium/Conference/ Workshops/Short Term Refresher courses conducted by both CBIT and PUKAI AGRI AQUA.

Mutual extension of Laboratory facilities of CBIT / PUKAI AGRI AQUA, and permitting the research scholars to use the facilities in the institution and agree to the terms for the benefit of both student and faculty members of both the organization.

Sharing knowledge and capability in the concern areas for mutual benefits and become trusted partners in the area of knowledge enrichment.

All visits of the staff of CBIT to PUKAI AGRI AQUA and vice-versa will be based on prior approval of the competent authority of CBIT and PUKAI AGRI AQUA.

To arrange for discussion for the development of novel strategies for the initiation of research works and mutual exchange of ideas.

Sharing the expertise of CBIT and PUKAI AGRI AQUA,for the benefits of the students and the scientists of PUKAI AGRI AQUA in the areas of education, training, research, and other

training services. This MoU is restricted to the Students and Faculty of CBIT and the staff of PUAKAI AGRI AQUA on mutually acceptable terms and conditions.

Through this MoU the faculty and scholars will be continuously taking part in research which evolves continuous Human Resource support in the research area of the company.

WHERE as the party of the PUAKAI AGRI AQUA will formulate projects/problems to ease/economize operations at the premises of party of the first part, for the students and/or faculty of the party of the second part which would result in the completion of their respective academic requirements for the award of their degrees as per CBIT guidelines.

WHERE as the members of the party of the PUAKAI AGRI AQUA will provide necessary facilities to CBIT to carry out investigations on-site and conduct any tests necessary by utilizing the equipment available in the premises of the members of the party of the first part on mutual agreement.

WHERE as the members of the party of the PUAKAI AGRI AQUA will provide facilities for industrial training, internships, industrial visits to expose the students of the CBIT. The members of the party of the PUAKAI AGRI AQUA may also depute their staff for giving special lectures to staff and students.

WHERE as the members/faculty of CBIT will also be given necessary training on the equipment, processes, etc. if the members of the party of the first part are approached.

WHERE as CBIT will conduct continuing education programs for the personnel of members of the party of PUAKAI AGRI AQUA on mutually agreeable topics and terms.

WHERE as in the interest of quality improvement in technical education and CBIT would provide facilities of the library and information center and also in the laboratories of the party of the second part for the members of the party of the PUAKAI AGRI AQUA.

WHERE as any accidents, loss or damages that arise during the period of training/visit/testing, etc. in the premises of either parties are not liable to be claimed by any of the parties or their employees, etc.,

WHERE as in case of any exigencies either of two parties may withdraw from the obligations

arising out of this MoU by giving a notice of three months in advance without causing any liability to the other party.

WHERE as the party of PUA KAI AGRI AQUA will conduct student projects and a one-day workshop/one-day seminar on graduate and undergraduate students on mutually agreeable terms and conditions of both part in each semester.

M.4 FINANCE

M.4.1 PUA KAI AGRI AQUA and CBIT will explore financial conditions as and when required and can come to a decision together as per the needs based on mutual consent.

M.5 IPR and PUBLICATIONS

M.5.1 Publications, if any, in respect of the ACTIVITY shall be in the names of CBIT and PUA KAI AGRI AQUA ,personnel connected with the ACTIVITY should duly inform to both the parties and publish with mutual consent. In all IPR/ publications (patents, trademarks,papers, reports, etc.), it will be duly acknowledged that the work has been carried out by CBIT/ PUA KAI AGRI AQUA, under an MoU between the parties. Personnel involved in this project should not disclose the technology to other persons/companies with out mutual consent of both parties . Confidentiality should be maintained strictly.

M.6 TERMS OF THE MOU AND TERMINATION

M.6.1 In carrying out their obligations under this MoU, the Parties will act following good faith and fair dealing practices.

M.6.2 The provisions of this MoU, as well as any statements made by the Parties in connection with this defined relationship, will be interpreted with utmost good faith.

M.6.3 This MoU enters into force for three years from the date of the signing. After this period, it shall be reviewed and renewed for an additional period, unless either Party notifies the other in writing its intent to terminate this MoU.

M.6.4 Either party may terminate this MoU by giving 30 (Thirty) days notice in writing to the other party.

M.6.5 If either party gives the notice to terminate this MoU, such notice will take effect only in respect of the new activity, and it is agreed that existing activities will continue to be honored

by both parties.

All notices and other communications required to be served on the PARTY under the terms and this MoU shall be considered to be duly served, if the same shall have been delivered to, left with, or posted by registered mail to the PUKAI AGRI AQUA, House number :- 187 , lig H1 housing board,lalacheruvu, Rajamahendravaram, Andhrapradesh- India, Pin code :- 533101 at its last known address of the business. Similarly, any notice to be given to the CBIT shall be considered as duly served, if the same shall have been delivered to, left with, or posted by registered mail to the CBIT at its registered office in Hyderabad.

M.7 ARBITRATION

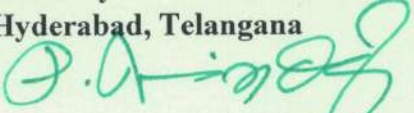

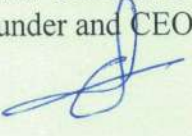

M.7.1 In the event of any dispute or difference between the parties hereto, such disputes or differences shall be resolved amicably by mutual consultation. Except as hereinbefore provided, any dispute arising out of this MOU shall be referred to the arbitration of two arbitrators, one to be appointed by each party to the dispute and in case of difference of opinion between them to an umpire appointed by the said two arbitrators before entering on the reference and the decision of such arbitrators or umpire, as the case may be, shall be final and binding on both parties. The venue of arbitration shall be at such place as may be fixed by such arbitrators or umpire and the arbitration proceeding shall take place under the Indian Arbitration and Conciliation Act, 1996.

M.7.2 This MoU shall be governed and interpreted following the laws of India. The parties further agree to subject themselves to the jurisdiction of the Courts in Hyderabad.

M.8 AMENDMENTS

M.8.1 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 an amendment of this MoU. The modification/changes shall be effective from the date on which they are made/executed, unless or otherwise agreed to.

IN WITNESS WHERE OF THE parties, hereto have signed this Memorandum of Understanding on Seventeenth 17th day, of February month, Two Thousand and Twenty Three, 2023

<p>For Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana</p>  <p>Name: Dr. P. Ravinder Reddy Principal, CBIT</p>  <p>Principal Chaitanya Bharathi Institute of Technology (Autonomous) Gandipet, Hyderabad-500 075.</p> <p>(With Seal)</p>	<p>For PUAKAI AGRI AQUA, Rajamahendravaram, state :-Andhrapradesh Country :- India, Pin code :- 533101</p> <p>Name: Mr Santosh Donkina Co Founder and CEO</p>   <p>(With Seal)</p>
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Witness (Name & Address)

Witness (Name & Address)

1. Signature with date 17/2/23
Name: **Dr Y Jayakumar**
HEAD
Dept. of Bio-Technology
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.

1. Signature with date
Name: **D. Suresh**

2. Signature with date
Name: **Cod Muly**
17/2/23

2. Signature with date
Name:

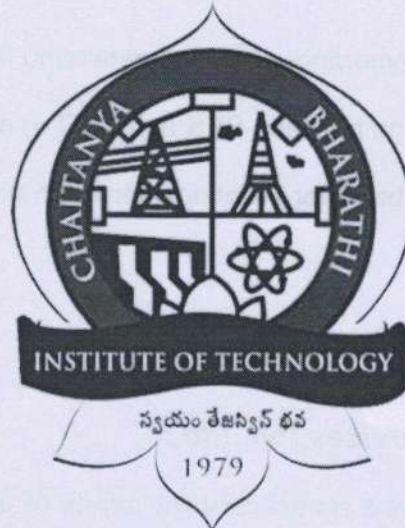
MEMORANDUM OF UNDERSTANDING

BETWEEN



**BIOSEPHIA ENGINEERING SERVICES PRIVATE LIMITED,
Plot No. 274, Adarsh Nagar, Gajularamaram, Qutubullapur,
Hyderabad, Rangareddi, Telangana, India - 500055.**

AND



**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A),
GANDIPET, HYDERABAD, TELANGANA 500075.**

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding made and entered into on the 28th day of January 2021 between Biosephia Engineering Services Private Limited, with its registered office at Plot No. 274, Adarsh Nagar, Gajularamaram, Qutubullapur, Hyderabad, Rangareddi, Telangana, India - 500055 and hereinafter called "**BES**" which expression shall include its successors and permitted assignees.

and

Chaitanya Bharathi Institute of Technology located in Gandipet, Hyderabad -500075, a self-financed autonomous private institute, through PRINCIPAL, CBIT(A), of another part desiring to promote academic and research co operation between the two parties. And hereinafter called "**CBIT**" which expression shall include its successors and permitted assignees.

OBJECTIVES OF THE MOU

The objective of this Memorandum of Understanding is:

- a. to promote interaction between BES and CBIT in mutually beneficial areas.
- b. to provide a formal basis for initiating interaction between BES and CBIT.

WHEREAS:

Biosephia Engineering Services Pvt. Ltd.:

Biosephia Engineering Services is a startup company registered in the year 2020 under Companies Act, 2013(18 of 2013) and expanding its services on research & development consultation, commissioning and installation of other equipments which can be utilized in effective treatment of waste generated from various sources. Our mission is to push India forward as a fastest growing

country in sustainability index, by accelerating, providing unsurpassed services and create positive differences in transition to sustainable energy for a greener and better world.

BES primarily aims for the awareness on waste segregation and under which it works for waste management and utilizing it in effective way. Through this MOU, BES initiates activities of research and development with students, faculty and researchers in providing the projects, research studies and internships and interaction session with students on innovative ideas and scaling up the start up thoughts and ideas.

AND WHEREAS:

Chaitanya Bharathi Institute of Technology (A):

CBIT is esteemed as the premier Engineering Institute in the States of Telangana and Andhra Pradesh. The institute started its academic journey during the year 1979 and for over 41 years it has upgraded itself with excellence in the fields of the Engineering, Technology, Computers and Management courses, both in U.G and P.G programs. The institute continues to remain top ranked institute in the self-financed category of private colleges of the state. The institute has acquired autonomous status from U.G.C, New Delhi up to the year 2024 and has been accorded permanent affiliation by Osmania University, Hyderabad up to the year 2024.

Today, the institute is proud to recognize as Host institute for MSME Business Incubator (Micro, Small and Medium enterprises), Govt. of India, New Delhi and as nodal centre for ATAL community innovation center (ACIC), ATAL Innovation mission (AIM) initiative, NITI Ayog, New Delhi. CBIT boasts of highly skilled and multi talented faculty whose experience and expertise are the asset to guide students for productive results. All the research activities are being streamlined to make a mark in 'Make in India' concept of Indian Government. Laboratory, computing and networking facilities are provided to each and every department to encourage both individual collaborative research for the execution of both sponsored /consultancy projects.

PROPOSED MODES OF COLLABORATION

BES and CBIT propose to collaborate through

- a. Sponsoring student projects/fellowships for B.Tech degree programs at CBIT.
- b. R&D projects, this may be carried out wholly at CBIT or at premises of BES or partly at CBIT and partly at BES.
- c. Explore to have the start-up and request for part funding from Govt. agencies.

1. FORMS OF RESEARCH AND DEVELOPMENT PROGRAMS

The form of any of the said Research and Development Program will be subject to a separate Research Agreement entered into by the Parties but may also include the following based on mutual agreement:

- a. **In their own existing facilities** - The performance of research individually by each Party or concurrently by both Parties at their own facilities.
- b. **In a separate research and development facility** - The performance of research by the technical personnel of both Parties working together in the facilities of one Party or in mixed groups at the facilities supported/sponsored by either Party.
- c. **Third parties** - The performance of research by the Parties together with one or more third parties.

2. TECHNICAL AREAS OF COLLABORATION

A. BES – PROPOSED MOU OBJECTIVES:

To have the long-term relationship with CBIT in terms of establishing a start-up in CBIT campus involving faculty and students for academic and research related work. To organize academic research, training of students of CBIT, this will relate to the field of mutual interest for both the parties.

i. Internship Program:

With a view on training students with the skills and knowledge necessary to solve today's global/regional/local environmental problems with their theoretical knowledge, CBIT aims to establish internship programs with the Host Organization (BES) that will further help the individual student's education to develop his/her practical skills. The period and itinerary of the internship to be engaged by the student is to be agreed upon by all three parties (Host organization, The institution (CBIT) and the student) prior to the commencement of the internship. The terms and conditions of the internship will be as per the Internship Policy laid down by CBIT and BES.

ii. Research Projects:

With understanding between BES and CBIT, research projects in the concerned field can be proposed in collaboration with one another. The details of such proposal will be as per the agreement by both the parties (BES and CBIT). The following areas are considered for further research activities.

- Development of the technology and advancement in optimizing biogas production by various input ratios.
- The projects that we (BES and CBIT) research on different kinds of organic waste (food waste, yard trimmings, grass, etc;) (i.e); on co-digestion of different ratios.
- Generated biogas can also be converted to electricity and supply power to one or more department buildings, claiming to be self-sustaining blocks/buildings.

iii. Publications and Patents:

All publications in the program of cooperation will be co-authored by the concerned faculty/students of CBIT and the employees of BES. The Coordination Committee shall review the patentability aspect of the research work and direct whether a patent or a publication to be made.

BES and CBIT will be joint holders of the Intellectual Property Right (IPR)/Patents flowing out of joint work. The discussion on ownership, licensing costs, royalties and related issues shall be discussed and made by the co ordination committee and their recommendation shall be processed in accordance with the framework of IP guidelines and rules governed by individual's party at BES and CBIT.

These decisions shall be pre-specified and detailed in individual's project/activity specific agreements that will follow under this MOU.

B. CBIT – PROPOSED MOU OBJECTIVES:

- To exchange ideas and information for research, academic and training activities in selected waste management and utilization related programs and possible thrust areas of Science, Engineering, Technology and Management.
- To disseminate and exchange creative and innovative ideas among the students, employees and faculty.
- To coordinate organize different national and international level programs like conferences/webinar/seminar/workshops/invited lectures to the extent possible. The MoU enables technical cooperation but doesn't provide any financial commitment on behalf of CBIT. However the Industry can sponsor such event and both the parties can explore for sponsorship.
- To work on collaborative projects proposals in areas of mutual interest and submit to various agencies/industries/for funding.
- To publish the collaborative research findings in various national and international referred and peer reviewed Journals with mutual consent only.
- To avail or share the facilities of BES and CBIT, for collaborative research in areas of mutual interest, by the students and faculty of CBIT and by the employees of BES, with prior approval and agreement from concerned officials from both parties.
- To mutually collaborate and offer skill development programs, certification courses and training programs for various personnel of academic, industrial and research institutes of private and public sector organizations concerned officials from both parties.
- To provide the alliance with other departments of the institute, provided to collaborate or to share inputs for the research projects and studies as and when required.

3. AGREEMENTS SOLEY FOR RESEARCH COLLABORATION

Each research collaboration undertaken by the parties hereunder shall be initiated by the signing of a separate research agreement between the parties, which will describe in detail:

- a. the nature, scope and schedule of the research collaboration.
- b. the form of the research collaboration.

- c. the estimated cost of the research collaboration together with the amount of funding, if any, to be received from third parties.
- d. the treatment of intellectual property and data rights, including patents, industrial design registration, copyrights and all other proprietary information (including innovations not patented, designs not registered etc.) Which result from the research collaboration or which belong to a party and are used in research collaboration.

4. CONFIDENTIALITY:

In case of joint research and consultancy projects taken up by BES and CBIT, no party will disclose any investigation to media/any unauthorized person from each party in any form whether electronic/print without mutual consent and approval by coordination committee. The participating members is/are to keep strict confidentiality. Any or all information deemed classified by BES or/and CBIT accessed by the student(s)/faculty/employee(s) over the course of the program are not to be disclosed on any grounds.

Each party agrees that it shall not, at any time, after executing the activities of this MOU, disclose any information in relation to these activities or the affairs of business or method of carrying on the business of the other without consent of both parties.

5. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be nonexclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular research agreement, the participants may agree to limit each party's right to collaborate with others on that subject.

6. TERMS AND TERMINATION

This MOU, unless extended by mutual written agreement of the parties, shall expire 2 years after the effective date that it is signing is concluded by representatives of both parties (BES and CBIT).

This MOU may be amended or terminated earlier by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon 90 days prior written notice to the other party.

7. EXTENSION OF AGREEMENT:

The MOU may be extended provided the parties agree upon and can provide the necessary resources.

8. DISPUTE AND SETTLEMENT:

- i) In case of any dispute (s), steps shall be taken by the parties to the MOU to settle the same through amicable negotiations. In case, dispute is not settled in negotiations, it shall be referred to Conciliator appointed by the designated official as per the bye law of CBIT(A), Hyderabad to arrive at a settlement.

In case dispute is not settled in conciliation proceedings, the same shall be referred to Arbitration for resolution of the dispute under Arbitration and conciliation Act 1996. The arbitration proceeding shall be conducted as per provisions of the Arbitration and Conciliation Act, 1996. The dispute shall be referred for arbitration to sole arbitrator to be appointed by the designated official (s) as per the bye law of CBIT(A) – Hyderabad. The award of the sole arbitrator shall be final and binding on both the parties. The venue of the Arbitration shall be at Hyderabad in India. The Award to be given by the Arbitration shall be a speaking award.

- ii) Applicable Laws and Jurisdiction of Courts:

Indian laws both substantive and procedural, for the time being in force, including modifications thereto, shall govern the MOU including the arbitral proceedings. The competent Courts at Hyderabad in the State of Telangana - India shall have sole jurisdiction. All questions, disputes, differences arising under, out of or in connection with this MOU shall be to the exclusive jurisdiction of Hyderabad courts in the State of Telangana.

9. RELATIONSHIP

Nothing in this MOU shall be construed to make either BES or CBIT as a partner, an agent or legal representative of the other for any purpose.

10. ASSIGNMENT

It is understood by the parties herein this MOU is based on the professional competence and expertise of each party and hence neither party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party which approval shall not be unreasonably withheld.

FURTHERMORE, the Parties to this MOU have mutually acknowledged and agreed to the following:

The Parties to this MOU shall work together in a cooperative and coordinated effort, and in such a manner and fashion to bring about the achievement and fulfillment of the goals and objectives of this research and academic development.

- It is not the intent of this MOU to restrict the Parties to this Agreement from their involvement or participation with any other public or private individuals, agencies or organizations. It can also add the furthermore amendments to the provision fixed.
- The Parties to this MOU shall mutually contribute and take part in any and all phases of the planning and development of this collaboration to the fullest extent possible.
- It is not the intent or purpose of this MOU to create any rights, benefits and/or trust responsibilities by or between the parties.
- The MOU shall in no way hold or obligate either Party to supply or transfer funds to maintain and/or sustain the on – going or future planned projects.
- Should there be any need or cause for the reimbursement or the contribution of any funds to or in support of the any research project it shall then be controlled in accordance with mutual governing laws, regulations and/or procedures. Such reimbursement are only possible and processed if there is prior approval from the competent Authorizes.
- In the event that contributed funds should become necessary, any such endeavor shall be outlined in a separate and mutually agreed upon written agreement by the Parties or representatives of the Parties in accordance with current governing laws and regulations, and in no way does this MOU provide such right or authority.
- The Parties to this MOU have the right to individually or jointly terminate their participation in this Agreement provided that advanced written notice is delivered to the other party.
- Upon the signing of this MOU by both Parties, this Agreement shall be in full force and effect.

11. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

IN WITNESS WHEREOF, the two parties hereto have caused this MoU to be made in English and executed by their respective duly authorized representatives on the day and the year first above written

G.P.S.V

()

Authorized Signatory

PRINCIPAL

CBIT(A), HYDERABAD

Name: Prof. G. P. S. Varma

N. Vinesh Kumar N

Authorized Signatory

EXECUTIVE DIRECTOR

BES PVT. LTD.

Name: N. Vinesh Kumar, M.S., B.Tech.

For and on behalf of CBIT

Witness:

1. T. Chowla

(Name and Signature)

Dr. Umakanta Chaudhary

2.

Mel

(Name and Signature)

For and on behalf of BES

Witness:

1. T. Sindhuja

(Name and Signature)

2.

ABPRKRI (Srinu)
Nestor

(Name and Signature)

Dated: 28/01/2021



सत्यमेव जयते

GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

Central Registration Centre

Certificate of Incorporation

[Pursuant to sub-section (2) of section 7 and sub-section (1) of section 8 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014]

I hereby certify that BIOSEPHIA ENGINEERING SERVICES PRIVATE LIMITED is incorporated on this Sixth day of November Two thousand twenty under the Companies Act, 2013 (18 of 2013) and that the company is limited by shares.

The Corporate Identity Number of the company is U74999TG2020PTC145667.

The Permanent Account Number (PAN) of the company is **AAJCB4221C** *

The Tax Deduction and Collection Account Number (TAN) of the company is **HYDB10348C** *

Given under my hand at Manesar this Ninth day of November Two thousand twenty .

DS MINISTRY OF
CORPORATE AFFAIRS 6

Digital Signature Certificate:

Mr. Pankaj Srivasta

ASST. REGISTRAR OF COMPANIES

For and on behalf of the Jurisdictional Registrar of Companies

Registrar of Companies

Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the company on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the company can be verified on www.mca.gov.in

Mailing Address as per record available in Registrar of Companies office:

BIOSEPHIA ENGINEERING SERVICES PRIVATE LIMITED

Plot N.274, Adarsh Nagar, Gajularamaram, Qutubullapur, Hyderabad,

Rangareddi, Telangana, India, 500055



* as issued by the Income Tax Department



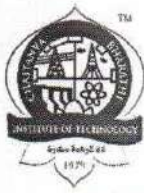
Memorandum of Understanding

This **Memorandum of Understanding** (“MOU” also called “Agreement”) is made as of the of 17th May, 2022 between **Chaitanya Bharathi Institute of Technology, Hyderabad** (hereinafter called “**CBIT(A)**” or “**Institute**”) and M/s. Binford Research labs a PVT LTD (hereinafter called “**Binford**”) company registered under PVT LTD Companies Act 1956 represented by its Founder and CEO B. Sidhanth and having its principal place of business at address: 1-2-593/58 Domalguda Hyderabad 500029 which expression shall, unless be repugnant to the context or meaning thereof, mean and be deemed to include its permitted successors and assigns (REG: UDYAM-TS-02-0028588 REG Date: 15/06/2021)

1. Introduction

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (CBIT(A)), established in the Year 1979, esteemed as the Premier Engineering Institute in the States of Telangana and Andhra Pradesh, was promoted with an Objective to facilitate the Best Engineering and Management Education to the Students and contribute towards meeting the need of Skilled and Technically conversant Engineers and Management Professionals, for the Country that embarked on an Economic Growth Plan. In its four decades of existence, all the Stake Holders of the Institute, relentlessly endeavored to position CBIT(A) as an Institution that is a Leader and an Innovator in the Ecosystem of Engineering Higher Education and Management. With the Students being the singular Objective, the Institute has established excellent Infrastructure such as State-of – the Art Laboratories, spacious Library with Printed and Digital Collection of Books and Journals, Sports, Hostel, and other Infrastructure for Research, Innovation, Incubation, Entrepreneurship, Extra and Co-Curricular Engagements with a total built-up Area of about 57,714 Sq. Mts., in the serene Ambience of 50 Acres to inspire, encourage and pursue Academics. In its relentless strive for Academic excellence, CBIT(A) has scaled great heights both Nationally and Internationally in Industry and Global Universities.

Binford Research labs PVT LTD established in 2018 is into the business of Manufacturing, Assembling, Deploying Unmanned Aerial Vehicles and Unmanned Ground Vehicles for Defense, Agriculture and civilian sectors.



Binford is actively pursuing Research & Development in the area of indigenous drones to increase self-reliance for India and reduce the Defendant on external companies in other countries. In furtherance of the same, was established to make Robust Hardware and Software products related to Robotics and Unmanned aerial vehicles, and the second party has been collaborating with the Government, Regulatory Authority and other experts in the said field.

Binford is also into the business of unmanned arial vehicles also known as UAVs or drones having decentralized space access, allowing agriculturists, construction worker and other civilian users to integrate areal monitoring into their daily work.

Binford advancements in the fields such as automation, robotics, swarm robotics, miniaturization, Artificial Intelligence (AI), material science, spectral and thermal imaging have resulted in drone enabled solution in areas as diverse as the Defense, agricultural, power, infrastructure and telecom structures as well as crowd and Disaster management.

2.0 Recitals

BINFORD is interested in engaging with CBIT(A) in areas of mutual interest as framework outlined below but not necessarily restricted to those mentioned in 2.1 to 2.3

CBIT(A) is having faculties with expertise in the area of Electrical, Mechanical, ECE, Biotech, Chemical, CSE, IT and other emerging technologies areas, whose services can be availed by MSME Industries in Hyderabad to develop new products/process and software required by the customers and the society. Ministry of MSME, GOI, has approved MSME Incubation Centre at CBIT(A) to conduct various Programs. The services of Experts available with CBIT (A) can be availed by BINFORD, an MSME, to develop new products/process, software and incubate new ideas required by the customers and the society. The Proposed Interaction will also help students of CBIT (A) to have industry interaction and involvement in development projects taken up by BINFORD along with CBIT(A) or live projects being carried out by BINFORD for other organizations under their internship. The industrial visits by the students will provide them with an exposure to various equipment's, design, software and manufacturing/business process etc.

2.1 Innovative designs and development in the fields of Mechanical, Electrical, Electronics and control systems, Algorithms, Protocols.

2.2 Development of Innovative Machineries for Capital Good Sector, Research & Development in the space of Artificial intelligence, robotics, Swarm Robotics, Aerospace,



Collective robotics, Autonomous System used in the Battlefield (ISR, ISTAR, UCAV, Loitering Munition MALE, HALE, VTOL, STOL, multirotor rotorcrafts, Fixed wings ETC)

2.3 Drones being used in Agriculture, Roadways and Railways development, Rural and Urban development.

In consideration of the above recitals and the mutual benefits to be derived hereafter, the parties agree to enter into an Agreement as follows:

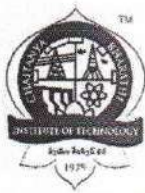
ARTICLE – I: Scope of the MoU

This MoU details the modalities and general conditions regarding collaboration between CBIT(A) and BINFORD for enhancing, within the country, the availability of highly qualified manpower in the areas of Innovative Designs of Mechanical, Electrical and Electronics products, Mechatronics, Capital goods Machineries, Motors, Drives and Embedded systems for machineries and software for Multidisciplinary product development. The area of interaction will also include training and internship of CBIT(A) students to work on live projects at BINFORD. The areas of cooperation can be further extended through mutual consent.

ARTICLE – II: Scope and Terms of Interactions

Both CBIT(A) and BINFORD shall encourage interactions between both the Institutes, Students & Staff and Engineers, of both the organizations through the following arrangements:

1. Both CBIT(A) and BINFORD will plan to work on Joint development projects of Mutual Interest and explore for joint working on Govt. funded projects and other industrial projects based on mutual agreement. Both parties will also explore joint consultancy work.
2. BINFORD may seek assistance/guidance of CBIT(A)'s RE Hub for incubating New ideas under MSME Incubation Centre and initiating any start-up company to develop new products or process along with CBIT(A).
3. Practical training of CBIT(A) students at BINFORD in the form of One-full Semester Internship at BINFORD as per the guidelines laid by CBIT.
4. Joint guidance of student projects/thesis in various technical areas including Embedded Systems and related Technologies and other areas of national interest at CBIT(A) by BINFORD on mutual agreement.



5. BINFORD may depute its personnel as visiting faculty at CBIT(A) to supplement the teaching of any specialized topics.
6. BINFORD will allow the industrial visits of students for half/full day to provide them with an exposure to various equipment; instrument, etc.
7. BINFORD may be allowed to showcase its business activities at the Seminar/Workshop/Conference, etc., if possible, at CBIT(A) that will be conducted time-to-time, with necessary permission from CBIT(A).
8. BINFORD may avail library facilities at CBIT(A) for combined projects for students' project work with necessary permission from the Institute.
9. There will be no restriction on the contents of the thesis and on publication of results of the thesis, subject to the condition that no Intellectual Property Rights can be secured for any part of the work which will be decided with mutual consent.
10. If the outcome of a project related to product development, process technology and design etc. which involves matter of secrecy and concern with security of the State and the Country, the same will not be allowed for publication/printing in any form such as Electronically/verbal, etc.
11. If the outcome of an Internship or the Thesis work or the combined project results into an intellectual property, for which rights can be secured, it will be decided on case-to-case basis depending upon the contribution from both the Institution. Similarly, sharing of expenditure in securing such rights and income accrued through royalty etc. will be decided on case- to-case basis after mutual consultation and agreement.

ARTICLE-III: Sharing of Facilities

- a) BINFORD shall extend its facilities for CBIT(A) students towards the smooth conduct of Internships and Projects depending on their convenience and availability of time & staff.
- b) CBIT(A) and BINFORD may explore to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation depending upon availability of such facility without affecting their regular working.
- c) CBIT(A) and BINFORD will permit the sharing software and other components developed during any combined project work in the areas of cooperation, if permissible within the rules governing the two institutions. However, responsibility regarding confidentiality



terms of the software and other materials during the exchange will rest on respective Head of department of the branch/section and BINFORD.

- d) BINFORD provide access to the library facilities to the members of faculty and students as per the prevailing rules and norms.

ARTICLE-IV: Effective Date and duration of the MoU.

- a) This MoU will be effective from the date of its approval by competent authorities at both ends.
- b) The duration of the MoU will be for a period of 2 years from the effective date which may be extended after mutual understanding. However, if any Important combined projects are under execution, both parties agree to complete the work even the MoU is not effective after two years.
- c) During its tenancy, the MoU may be extended or terminated by a prior notice of not less than one month by either party. However, termination of the MoU will not in any manner affect the interests of the students & faculty who have been admitted to pursue a Training/Project under the MoU.
- d) Any clause or article of the MoU may be modified or amended by mutual agreement of BINFORD and CBIT(A).

ARTICLE - V: IPR

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MoU, will be decided by CBIT and BINFORD based on Mutual agreement.

ARTICLE – VI: Confidentiality

During the tenure of the MoU both CBIT(A) and BINFORD will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MoU for any purpose other than in accordance with this MoU.

Both CBIT(A) and BINFORD shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this agreement or PROJECTS. Further both CBIT(A) and



BINFORD should put in place adequate and reasonable measures to keep and store confidential information secure to prevent any unauthorized use.

CONFIDENTIAL INFORMATION shall mean any proprietary information, data or facts belonging to PARTIES collectively or severally, disclosed by the disclosing party under this agreement or any subsequent agreement, whether in writing, verbal or electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by the disclosing party, or specifically agreed to be kept confidential by the parties, or declared or identified so by the disclosing party before such disclosure or during the discussions. However confidential information should not include any data or information which:

- (a) is or becomes publicly available through no fault of the receiving party,
- (b) is already in the rightful possession of the receiving party prior to its receipt of such data or information;
- (c) is independently developed by the receiving party without reference to the confidential information of the disclosing party
- (d) is rightfully obtained by the receiving party from a third party or is in the public domain
- (e) is disclosed with the written consent of the party whose information it is, or
- (f) is disclosed pursuant to court order or other legal compulsion, after providing prior notice to the disclosing party.

ARTICLE – VII: AMENDMENTS

Any amendment and/or addenda to the AGREEMENT should be in writing and signed by the PARTIES hereto and shall only after such execution be deemed to form part of the AGREEMENT and have the effect of modifying the AGREEMENT to the extent required by such amendment or addenda.

ARTICLE – VIII: Compensation, Force Measure, Approval and Dispute Settlement

a) Compensation

Neither Party shall be liable to the other for any incidental, indirect, special or consequential damages, including but not limited, to loss of profits, loss of use, loss of revenues or damages to business or reputation arising out of or in connection with this



Agreement or any aspect thereof. Neither Party shall be liable to the other by reason of the termination or expiry of this Agreement for compensation or damages on account of the loss of prospective business or on account of expenditures in expectation thereof.

b) Force Majeure

Any delay or failure in performance by the party to this Agreement, shall not constitute default hereunder to give rise to any claims for damages against said party, if any, to the extent caused by matters beyond the control of said party including but not limited to acts of Nature, Strikes, Lock outs or other concerted acts of workmen, fires, floods, explosions, blockages, embargoes, riots, war (declared or undeclared), rebellion, sabotage, extraordinary severe weather, pandemic situation, civil commotion and criminal acts of third persons. If the project under execution is delayed by such force majeure, then upon the happening of such delay, the parties within 30 days of the happening of such event, shall give notice in writing, requesting for extension of time indicating the period for which extension is desired. Efforts will be made by both parties to give fair and reasonable extension of time for the projects at their discretion, but no monetary allowances shall be made unless it is mutually agreed.

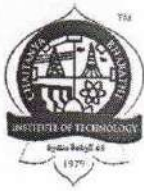
c) Approval of the MoU

This Agreement may be signed by authorized officials, whether by original signature or by scanned signature due to the current situation (provided the pdf documents accompanied with official email), signature/approval over official email, with the same effect as if the signature to any counterpart an original signature upon the same instrument was.

d) Dispute and Settlement

i) In case of any dispute (s), steps shall be taken by the parties to the MOU to settle the same through amicable negotiations. In case, dispute is not settled in negotiations, it shall be referred to Conciliator appointed by the designated official as per the bye law of CBIT(A), Hyderabad to arrive at a settlement.

In case dispute is not settled in conciliation proceedings, the same shall be referred to Arbitration for resolution of the dispute under Arbitration and conciliation Act 1996. The arbitration proceeding shall be conducted as per provisions of the Arbitration and Conciliation Act, 1996. The dispute shall be referred for arbitration to sole arbitrator



to be appointed by the designated official (s) as per the bye law of CBIT(A) – Hyderabad. The award of the sole arbitrator shall be final and binding on both the parties. The venue of the Arbitration shall be at Hyderabad in India. The Award to be given by the Arbitration shall be a speaking award.

ii) Applicable Laws and Jurisdiction of Courts

Indian laws both substantive and procedural, for the time being in force, including modifications thereto, shall govern the MOU including the arbitral proceedings. The Competent Courts at Hyderabad in the State of Telangana - India shall have sole jurisdiction. All questions, disputes, differences arising under, out of or in connection with this MOU shall be to the exclusive jurisdiction of Hyderabad courts in the State of Telangana.

(Mr. Bhimsetty Sidhanth)

DIRECTOR,

M/s. Binford Research Labs Pvt. Ltd.,

HYDERABAD- 500029

(Prof. P. Ravinder Reddy)

PRINCIPAL,

Chaitanya Bharathi Institute of Technology,

HYDERABAD-500075

Witness:

(Ramakrishna Mamidi)

Head of AI

Witness:

(Dr U.K. Choudhury)

Prof. & Director(I&I)



Director - Incubation & Innovation
R&E Hub, CBIT(A)
Gandipet, Hyderabad-500075



MEMORANDUM OF UNDERSTANDING

BETWEEN

Chaitanya Bharathi Institute of Technology (CBIT),

Gandipet, Hyderabad-500075, Telangana

AND

**Indian Railways Institute of Signal Engineering &
Telecommunications, Secunderabad**

(under the aegis of Bharatiya Gati Shakti Vishwavidhyalaya)

This is a Memorandum of Understanding (MOU) dt.18.07.2022

Between

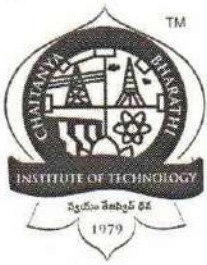
Chaitanya Bharathi Institute of Technology (CBIT), established in the Year 1979, esteemed as the Premier Engineering Institute in the States of Telangana and Andhra Pradesh, was promoted with an objective to facilitate the Best Engineering and Management Education to the Students and contribute towards meeting the need of Skilled and Technically conversant Engineers and Management Professionals, for the Country that embarked on an Economic Growth Plan. In its four decades of existence, all the Stake Holders of the Institute, relentlessly endeavored to position CBIT as an Institution that is a Leader and an Innovator in the Ecosystem of Engineering Higher Education and Management. With the Students being the singular Objective, the Institute has established excellent Infrastructure such as State-of – the Art Laboratories, spacious Library with Printed and Digital Collection of Books and Journals, Sports, Hostel, and other Infrastructure for Research, Innovation, Incubation, Entrepreneurship, Extra and Co-Curricular Engagements with a total built-up Area of about 57,714 Sq. Mts., in the serene Ambience of 50 Acres to inspire, encourage and pursue Academics. In its relentless strive for Academic excellence, CBIT has scaled great heights both Nationally and Internationally in Industry and Global Universities.

And

Indian Railways Institute of Signal Engineering & Telecommunications, Secunderabad (IRISET) is a premier Training Institute of Indian Railways to cater to the specialized training needs of Railway Officers and Supervisors in the field of Railway Signaling and Telecommunications. The Institute was set up in the year 1957 by Ministry of Railways, Government of India. It possesses state of the art laboratory facilities for practical training. The Institution offers Skill Oriented Faculty Development Programs and Industrial Training on Signal & Telecommunications and indigenous Automatic Train Protection (iATP) - Kavach.

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Scope

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

- 1.1 CBIT shall offer short duration certificate courses and PG diploma course on Railway Signal Engineering and Kavach as per the approved curriculum and introduce these courses as open electives for Engineering graduates across multiple disciplines.
- 1.2 IRISET shall design and conduct Faculty Development Programs & Industrial Training Programs for nominated CBIT Faculty members
- 1.3 The educational inputs would be given by both IRISET and CBIT jointly. On subjects pertaining to Railway Signaling, Telecommunication and ATP-Kavach, IRISET will provide Training of Teachers of CBIT.
- 1.4 To upskill and reskill the Engineering College Faculty members seamlessly in the areas of iATP- Kavach and Modern Technology Systems
- 1.5 Exchange and review of Academic information and Training Manuals on subjects/topics of mutual interest.

2. Training

- 2.1 IRISET will conduct Faculty Development Programmes (FDP) for CBIT as per mutual convenient schedules.
- 2.2 The FDP course would be conducted in hybrid mode covering theory and lab.

3. Research Collaboration

- 3.1 Faculty from both Institutions will collaborate in the supervision and exchange of Training Manuals in disciplines of mutual interest.
- 3.2 Training Proposals under this Memorandum will be submitted with the prior approval of the Head of each institution.
- 3.3 Each institution will nominate one of its members as its representative in charge of the collaborative programme. Individual programme of work under this Memorandum will be jointly planned and conducted by the nominees of both parties.
- 3.4 Progress of work of any individual collaborative work will be reviewed and approved by designated authorities of both parties.



- 3.5 If required, every collaboration (like Joint Consultancy, Research projects etc.) will have its own agreement / contract which address issues such as IPR, funding pattern, usage policies of research facilities, disclosure of information etc.

4 Faculty Exchange

Pursuant to the faculty exchange, CBIT, Hyderabad and IRISET, Secunderabad will exchange faculty for conducting FDP programs.

5 Sharing of Important Facility

IRISET agrees to share the important Training Facilities like Laboratory Setup and Classrooms facilities.

6 Joint Workshop/ Training Programmes

Both the Institutions agree to hold / conduct whenever feasible, Workshops / Training Programmes / Webinars in the areas of mutual interest.

7 Intellectual Property Rights

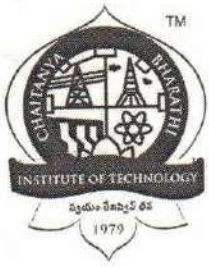
The intellectual property rights that arise as a result of joint research and collaborative activity under the agreement will be worked out on a case-to-case basis and will be consistent with officially laid down IPR policies of the two Institutions as may be in vogue from time to time under mutual agreement.

8. Force Majeure

Any delay or failure in performance by the party to this Agreement, shall not constitute default hereunder to give rise to any claims for damages against said party, if any, to the extent caused by matters beyond the control of said party including but not limited to acts of Nature, Strikes, Lock outs or other concerted acts of workmen, fires, floods, explosions, blockages, embargoes, riots, war (declared or undeclared), rebellion, sabotage, extraordinary severe weather, pandemic situation, civil commotion and criminal acts of third persons. If the project under execution is delayed by such force majeure, then upon the happening of such delay, the parties within 30 days of the happening of such event, shall give notice in writing, requesting for extension of time indicating the period for which extension is desired. Efforts will be made by both parties to give fair and reasonable extension of time for the projects at their discretion but no monetary allowances shall be made unless it is mutually agreed.

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9. Confidentiality

During the tenure of the MoU both CBIT and IRASET will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MoU for any purpose other than in accordance with this MoU.

10 Co-ordination Committee

The following will constitute the Co-ordination Committee to co-ordinate and monitor the collaboration between the two organizations:

- (i) Sr. Professor (IT & Kavach), IRASET, Secunderabad
- (ii) Principal / HOD of CBIT, Hyderabad
- (iii) Two representatives of CBIT, Hyderabad - One of whom to act as Coordinator
- (iv) Two Representatives of IRASET, Secunderabad - One of whom to act as Coordinator

11 Commencement, Renewal, Arbitration, Termination and Amendment

The Memorandum of Understanding will enter into force upon signature by both the Parties.

This Memorandum of Understanding is signed for an initial period of five years and may be renewed by mutual agreement between the Parties.

Any divergence or difference derived from the interpretation or application of the MoU shall be resolved by mutual negotiations. In case of any unresolved dispute, the party shall refer the said dispute for arbitration, to sole arbitrator appointed by the both parties and decision of the arbitrator shall be final and binding on both the parties. The provisions of Arbitration and Conciliation Act 1996 shall apply to arbitration. The place of the arbitration shall be Hyderabad.

Each Party shall have the right to terminate the Memorandum of Understanding by giving three months written notice in writing to the other Party at any time. If the Memorandum of Understanding is terminated by either Party, steps shall be taken to ensure that the termination does not affect any prior obligation, project or activity already in progress.

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The Memorandum of Understanding may be modified or amended by a written agreement between the Parties.

IN WITNESS WHEREOF, the parties have hereunto set and subscribed their respective hands and seals on the day, month and year first herein above mentioned.

Prof. P. Ravinder Reddy
Principal
Chaitanya Bharathi Institute of
Technology (CBIT),
Gandipet, Hyderabad-500075, Telangana



P. Venkata Ramana
Additional Director General
Indian Railways Institute of Signal
Engineering & Telecommunications,
Secunderabad, Telangana

अपर महानिदेशक
ADDL. DIRECTOR GENERAL
इरिसेट, शिकंदराबाद
IRISSET, Secunderabad
रेल मंत्रालय, Ministry of Railways.

IN THE PRESENCE OF

Witness 1
(Dr. K. Krishna Rao)

Witness 2
(Dr. U. K. CHOUDHURY)

IN THE PRESENCE OF

Witness 1
Sr Professor (IT & Railways)

Witness 2
Lecturer (IT & Railways)



MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding is made and executed on 12th April 2022 at Hyderabad.

BY AND BETWEEN

Urban Rebox IT Pvt Ltd, having its principal office situated at No. # 11-3-362/3, Mohammadguda, Secunderabad, Hyderabad-500061 and represented by Mr. D. Sai Krishna, Chief Operations Manager referred as **"Rebox"**

Being the First Part

AND

Chaitanya Bharathi Institute of Technology (CBIT), Osman Sagar Rd, Kokapet, Gandipet, Telangana 500075, its administrators, assigns and successors represented by HOD/ Principal, who is duly authorized to sign and execute the MOU. CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (CBIT(A)), established in the year 1979, esteemed as the premier engineering institute in the states of Telangana and Andhra Pradesh, was promoted with an objective to facilitate the best engineering and management education to the students and contribute towards meeting the need of skilled and technically conversant engineers and management professionals, for the country that embarked on an economic growth plan. In its four decades of existence, all the stakeholders of the institute, relentlessly endeavored to position CBIT(A) as an institution that is a leader and an innovator in the ecosystem of engineering higher education and management. With the students being the singular objective, the Institute has established excellent infrastructure such as State-of – the Art laboratories, spacious library with printed and digital collection of books and journals, sports, hostel, and other infrastructure for Research, Innovation, Incubation, Entrepreneurship, extra and co-curricular engagements with a total built-up area of about 57,714 Sq. Mts., in the serene ambience of 50 acres to inspire, encourage and pursue academics. In its relentless strive for academic excellence, CBIT(A) has scaled great heights both nationally and internationally in industry and global universities.

Whereas **Chaitanya Bharathi Institute of Technology (CBIT)** has agreed to collect and give away the dry recyclable waste including any kind of paper waste, Metal waste, Plastic waste & E-waste generated in its college.

Being the Second Part

1. **NOW THIS MOU WITNESSETH AS UNDER:**

This is an agreement for a alliance between **Chaitanya Bharathi Institute of Technology (CBIT)** and **Rebox** for the social cause of recycling of Dry Waste and Environment Protection through recycling.

2. **Time period:** This MOU shall be for a period of One year commencing from the date of signing of this MOU.

3. **Roles and Responsibilities of Chaitanya Bharathi Institute of Technology (CBIT):**

1. To ensure source segregation of dry and wet waste at college premise through its staff and students.
2. Chaitanya Bharathi Institute of Technology (CBIT) will give away any kind of paper waste (white printed papers, records, newspaper, carton boxes etc), metal waste, plastic waste & e-waste.
3. Chaitanya Bharathi Institute of Technology (CBIT) shall motivate students to bring dry recyclables like paper, plastic, metal etc. from their home and contribute to Rebox waste collection system.
4. Chaitanya Bharathi Institute of Technology (CBIT) will put-up color-coded bins for waste segregation at different points in college premises.

4. **Roles and Responsibilities of URBAN REBOX:**

1. Rebox will collect all dry recyclable paper, plastic, metal and electronic waste from the college and bring to their facility without any spillage.
2. Rebox will organize sorting of the dry waste into different categories, baling, and appropriate disposal of dry waste.
3. Rebox will make sure the documents collected will be safely and properly discarded and will maintain utmost confidentiality of those documents.
4. Rebox will make payment to Chaitanya Bharathi Institute of Technology (CBIT) under mutually agreed rates with reference to the email from Urban Rebox to the Principal, CBIT dated 31-03-2022 directly into their accounts for the dry recyclable waste collected against the accurate weighment and the type or category of the dry waste. The payment shall be made no later than 15 days from the date of purchase of dry waste from the waste collector. Rebox on the request of Chaitanya Bharathi Institute of Technology (CBIT) may give New A4 paper sheets, Notebooks and Stationery against the value of dry recyclable waste lifted.

5. **Performance of Obligations**

1. The details laid out in this MOU, notwithstanding the essence and spirit of this MOU is an understanding between Chaitanya Bharathi Institute of Technology (CBIT) and Rebox.
2. Any notice or other communication under or in connection with this agreement shall be in writing in the English language and shall be delivered personally or sent by way of



e-mail to the party due to receive the notice or communication at its address set out in this contract or such other address as either party may specify by notice in writing to other.

ADDRESS FOR COMMUNICATION:

Following are the address to which all notices shall be sent:

For URBAN REBOX:

Urban Rebox IT Pvt Ltd
H.No. #11-3-362/3,
Mohammadguda, Secunderabad,
Hyderabad - 500061
Phone No.9000479471
Email ID: urbanreboxit@gmail.com,
support@reboxit.in

**For Chaitanya Bharathi Institute of
Technology (CBIT),**

Address: Osman Sagar Rd, Kokapet, Gandipet,
Telangana 500075.
Phone No: 040-24193276
Email ID: principal@cbit.ac.in

6. Execution of this Agreement shall be deemed to be

- a) A confirmation by both the parties that no benefit, either in cash or kind has been provided by either party to the other party or to any officer or employee, or any relative/ associate of any officer or employee of either party or of any of their associate institutions/companies in order to enter into this Agreement, and
- b) An undertaking by both the parties not to provide any benefit, either in cash or kind to any officer/employee/relative/associate of any officer or employee of either party as reward or consideration either for entering into this MOU or other matter relating to this Agreement.

Other Terms

7. **Force Majeure:** Neither party shall be liable for damages for any delay or failure to perform its obligations here under, if such delay or failure is due to reasons beyond the control of the concerned party including without limitation, strikes, riots, wars, fires, epidemics, quarantine restrictions, unusually severe weather, earth quakes, explosions, acts of God or state or any public enemy or acts mandated by applicable laws, regulation or order, whether valid or invalid, of any Governmental body.
8. **Dispute Resolution:** It is understood by both the parties that this Agreement is for a social cause and not to make any profit out of the understanding. The Parties covenant that they will comply with all applicable laws and regulations in their conduct pursuant to this Agreement. Any dispute arising out of this Agreement shall be first attempted to settle amicably between the parties.
9. **Arbitration:** Any dispute which is not resolved amicably shall be finally settled by binding arbitration in respect to the matters concerning to the MOU with the Sole Arbitrator to be appointed by the mutual consent of both the parties. The Parties agree that the decision or award resulting from arbitration shall be final and binding upon the Parties. Pending the submission of and/or decision on a dispute, the Parties shall continue to perform their



respective obligations under this Agreement without prejudice to a final adjustment in accordance with such arbitration award.

- 10. Governing and Jurisdiction:** This Agreement is subjected to the Jurisdiction of Courts at Hyderabad.
- 11. Confidentiality:**
- Both the parties shall agree that it will not make use of, disseminate, or in any way disclose any confidential information to any person, firm or business. Furthermore, the existence of any discussions, negotiations or agreements in progress between the parties shall not be released to any form of public media without written approval of both parties.
 - "During the tenure of the MoU the "Rebox" will maintain strict confidentiality of the waste paper having certain CBIT's data, Qn/Answer sheets, finance related and purchase related information etc. and prevent disclosure of all the information. The waste papers received will only be shredded and used for making new paper. "
- 12. Amendments**
This Agreement and the Schedules together constitute a complete and exclusive understanding of the terms of the Agreement between the Parties on the subject hereof and no amendment or modification hereto shall be valid and effective unless agreed to by all the Parties hereto and evidenced in writing.
- 13. NOTICE /Termination**
Any notice required to be given hereunder shall be given in writing at the address of each party set forth as below in this agreement or to such other address either party may substitute by written notice to the other. Either party may terminate this Agreement by giving 30 days written notice to the other party.

In witness whereof the parties hereto have signed this agreement on the day, month and year mentioned hereinbefore.

For
Chaitanya Bharathi Institute of Technology (CBIT)

Prof. P. Ravinder Reddy
Principal, CBIT

Witness:

1. (Dr. K. Jagannatha Rao)

2. (Dr. U. R. Chowdhury)

(V. Sai Pradeep)

For
Urban Rebox IT Pvt Ltd

D Sai Krishna
Chief Operations Manager





BUSINESS PROPOSAL

DATE: 31/03/2022

To,
Chaitanya Bharathi Institute Of Technology (Autonomous),
Gandipet, RR District, Telangana.

Dear Sir/ Madam,

Sub: Proposal for lifting recyclable wastes from your esteemed Institution - Regarding.

Urban Rebox IT Pvt Ltd., is a technology-based waste management start-up, by young and socially responsible entrepreneurs with an objective to safeguard the environment.

We recover dry recyclable waste and help the materials get to their next best use by ensuring that it is being recycled/up-cycled efficiently, which in turn helps to conserve natural resources and protect the environment.

We would like to pick the dry recyclables from your Institution at below mentioned prices:

Sl.no	Description	Price (Rs/kg)
1.	Paper waste* (books, catron, old records, newspapers, etc.,) *excluding hard bond covers.	15.00
2.	Metal Scrap	20.00
3.	Plastic Scrap	8.00
E-Waste		Price (Per Unit)
1	CPU Working	300.00
2	CPU Not-Working	180.00
3	CPU Empty	30.00
4	Servers	300.00
5	LCD Monitors Working	280.00
6	LCD Monitors Not-Working	100.00
7	CRT Monitors	80.00

URBAN REBOX IT PVT.LTD.

#11-3-362/3, MR Complex, Srinivas Nagar, Padmarao Nagar,
Secunderabad, Telangana State - 500 061
GSTIN: 36AACCU3664R1ZM





8	Core/Dual core Laptop (non-working condition)	400.00
9	i Processor Laptop (non-working condition)	550.00
10	Core/Dual core Laptop (working condition)	800.00
11	i Processor Laptop (working condition)	1400.00
12	Big Xerox Printer	280.00
13	Dot Matrix printer	80.00
14	Printers	180.00
15	Keyboards	8.00
16	Mouses	1.00
17	SMPS	15.00
18	Hard disks	30.00
19	Mother Board	50.00
20	Head Phones	10.00
21	RAM	15.00
22	UPS	80.00
23	Cables / Kg	15.00
24	Modems	30.00
25	Switch	40.00
26	Voltmeter	50.00
27	ID Card Reader	110.00
28	Routers	30.00
29	Inverter/Generator	350.00

URBAN REBOX IT PVT.LTD.

#11-3-362/3, MR Complex, Srinivas Nagar, Padmarao Nagar,
Secunderabad, Telangana State - 500 061
GSTIN: 36AACCU3664R1ZM





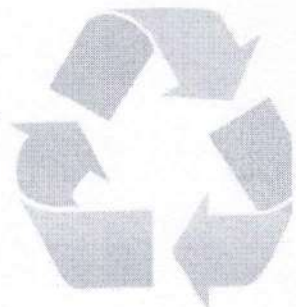
Looking forward for a green collaboration with your esteemed organization in Solid Waste management.

Thanking you,
Yours faithfully
For Urban Rebox IT Pvt Ltd

Sai Krishna D
Chief Operations Manager
(Ph. 90004 79471)

URBAN REBOX IT PVT.LTD.

#11-3-362/3, MR Complex, Srinivas Nagar, Padmarao Nagar,
Secunderabad, Telangana State - 500 061
GSTIN: 36AACCU3664R1ZM



MEMORANDUM OF UNDERSTANDING

BETWEEN



Green Waves Recyclers

(A Unit of Green Waves Environmental Solutions)
Near Studio, Mindhi Village, B.H.PV(PO),
Gajuwaka, Visakhapatnam-530012, Andhra Pradesh

**Green Waves Environmental Solutions, Visakhapatnam,
Andhra Pradesh – 530026**

AND



CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)
Affiliated to Osmania University

**Chaitanya Bharathi Institute of Technology (A),
Gandipet, Hyderabad - 500075**

TO PROMOTE

ACADEMIC AND RESEARCH CO-OPERATION

MEMORANDUM OF UNDERSTANDING

TO PROMOTE ACADEMIC AND RESEARCH

CO-OPERATION

This Memorandum of Understanding entered into on the ____ day of _____ between **Green Waves Environmental Solutions**, 43/1, Mindhi Village, Gajuwaka, Visakhapatnam, Andhra Pradesh-530026, hereinafter referred to as 'GWES', which expression unless repugnant to the context or the meaning thereof, shall include its permitted assigns and successors, of the one part,

and

Chaitanya Bharathi Institute of Technology (A), Gandipet, Hyderabad, (herein after referred to as **CBIT**, a self-financed autonomous private institute, through **PRINCIPAL**, **CBIT (A)**, of the another part desiring to promote academic and research cooperation between the two institutes.

WHEREAS:

GWES

Green Waves Environmental Solutions (GWES) is Andhra Pradesh first authorized unit (given by Andhra Pradesh Pollution Control Board) for E-waste collection and handling unit. The primary aim of Zero Waste concept is to reduce waste sent to landfill area and there by promoting a healthy environment. GWES collects the electronic waste from residential, Corporate, Government, SMEs, Educational Institutions, Retailers, Individuals, commercial and industrial areas of Andhra Pradesh. It is segregated and sorted to promote zero waste management which includes recycle, upcycle of E-waste, plastic and solid waste.

GWES organizes college programs with an aim for Zero Waste. GWES had signed MOU with five colleges in three different cities. Three more colleges/ university will be added to the list in another six months. Through MoU, GWES initiates activities/clubs with students and work on clean up drive, waste collection, waste segregation, certified projects or assignments. It also extends

technical support or practical approach to students which have also lead to self employment programs for students in areas of waste management

AND

CBIT

CBIT is a premier institute in the country mostly catering to the needs of Telangana and A.P states. The institute started its academic journey during the year 1979 and for over 41 years it has upgraded itself with excellence in the fields of Engineering, Technology, Computers and Management courses, both in U.G and P.G programs. The institute continues to remain top ranked institute in the self-financed category of private colleges of the state. The institute has acquired autonomous status from U.G.C, New Delhi upto the year 2024 and has been accorded permanent affiliation by Osmania University, Hyderabad upto the year 2024.

Today, the institute is proud to be recognized as Host Institute for MSME Business Incubator (Micro, Small, and Medium Enterprises), Govt. of India, New Delhi and final approval under process for as nodal centre for ATAL Community Innovation Centre (ACIC), ATAL innovation mission (AIM) initiative, NITI Ayog, New Delhi. CBIT boasts of highly skilled and multi-talented faculty whose experience and expertise are the asset to guide students for productive results. Laboratory, computing and networking facilities are provided to each and every department to encourage both individual and collaborative research for the execution of both sponsored/consultancy projects.

A. PURPOSE

GWES – PROPOSED MOU OBJECTIVES:

To have long term relationship with CBIT in terms of establishing a start-up in CBIT campus involving faculty and students for academic and research related work. To organize academic, research, training in the field of mutual interest for both the parties.

i) Internship programmes

With a view to training students with the skills and knowledge necessary to solve today's global/ regional/ local environmental problems such as waste, CBIT aims to establish internship program

with the organization (GWES) that will further the individual student's education and develop the practical skills he or she will need for his/ her future career. The terms and conditions of the internship will be as per mutual agreement and the Internship Policy laid down by CBIT and GWES.

ii) **Training programmes**

On prior discussion and training programmes between the two parties can be scheduled for enriching and exchange of ideas and knowledge. Payment of travel costs to and from the organization/institution where the programme will be held, is to be borne by the nominating agency.

iii) **Research projects**

With understanding between GWES and CBIT, research projects in the mutually agreed field can be proposed in collaboration with one another. The details of such proposal will be as per the mutual agreement by both the parties (GWES and CBIT).

iv) **Publications and Patents**

All publications in the programmes of co-operation will be co-authored by the concerned Faculty/ students of CBIT, employees of GWES. The Coordination Committee shall review the patentability aspect of the research work and direct whether a patent or a publication is to be made.

GWES and CBIT will be joint holders of the intellectual property Right (IPR)/ Patents flowing out of joint work. The decisions on ownership, licensing, costs, royalties and related issues shall be discussed and made by the coordination committee and their recommendations shall be processed in accordance with the framework of IP guidelines and rules governed by individual party at GWES and CBIT.

These decisions shall be prespecified and detailed in individual project/ activity specific Memorandum of Agreements (MoA) that will follow under this MoU.

B. CBIT - PROPOSED MOU OBJECTIVES:

- To disseminate and exchange creative and innovative ideas among students, employees and faculty

- To coordinate and organize different national and international level programmes like conferences / webinars / seminars / workshops / invited lectures to the extent possible.
- To work on collaborative project proposals in areas of mutual interest and submit to various agencies / industries for funding.
- To publish the collaborative research findings in various national and international referred and peer reviewed Journals with mutual consent only.
- To avail or share the facilities of GWES and CBIT, for collaborative research in areas of mutual interest, by the students and faculty of CBIT and by employees of GWES, with prior approval and agreement from concerned officials from both parties.
- To mutually collaborate and offer skill development programmes, certification courses and training programmes for various personnel of academic, industrial and research institutes of private and public sector organizations concerned officials from both parties.

Confidentiality

During the tenure of the MoU both CBIT(A) and GWES will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MoU for any purpose other than in accordance with this MoU.

Both CBIT (A) and GWES shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this agreement or PROJECTS. Further both CBIT (A) and GWES should put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.

CONFIDENTIAL INFORMATION shall mean any proprietary information, data or facts belonging to PARTIES collectively or severally, disclosed by the disclosing party under this agreement or any subsequent agreement, whether in writing, verbal or electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by the disclosing party, or specifically agreed to be kept confidential by the parties, or declared or identified so by the disclosing party before such disclosure or during the discussions.

However confidential information should not include any data or information which:

- (a) is or becomes publicly available through no fault of the receiving party,
- (b) is already in the rightful possession of the receiving party prior to its receipt of such data or information;
- (c) is independently developed by the receiving party without reference to the confidential information of the disclosing party
- (d) is rightfully obtained by the receiving party from a third party or is in the public domain
- (e) is disclosed with the written consent of the party whose information it is, or
- (f) is disclosed pursuant to court order or other legal compulsion, after providing prior notice to the disclosing party.

C. Publication of results

The publication of research results gained by the student/ faculty/ employee over the period of his/her research is to take place only after consultation with GWES and CBIT.

D. Period of validity of the Memorandum of Understanding

This Memorandum of Understanding is valid for **Three years** effective from the date that it is signing is concluded by representatives of GWES and CBIT. In case any project is under execution, both parties agree that the activities will be completed even though the term of the agreement is over.

E. Co-ordination Committee

The following will constitute the Coordination Committee to monitor and review the collaborative programme between the two parties:

- a) Managing Director, GWES and/or their nominee(s)
- b) Principal, CBIT (A) and/or their nominee(s)
- c) Employees of the concerned section(s) of GWES and HODs/ Faculty from CBIT who are to be invited whenever needed.
- d) Employees of GWES and HODs/ Faculty of CBIT, who are involved as Guides / Supervisors / Co-supervisors for the work involved.

The Co-ordination Committee shall:

- *Review the progress of the identified programmes *Consider the new research / start-up proposals for joint collaboration and implementation on case to case basis including IPR and financial arrangements.
- *Consider the addition/deletion of areas of co-operation between the two parties during review.
- *Consider the continuance of the MoU after three years period.

F. Termination/renewal of the Memorandum of Understanding

A period of three months' notice will be provided in the case when either party (GWES or CBIT) who wishes to terminate the agreement established in this Memorandum of Understanding. Any such wish must be expressed in writing. Any decision to renew the agreement must again be agreed upon by both parties, with both parties expressing their desire to continue at least three months prior to the expiration of the period covered by the current Memorandum of Understanding. In case any urgent and important project is under execution, both parties agree that the activities will be completed even though the MoU is terminated based subjected to mutual agreement.

Compensation, Force Measure, Approval and Dispute Settlement

a) Compensation

Neither Party shall be liable to the other for any incidental, indirect, special or consequential damages, including but not limited, to loss of profits, loss of use, loss of revenues or damages to business or reputation arising out of or in connection with this Agreement or any aspect thereof. Neither Party shall be liable to the other by reason of the termination or expiry of this Agreement for compensation or damages on account of the loss of prospective business or on account of expenditures in expectation thereof.

b) Force Majeure

Any delay or failure in performance by the party to this Agreement, shall not constitute default hereunder to give rise to any claims for damages against said party, if any, to the extent caused by matters beyond the control of said party including but not limited to acts of Nature, Strikes, Lock outs or other concerted acts of workmen, fires, floods, explosions, blockages, embargoes, riots, war (declared or undeclared), rebellion, sabotage, extraordinary severe weather, pandemic situation, civil commotion and criminal acts of third persons. If the project under execution is delayed by such force majeure, then upon the happening of such delay, the parties within 30 days of the happening of such event, shall give notice in writing,

requesting for extension of time indicating the period for which extension is desired. Efforts will be made by both parties to give fair and reasonable extension of time for the projects at their discretion but no monetary allowances shall be made unless it is mutually agreed.

c) Approval of the MoU

This Agreement may be signed by authorized officials, whether by original signature or by scanned signature due to the current situation (provided the pdf document is accompanied with official email), signature/approval over official email, with the same effect as if the signature to any counterpart was an original signature upon the same instrument.

d) Dispute and Settlement

i) In case of any dispute (s), steps shall be taken by the parties to the MOU to settle the same through amicable negotiations. In case, dispute is not settled in negotiations, it shall be referred to Conciliator appointed by the designated official as per the bye law of CBIT(A), Hyderabad to arrive at a settlement.

In case dispute is not settled in conciliation proceedings, the same shall be referred to Arbitration for resolution of the dispute under Arbitration and conciliation Act 1996. The arbitration proceeding shall be conducted as per provisions of the Arbitration and Conciliation Act, 1996. The dispute shall be referred for arbitration to sole arbitrator to be appointed by the designated official (s) as per the bye law of CBIT(A) – Hyderabad. The award of the sole arbitrator shall be final and binding on both the parties. The venue of the Arbitration shall be at Hyderabad in India. The Award to be given by the Arbitration shall be a speaking award.

ii) **Applicable Laws and Jurisdiction of Courts**

Indian laws both substantive and procedural, for the time being in force, including modifications thereto, shall govern the MOU including the arbitral proceedings. The competent Courts at Hyderabad in the State of Telangana - India shall have sole jurisdiction. All questions, disputes, differences arising under, out of or in connection with this MOU shall be to the exclusive jurisdiction of Hyderabad courts in the State of Telangana.

G. Others

Additions or amendments to the provisions fixed by this Memorandum of Understanding are possible at any time, subject to consultation and mutual agreement between both the parties (GWES and CBIT).

IN WITNESS WHEREOF, the two parties hereto have caused this MOU to be made in English and executed by their respective duly authorized representatives on the day and the year first above written

(G.P.S.I)
Authorized Signatory

PRINCIPAL
CBIT (A), HYDERABAD

For and on behalf of MLCU

(P. Jid Chawla)
Authorized Signatory

MANAGING DIRECTOR
GWES, VISAKHAPATNAM

For and on behalf of GWES

Witnesses:

1. _____
(Name & Signature)

2. T. Chawla
(Name & Signature)

Dated: 7/1/2021

Witnesses:

1. K. Paul Vani
(Name & Signature)

2. _____
(Name & Signature)