



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

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



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

3.7.2 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last five years (only functional MoUs with ongoing activities to be considered)

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S. No	Organisation with which MoU is signed	Duration	Page No.
2019-20			
1.	Regional Telecom Training Centre, BSNL	3 years	2
2.	Data Security Council of India (DSCI) and Government of Telangana	2 Years	28
3.	Rowan University(New Jersey, USA)	5 Years	58
4.	Interleaved Multidisciplinary Research Centre(IMRC)	2 Years	64
5.	National Highways Authorities of India (NHAI)	2 Years	72
6.	Research and Innovation Circle of Hyderabad (RICH)	2 Years	79
7.	Wind Stream Energy Technologies India Private Limited	3 Years	97
8.	NAVATHA SUPPLY CHAIN SOLUTIONS	2 Years	104
9.	CSIR- Indian Institute of Chemical Technology	5 Years	110
10.	Innopark Ventures	1 Year	115
11.	HIEE	3 Years	118
12.	CBIT-CARES, Centre for Solar Photovoltaic System Research	5 Years	138
13.	Hexagona capability center inc	3 years	163
14.	Wind Stream Energy Technologies India Private Limited (Wind Stream)	3 years	167
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19.	SWECHA, Hyderabad	1 Year	215

Principal

**Chaitanya Bharathi Institute of Technology
(Autonomous)**

Gandipet, Hyderabad-500 075.

Lr.No: RTTC-HYD/BD/MoUs/2019-21/19

Dated at Hyderabad the 26-03-2021

To
The Principal,
CBIT,
Gandipet,
Hyderabad-75.

Dear Sir,

Sub: Extension of MoU between CBIT and RTTC BSNL Hyderabad – Reg.

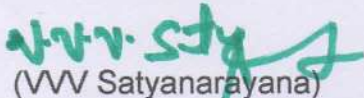
* * * * *

With reference to your letter dated 2nd March 2021 to this office on the above cited subject, this is to inform you that the competent authority has **pleased to extend the existing MoU with CBIT for a period of 2 years from 12th March 2021** with the following new provisos:

1. A minimum number of 100 CBIT students per annum have to be sent to RTTC Hyderabad for undergoing Industrial training programmes such as Internship / In plant / Main projects / Mini Projects / Certificate Program in latest technologies / FDPs, etc.,
2. The details of RTTC Hyderabad along with the URL link of www.rttchyd.bsnl.co.in are to be hosted in the CBIT website for the updated information to the students and the faculty members

Looking forward to strengthening the CBIT and BSNL RTTC Hyderabad relations for mutual benefit.

Kind Regards,



(V.V. Satyanarayana)
Asst. General Manager,
Regional Telecom Training Centre,
BSNL, Gachibowli, Hyderabad-32
9441262300



MEMORANDUM OF UNDERSTANDING

BETWEEN

REGIONAL TELECOM TRAINING
CENTRE, HYDERABAD

under

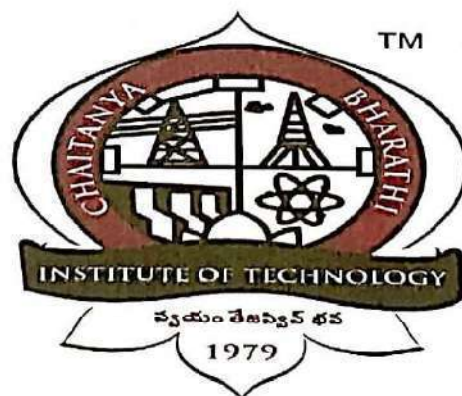
BHARAT SANCHAR NIGAM LTD



RTTC HYD

AND

CHAITANYA BHARATHI INSTITUTE OF
TECHNOLOGY (A), HYDERABAD



FOR OFFERING TRAINING IN
TELECOM TECHNOLOGIES

MEMORANDUM OF UNDERSTANDING

Preamble

Through this MOU, RTTC Hyderabad, a training centre of BHARAT SANCHAR NIGAM LIMITED and M/S CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, intend to impart training courses in the area of Telecommunications & Information Technology.

This MEMORANDUM OF UNDERSTANDINGS ("MOU") is made on 12th of March 2020.

Between

RTTC Hyderabad, a training centre of BHARAT SANCHAR NIGAM LIMITED, headed by Sri P.V.V.V.Prasada Rao, Principal General Manager & Principal of RTTC, Hyderabad (Herein referred to as RTTC which expression shall unless repugnant to the context of meaning thereof includes its successors and permitted assignees) of the FIRST PART.

AND

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, established in the Year 1979, esteemed as the Premier Engineering Institute in the States of Telangana and Andhra Pradesh (Herein referred to as CBIT which expression shall unless repugnant to the context of meaning thereof includes its successors and permitted assignees) of the SECOND PART.

The parties are individually referred as 'Party' and collectively referred to as 'Parties'.

WHERE AS

BSNL is a State-owned company engaged in providing all Telecom Solutions through its network all across the country except at Delhi & Mumbai. BSNL is having its dedicated training infrastructure consisting of ALTTC Ghaziabad BRBRAITT Jabalpur, NATFM Hyderabad and various other RTTCs/CTTCs/DTTCs.

RTTC, Hyderabad is a fully standards-compliant Training Center, established by BSNL to impart training in Latest Telecom Technologies and Information Technology to its employees all over India. It is also providing value-added Certification Courses and Major/Mini projects to B.Tech/B.E/MCA students in ECE and CSE/IT, coming from various Engineering Colleges within and outside Telangana/Andhra Pradesh.

PURPOSE

1. This MOU is the statement of intent between both the above-mentioned parties with an idea to conduct the telecom technical training programmes as per the Annexure by RTTC, HYDERABAD for students of M/s CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, HYDERABAD.
2. All contractual terms (including but not limited to those relating to ownership of intellectual property rights, licensing and the right to use materials) shall be agreed by the parties prior to undertaking specific projects as referred to herein.

Terms and Conditions: -

1. The charges for the trainings offered by RTTC Hyderabad for the students of M/s CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY will be as per the approved rates of CGM, BSNL, Telangana Circle, Hyderabad.
2. M/s CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY has to submit the necessary details of the trainees and the payment of the charges in advance.
3. This MOU is valid for a period of one (1) year from the date of signing the agreement and can be extended with mutual consent for one more year at the same discount rates and conditions. The MOU may be amended at any time on the mutual agreeable terms and conditions of both the parties. However, the parties agree that this MOU can be terminated by either of the parties on an advance written notice of three months to the other party. The expiry or termination of this MOU shall not impact on any specific agreement in force which should continue up to its normal expiry.

4. FORCE MAJEURE

The Parties shall not be liable for any failure to perform any of its obligations under this MOU. If the performance is prevented, hindered or delayed, by a Force Majeure event like strike, bundh, natural calamity etc and in such case its obligations shall be suspended for so long as the Force Majeure Event continues (provided that this shall not prevent the accrual of interest on a principal amount which would have been payable but for this provision). Each party shall promptly inform the other of the existence of Force Majeure Event and shall consult together to find a mutually acceptable solution.

8. COMPLIANCE OF LAWS

RTTC and CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY shall perform their duties in strict compliance with all applicable laws in India along with rules and regulations of duly constituted Govt. authorities in India and shall obtain all licenses, restrictions or other approval, if any, required by laws in India in connection with the services to be rendered hereunder.

9. NOTICE-

- a. Unless otherwise provided herein, all notices or other communications under or in connection with this MOU shall be given in writing and may be sent by personal delivery. The address referred to herein above are:

If to BSNL

Kind Attn: Divisional Engineer (Admn)
Regional Telecom Training Center
Gachibowli, Hyderabad-500032

Attn. Sri VVV.SATYANARAYANA

Mail:- bsnlrttchyd@gmail.com

Fax:- 040-23000229.

If to M/s CBIT.

Kind Attn: Principal, CBIT

Gandipet, Hyderabad - 500075

Attn:- Dr. P. Ravinder Reddy

Mail:- principal@cbit.ac.in

Ph No.: 8466997201

b. This MOU constitutes the entire agreement between the Parties with respect to the subject matter hereof and supersedes all prior written agreements, understandings and negotiations, both written and oral between the parties with respect to the subject matter of this MOU. No representation, inducement, promise, understanding, condition, warranty or indemnity not set forth herein has been made or rolled upon by any Party hereto.

10. ARBITRATION

In the event of any dispute, controversy, or difference arising out of or relating to this agreement, or the breach, termination or invalidity thereof, between the parties, such party or parties shall make a request to the other party or parties to amicably settle such difference or dispute and parties shall thereupon make every effort to settle the same amicably within a period of sixty days from the date of making such request, failing which such dispute, difference, controversy finally settled by arbitration in accordance with the Arbitration and Reconciliation Act, 1996, at present in force, by three arbitrators. Each party shall appoint one arbitrator. The two arbitrators thus appointed shall choose the third arbitrator who will act as the presiding arbitrator of the Arbitration Tribunal. The arbitration shall be conducted in English language. The place of Arbitration shall be Hyderabad. The agreement shall be governed by and construed in accordance with the Laws of India.

11. CONFIDENTIALITY

11.1 The parties agree to keep in the strictest confidence and not disclose to any third party or use for any purpose (other than in connection with this MOU) any information relating to the other's business which is marked 'confidential' or is clearly by its nature confidential without the disclosing party's written consent. Each of the parties may disclose the other's confidential information to our employees, agents, contractors and professional advisors on a need to know basis and to others having a legal right or duty to know that information.

11.2 The obligations in Clause 11.1 shall not apply to information which is or comes into the public domain disclosure or required to be disclosed, by official authority in accordance with the applicable laws has been disclosed pursuant to the requirements of law or court order without restrictions or other protection against public disclosure; provided, however, that the other party

For M/s CBIT

(Signature)

(Dr. P. Ravinder Reddy),
Principal, CBIT,
Gandipet, Hyderabad.

Date: 12.03.2020
Principal

Chaitanya Bharathi Institute of Technology

(Autonomous)
Witness Signature Name,
Gandipet, Hyderabad
Address and Occupation.

- 1) *(Signature)*
12/03/2020
Cdr. D. Krishna Reddy
Prof & Head, ECE Dept
2) CBIT, Gandipet, Hyd.
- 2) *(Signature)*
12/3/2020
G. Mallikharjuna Rao
Asst prof, Dept of ECE
Gandipet, Hyd - 75

For BSNL

(Signature)
(VVV.SATYANARAYANA)
Divisional Engineer (Admn)
O/o Principal, RTTC, Hyderabad.

Date: 12.03.2020
Divisional Engineer (Admn)

Witness Signature, Name,
Address and Occupation.

- 1) *(Signature)*
12/03/2020
SDE (BD) RTTC, HO.
- 2) *(Signature)*
R. Prashant
J-T/O (BD) - RTTC
Hyd.



Bharat Sanchar Nigam Limited
(A Government of India Enterprise)
Office of the Principal, Regional Telecom. Training Centre,
Gachibowli, Hyderabad – 500 032
(An Institute certified to ISO 9001:2008)
Ph:040-23000232 (o), Fax 040-23000229, Email: rttchyd@bsnl.co.in,
Web: www.rttchyd.bsnl.co.in

ANNEXURE

Sub:- Trainings to the Engineering students/Graduates for Improving their employability skills in Telecommunication sector - Reg.

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1. B.Tech and Diploma in ECE / ETE / CSE/ IT education is broad based and students do not have specific skills required for the different sectors of the industry, as they are not exposed to the technologies and equipment in use.
2. With the burgeoning growth that is being experienced in the Telecom sector, there is requirement of manpower to plan, install, operate and maintain the Telecom networks. The Telecom networks could be fixed access landline - voice and broadband,, Data networks, Optical fibre local access and back-haul networks and 4G/5G Wireless Technologies . Further the Telecom professional has to keep abreast of Next generation Technologies and specific skills are required for each of these areas and activities encompassing Technology, Commercial, marketing, sales and customer service aspects.
3. Keeping this in mind, BSNL has designed and is offering customized training programs to the engineering students, fresh engineering graduates / experience persons to acquire the knowledge and skills for specific activities so that they possess employable skills from day one.
4. Inplant / Vocational / Industrial training courses are conducted at all district head quarters and some are conducted at our centralized state training center, i.e Regional Telecom Training Centre, Gachibowli, Hyderabad.
5. Industrial Visits are conducted at Regional Telecom Training Centre, Gachibowli, Hyderabad.
6. We are having excellent lab facilities where students can undergo hands-on practice.
7. We offer faculty development training programs on latest telecom technologies
8. RTTC Hyderabad is offering the following training courses.
 - a. For Engineering students:-
 - i. In-plant /Industrial training for 18 Hr/ 36 Hr/ 54 Hrs programs to the II & III year B.Tech students to familiarize the fields of Communications and to give overview of all fields so as to enable them to choose a project area in third year of engineering and gain expertise in a selected field of their choice.
 - ii. Mini Projects to III Year B.Tech students in Telecommunications field at RTTC, Hyderabad .
 - iii. Major Projects to IV Year B.Tech students in Telecommunications field at RTTC, Hyderabad.
 - iv. Intern ship (2/3/4 weeks) courses for the III & IV year engineering students in the following fields.
 1. **Optical Fibre Communications:-** Including SDH / DWDM / FTTH / GPON/ OTN Technologies, etc.

2. **Broadband, Networking and Latest Datacom Techniques :-** WiFi, Wimax Advanced concepts in Networking using IPv6, VOIP, MPLS, MPLS VPN Technologies, CCNA/CCNP level trainings, etc.
 3. **CSE / IT:** Cyber security, Block chain Technologies, IOT, Python, Core & Advanced Java, MySQL, Android, Spring framework, etc.
 4. **Mobile Communications:-** 4G / 5G wireless standards, RF planning and Optimisation, RF Drive testing, Core Network technologies, etc.
 5. **Electronic Switching** and NGN Technologies, with latest signaling techniques like CCS7, VoIP, SIP, SIGTRAN, IMS, etc.
- b. Classes on advanced subjects like Block chain Technologies, Cyber Security, IPv6, SIP, MPLS VPN, FTTH, GPON etc., for the students who have selected these topics as elective in UG/ PG courses.
- c. For fresh engineering graduates and persons with some experience we are conducting the following certified courses at RTTC, Hyderabad, which will be quite helpful especially for the students willing to pursue higher education in abroad .
- i. BSNL Certified GSM RF Engineer course for 5 weeks (4 weeks in-house training of theory and practicals and 1 week on-site training) for the engineering graduates.
 - ii. BSNL Certified Optical Fibre Communication Engineer course for 4 weeks for Engineering candidates.
 - iii. BSNL Certified Network Engineer course for 4 weeks for Engineering candidates.

(For further details like Course fee, brochures, etc, please visit our website www.rttyhd.bsnl.co.in or mail to bsnlrttyhd@gmail.com)


Asst. General Manager (Admin) 12/03/2022
Regional Telecom Training Centre,
B.S.N.L., Gachibowli,
Hyderabad-32.
 విద్యుత్ సంస్థానం (పరిపాలన)
 డివిజనల్ ఇంజనీర్ (ఆర్ఎన్) (ఆర్ఎన్)
 విద్యుత్ సంస్థానం ఆఫ్ ఆర్ఎన్
 O/o SENIOR PRINCIPAL
 బి.కె.సి.సి. ఆఫ్ సి.సి.సి. హైదరాబాద్ - 32
 R.T.T.C., B.S.N.L., HYD - 32

Certificate Number

RHYTMNB1742-2022-79390101

RHYTMNB1742-2022-79390101



Bharat Sanchar Nigam Limited

(A Govt. of India Enterprise)

Regional Telecom Training Centre

Erragadda, Hyderabad - 500 018

Phone: 040-23000172 / 233

Web site: www.rttyhd.bsnl.co.in



CERTIFICATE

This is to certify

GURRAM BALAJI

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001

Certificate Number

RHYTMNB1742-2022-79390120

RHYTMNB1742-2022-79390120



Bharat Sanchar Nigam Limited

(A Govt. of India Enterprise)

Regional Telecom Training Centre

Erragadda, Hyderabad - 500 018

Phone: 040-23000172 / 233

Web site: www.rttyhd.bsnl.co.in



CERTIFICATE

This is to certify

MALOJI.PRAVALLIKA

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001

Certificate Number

RHYTMNB1742-2022-7939085

RHYTMNB1742-2022-7939085



Bharat Sanchar Nigam Limited

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Erragadda, Hyderabad - 500 018
Phone: 040-23000172 / 233
Web site: www.rttyhd.bsnl.co.in



CERTIFICATE

This is to certify

AKHILA KADARI

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001

Certificate Number

RHYTMNB1742-2022-79390141

RHYTMNB1742-2022-79390141



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Erragadda, Hyderabad - 500 018

Phone: 040-23000172 / 233

Web site: www.rttyhd.bsnl.co.in



CERTIFICATE

This is to certify

PANDITH KULKARNI

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001

Certificate Number

RHYTMNB1742-2022-79390103

RHYTMNB1742-2022-79390103



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Erragadda, Hyderabad - 500 018

Phone: 040-23000172 / 233

Web site: www.rttyhd.bsnl.co.in



CERTIFICATE

This is to certify

JAHNAVI EPPALA

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001

Certificate Number

RHYTMNB1742-2022-79390116

RHYTMNB1742-2022-79390116



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Phone: 040-23000172 / 233

Web site: www.rttyhd.bsnl.co.in



CERTIFICATE

This is to certify

MOIGARI CHARAN KUMAR

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001

Certificate Number

RHYTMNB1742-2022-79390117

RHYTMNB1742-2022-79390117



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Web site: www.rttyhd.bsnl.co.in



CERTIFICATE

This is to certify

MUCCHU SAI CHARAN

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001

Certificate Number

RHYTMNB1742-2022-7939094

RHYTMNB1742-2022-7939094



Bharat Sanchar Nigam Limited

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Regional Telecom Training Centre

Erragadda, Hyderabad - 500 018

Phone: 040-23000172 / 233

Web site: www.rttyhd.bsnl.co.in



CERTIFICATE

This is to certify

DEVI SREE KAILASH

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001

Certificate Number

RHYTMNB1742-2022-7939090

RHYTMNB1742-2022-7939090



Bharat Sanchar Nigam Limited

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Regional Telecom Training Centre

Erragadda, Hyderabad - 500 018

Phone: 040-23000172 / 233

Web site: www.rttyhd.bsnl.co.in



CERTIFICATE

This is to certify

BOPPARAPU SAI CHANDRA PRASAD

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001

Certificate Number

RHYTMNB1742-2022-7939078

RHYTMNB1742-2022-7939078



Bharat Sanchar Nigam Limited

(A Govt. of India Enterprise)

Regional Telecom Training Centre

Erragadda, Hyderabad - 500 018

Phone: 040-23000172 / 233

Web site: www.rttyhd.bsnl.co.in



CERTIFICATE

This is to certify

AISHWARYA KONDAPARTHI

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001

Certificate Number

RHYTMNB1742-2022-7939089

RHYTMNB1742-2022-7939089



Bharat Sanchar Nigam Limited

(A Govt. of India Enterprise)

Regional Telecom Training Centre

Erragadda, Hyderabad - 500 018

Phone: 040-23000172 / 233

Web site: www.rttyhd.bsnl.co.in



CERTIFICATE

This is to certify

BOLLU SRIKANTH

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001

Certificate Number

RHYTMNB1742-2022-7939083

RHYTMNB1742-2022-7939083



Bharat Sanchar Nigam Limited

(A Govt. of India Enterprise)

Regional Telecom Training Centre



Erragadda, Hyderabad - 500 018

Phone: 040-23000172 / 233

Web site: www.rttyhd.bsnl.co.in

CERTIFICATE

This is to certify

ARDHANOOR CHARAN SAI

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001

Certificate Number

RHYTMNB1742-2022-7939095

RHYTMNB1742-2022-7939095



Bharat Sanchar Nigam Limited

(A Govt. of India Enterprise)

Regional Telecom Training Centre

Erragadda, Hyderabad - 500 018

Phone: 040-23000172 / 233

Web site: www.rttyhd.bsnl.co.in



CERTIFICATE

This is to certify

EMMADI NITHINKUMAR

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001

Certificate Number

RHYTMNB1742-2022-7939098

RHYTMNB1742-2022-7939098



Bharat Sanchar Nigam Limited

(A Govt. of India Enterprise)

Regional Telecom Training Centre

Erragadda, Hyderabad - 500 018

Phone: 040-23000172 / 233

Web site: www.rttyhd.bsnl.co.in



CERTIFICATE

This is to certify

JILAKARI CHAITANYA

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001

Certificate Number

RHYTMNB1742-2022-79390119

RHYTMNB1742-2022-79390119



Bharat Sanchar Nigam Limited

(A Govt. of India Enterprise)

Regional Telecom Training Centre

Erragadda, Hyderabad - 500 018

Phone: 040-23000172 / 233

Web site: www.rttyhd.bsnl.co.in



CERTIFICATE

This is to certify

POOJITHA REDDY

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001

Certificate Number

RHYTMNB1742-2022-79390139

RHYTMNB1742-2022-79390139



Bharat Sanchar Nigam Limited

(A Govt. of India Enterprise)

Regional Telecom Training Centre

Erragadda, Hyderabad - 500 018

Phone: 040-23000172 / 233

Web site: www.rttyhd.bsnl.co.in



CERTIFICATE

This is to certify

NISHANTH JADA

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001

Certificate Number

RHYTMNB1742-2022-79390124

RHYTMNB1742-2022-79390124



Bharat Sanchar Nigam Limited

(A Govt. of India Enterprise)

Regional Telecom Training Centre

Erragadda, Hyderabad - 500 018

Phone: 040-23000172 / 233

Web site: www.rttyhd.bsnl.co.in



CERTIFICATE

This is to certify

RALLABHANDI S M A SRIDATTA

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001

Certificate Number

RHYTMNB1742-2022-7939083

RHYTMNB1742-2022-7939083



Bharat Sanchar Nigam Limited

(A Govt. of India Enterprise)

Regional Telecom Training Centre

Erragadda, Hyderabad - 500 018

Phone: 040-23000172 / 233

Web site: www.rttyhd.bsnl.co.in



CERTIFICATE

This is to certify

ARDHANOOR CHARAN SAI

has completed successfully the following course conducted by
Bharat Sanchar Nigam Limited

Name of the course : **ONLINE INTERNSHIP TRAINING-ECE-2WEEKS**
Commencing Date : **16-08-22**
Completion Date : **27-08-22**

(SATYANARAYANA V V V)
Dep. General Manager (DGM)

Dated : 27-08-22

Course Code : RHYTMNB1742 Course Schedule Code : RHYTMNB1742-2022-7939
Registered & Corporate Office: Bharat Sanchar Bhavan, H.C. Mathur Lane, Janpath, New Delhi-110 001



20th Jun 2022

PROJECT COMPLETION CERTIFICATE

This is to certify that Mr Kukkadapu Prudhvi Raj Singh Trainee ID 40107009 student of “Chaitanya Bharathi Institute of Technology, Hyderabad” has completed the project entitled “JAVA/ J2EE” under the guidance of “Sureka Rajeshwari” from 21st Feb 2022 to 20th Jun 2022 at Hyderabad for the academic requirements of his graduation.

We have observed that your work was excellent and we appreciate your sincere learning. You have performed the project with energy and enthusiasm. This letter is issued based on your request.

We wish you all the very best in your career ahead!

Yours sincerely,
For **Wipro Limited**,

A handwritten signature in black ink, which appears to read "Aparna Shailen". The signature is written in a cursive style and is positioned above a horizontal line.

Aparna Shailen
General Manager - Human Resources

Registered Office:

Wipro Limited T : +91 (80) 2844 0011
Doddakannelli F : +91 (80) 2844 0054
Sarjapur Road E : info@wipro.com
Bengaluru 560 035 W : wipro.com
India C : L32102KA1945PLC020800

A stylized world map graphic composed of small dots, located in the bottom right corner of the page. The dots are colored in various shades of blue, green, and yellow, representing different continents and countries.

40107009

MEMORANDUM OF UNDERSTANDING (MoU)
Between
CYBERSECURITY CENTRE OF EXCELLENCE, TELANGANA
and
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY



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

This Memorandum of Understanding ("MoU") is entered into and executed on **5th Day of March 2020**, at Hyderabad.

By and between:

Data Security Council of India (DSCI), having CIN U74120DL2008NPL182363, having registered office at PLOT NO. 62 BASEMENT, POCKET - 2, JASOLA NEW DELHI South Delhi, acting through Cybersecurity Center of Excellence situated at 1203-A, 12th Floor, Manjeera Trinity Corporate, Kukatpally, Hyderabad - 500 072, India hereinafter referred to as "CCoE" which expression shall unless repugnant to the context or meaning thereof include its successors and permitted assigns

And

Chaitanya Bharathi Institute Of Technology was established in the Year 1979, esteemed as the Premier Engineering Institute in the States of Telangana and Andhra Pradesh, having its registered office at Gandipet, Hyderabad, Telangana - 500075(hereinafter referred as "CBIT") which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its administrators, successors or assignees as the case may be.


CCoE and CBIT shall be hereafter individually referred to as 'Party' and collectively as 'Parties'.

WHEREAS CCoE is a joint initiative of DSCI and Government of Telangana. CCoE endeavors to build a sustainable cybersecurity and privacy industry development by creating a conducive cybersecurity ecosystem which nurtures innovation, entrepreneurship and capability building. The CCoE is a hive of activity for organizations, departments, entrepreneurs, professionals and students engaged in this domain. The CCoE aims to provide a secure and resilient cyberspace to fulfil the needs of the digital economy and society by creating a GLOCAL cluster of Cybersecurity organizations in Telangana. The CCoE fosters incubation, innovation, expertise and collaboration in the twin areas of Cybersecurity and Privacy. DSCI is a not-for-profit company registered under Section 25 of the Companies Act 1956 (now section 8 of Companies Act 2013) and is an industry body on data protection in India, setup by NASSCOM®, committed to making the cyberspace safe, secure and trusted by establishing best practices, standards and initiatives in cyber security and privacy.

WHEREAS CBIT is

Chaitanya Bharathi Institute of Technology, **NIRF** Ranked **100** in the Country and only one Private Institute in Telangana State is Affiliated to Osmania University and Accredited by **NBA**, **AICTE**, Granted **Autonomous** Status by **UGC**, **NAAC** with "**A**" Grade, was established in the **Year 1979**.

The Institute is Ranked 50 out of the Top 100 Engineering Colleges in the Country including IITs and NITs and 1st in Telangana State and **13th** among the Top Private Engineering Colleges in India and **10th** among the Top Private Engineering Colleges in South Zone by "**THE WEEK**" Magazine of **June 2019** Edition. **36th** out of **top**



100 Engineering Colleges in the country and first in Telangana State source “**OUT LOOK**” Magazine **June 2019** edition.

Total No of Students Placed from 2000 onwards **15284** in leading MNCs, Microsoft, Google, JPMC, Oracle, Amazon, Deloitte, ITC, HUL, HIL, MRF, Dr.Reddy’s, Aurobindo, Hetero, CTS, Infosys, Accenture, TCS, Wipro, Capgemini, Sirpur Paper Mills & Orient Cement.

An **ISO 9001-2015**, Certified for all **9 UG** Courses and **10 PG** Courses, has the Ecosystem at the Institute which supports Research, Consultancy and Start-Ups for Innovations through Incubations, In House Research Fund/Grant, Incentives to encourage Research pursuits and Collaborative Research in strategic association with Foreign Universities, Industry Research Institutions with **13 patents** published so far supported by **300** experienced Faculty of which **128 are Ph Ds**.

CBIT(A) is involved in Development of an **Artificial Heart** in collaboration with SHARE India / Pittsburg university and Cornell University of USA, **DRDO - RCI CARS** project & **ISRO IRNSS** project.

CBIT(A) established Automation Anywhere University **Robotic Process Automation (COE)** with 40 licenses worth Rs. 50 Lakhs, **Hexagon 3D Innovation Lab** with softwares worth Rs. 7 Crores & **Cognizant innovation lab** worth Rs 6 Lakhs.

CCoE and **CBIT** have caused this MoU to be executed by their respective authorized representatives as set forth below as per the terms and conditions hereinafter recorded.

CCoE	CBIT
By: Chief Executive Officer, CCoE	By: Principal, CBIT
Print Name: Dr. Sriram Birudavolu	Print Name: Dr. P. Ravinder Reddy
Title: Chief Executive Officer	Title: Principal
Date: 5th March 2020	Date: 5th March 2020

1. PURPOSE

The purpose of the MoU is to establish that CCoE and CBIT will jointly collaborate for mutual benefit of both the organizations. The areas of collaboration will be research, innovation, incubation, marketing, hackathons, corporate innovation and training programs. The scope of each activity under the identified areas of collaboration along with Roles & Responsibilities, Time lines and Financial Commitment will be discussed and decided separately within three months period from the date of signing MoU through a formal approval / acceptance to that effect for the works / services has been accorded through signed documents by CBIT and DSCI prior to starting the work.




2. FINANCIAL ASPECTS

- 2.1. No financial commitment from any party will be assumed unless a formal approval/ acceptance to that effect for the works/ services has been accorded through signed documents by CBIT and CCoE prior to starting of work.
- 2.2. All payments will be made through mutually accepted mode.

3. CONFIDENTIALITY AND NON-DISCLOSURE

- 3.1. Any software/hardware material, product specifications, designs, financials, information, documents shall be deemed to be in private domain and it shall not be made public or shared with any other party without the prior written consent of the party which owns it. The material shall be treated as confidential for a minimum period of two years after this MoU comes to an end or as agreed from time to time in writing.
- 3.2. In the event of any of the parties becoming legally compelled to disclose any confidential information, such party shall give sufficient notice to the other party so as to enable the other party to seek a timely protective order or any other as appropriate relief. If such an order or other relief cannot be obtained, the party being required to make such a disclosure shall make the disclosure of the confidential information only to the extent that is legally required of it and no further.

4. TERM & TERMINATION

This MoU is valid for a period of 3 years from the date of signing of MoU. If further extensions are required, it shall be by mutual consent of the parties in writing.

This MoU may be terminated by either party at any time by giving 10 days prior notice to the other party. Further, either party may also terminate this Agreement with immediate effect upon written notice to the other party if it reasonably believes that its performance, or any aspect of it, results, or might result a breach or violation of any legal, regulatory, ethical or audit independence requirement in any jurisdiction.

5. DISPUTE Resolution

- 5.1. Amicable Settlement: This MoU is based on the immediate benefits and on developing and enduring relationships serving and safeguarding the commercial interests as well as the standing of the parties. Hence the Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Memorandum of Understanding or interpretation thereof.
- 5.2. Dispute Settlement: If any Dispute is not resolved by mutual negotiations within the period of 30 days, then the dispute shall be referred to the arbitrator mutually appointed by both the parties. The arbitral award shall be in writing and shall be final and binding on each Party. The Arbitration Proceedings shall be held at Hyderabad. The Arbitration Proceedings shall be in English language only. The Arbitration and Conciliation Act, 1996 and the rules there under or any statutory modification or' reenactment thereto

 4

or thereof for the time being in force will be applicable to the proceedings. The Courts in Hyderabad shall only have jurisdiction to try, entertain and decide the litigation arising out of the MoU, which is not covered within the ambit of Arbitration.

6. 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.

7. 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.

8. SEVERABILITY

The invalidity or unenforceability of any provision of this MoU shall not affect the validity or enforceability of any other provision of this MoU that shall continue in full force and effect except for any such invalid and unenforceable provision.

9. MODIFICATION

No modification to this MoU, will be effective unless agreed to in writing by both Parties and duly signed by the authorized signatories of the Parties.

10. NOTICES

All notices required or permitted to be given hereunder shall be in writing, shall make reference to this MoU, and shall be delivered by hand, or dispatched by prepaid air courier or by registered or certified airmail, postage prepaid, addressed to the other Party's address as stipulated on the first page of this MoU.

The address for notices to the respective parties shall be:

For CCoE: Cybersecurity Centre of Excellence, DSCI, 1203-A, 12th Floor, Manjeera Trinity Corporate, Kukatpally, Hyderabad - 500 072	For CBIT: Chaitanya Bharathi Institute Of Technology, Gandipet, Hyderabad, Telangana - 500075
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11. COUNTERPARTS:

This MoU may be executed in two counterparts, and each counterpart shall constitute an original instrument, and both the counterparts together shall constitute the same instrument.

12. LIMITATION OF LIABILITY

In no event will CBIT or CCoE be liable to the other party for any incidental, consequential, special and exemplary or direct 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, if it is unintentional and beyond reasonable control.



13. NO PARTNERSHIP

Nothing in this MoU shall be deemed to either 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.

14. HEADINGS

The headings shall not limit, alter or affect the meaning of the Clauses headed by them and are solely for the purpose of easy reference.

15. 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 terms of this MoU.

16. GOVERNED BY THE LAW

This MoU shall be governed by the laws of India.

17. INDEMNIFICATION

Either party shall keep other party, its affiliates, shareholders, officers, directors, employees, agents, representatives, and customers indemnified and harmless from and against any and all costs, liabilities, losses, and expenses (including, but not limited to, reasonable fees of attorney arising out of any claim, suit, action or proceeding (each, an "Action"), for any act(s) and omissions of such party under any proposal(s) to Prospective client(s) or any resulting contract(s) therefrom or any incidental matter or in any way arising therefrom.

IN WITNESS WHEREOF, the parties hereto have caused this MoU to be signed in their respective names on this date **5th March 2020**.

**Cybersecurity Centre of Excellence, Chaitanya Bharathi Institute Of Technology
Telangana**


Authorized Signatory

Name: Dr. Sriram Birudavolu
Designation: Chief Executive Officer, CCoE

Date: 05/3/2020


Authorized Signatory

Name: Dr. P. Ravinder Reddy
Designation: Principal

Date: 05.03.2020

Witnesses

Signature: 

Name: Arundha Lakshmi

Designation: BDM

Signature: 

Name: Dr. M. Swamy Das

Designation: Prof. & Head, CS& Dept
CBIT

DSCI

1. Cyber Security Readiness during Covid-19 pandemic scenario on 07 May 2020, Time: 1300 Hrs - 1500 Hrs

Total =95, Students =87, Faculties =8

2. Webinar on Careers in Cyber Security by DSCI on 16th May 2020, 11:30 a.m. to 1:00 p.m.

Total= 45, 32 students and 13 faculties have attended the webinar.

3. India Cybersecurity Services Landscape by DSCI(May 21, 2020 , 11:00 - 13:00 Hrs,)

Total =13,9 students and 4 faculties

4. DSCI Webinar on Payment Security Charting the path ahead Jun 22, 2020 at 12:04 PM

Total 29 participants, 26 students and 3 faculties

Total=182 participants(154 students and 28 faculties)

Timestamp	Semester	Name	Roll No
5/7/2020 15:43:32	2nd Sem C3	N.chitanya	1.6012E+11
5/7/2020 15:10:01	4/4 2nd Sem C3	Anitha Ramatenki	1.6012E+11
5/7/2020 13:25:43	2nd Sem C3	PARDHA SARADHI B	1.6012E+11
5/7/2020 13:30:19	2nd Sem C3	Srihitha Reddy Talusar	1.6012E+11
5/7/2020 13:27:56	2nd Sem C3	Charan Bhavaraju	1.6012E+11
5/7/2020 13:28:40	2nd Sem C3	Ankitha. V	1.6012E+11
5/7/2020 15:32:36	2nd Sem C3	Soma Pavani	1.6012E+11
5/7/2020 13:33:56	2nd Sem C3	Shivani sarikonda	1.6012E+11
5/7/2020 13:29:08	2nd Sem C3	Pranathi Kodicherla	1.6012E+11
5/7/2020 13:29:20	2nd Sem C3	Meghana Marampally	1.6012E+11
5/7/2020 13:30:11	2nd Sem C3	Juwairiyah	1.6012E+11
5/7/2020 13:30:38	2nd Sem C3	S.Akshitha	1601-19-733-123
5/7/2020 13:32:56	2nd Sem C3	N.HARIKA	1.6012E+11
5/7/2020 13:31:38	2nd Sem C3	Preethi Byra	1.6012E+11
5/7/2020 13:31:45	2nd Sem C3	Manasa Maliki Reddy	1.6012E+11
5/7/2020 13:32:17	2nd Sem C3	N. Sahithya	1.6012E+11
5/7/2020 13:32:31	2nd Sem C3	Subiya Maheen	1.6012E+11
5/7/2020 13:33:09	2nd Sem C3	Shreya Bhattacharyya	1.6012E+11
5/7/2020 13:34:15	2nd Sem C3	D.Hyndavi	1601-19-733-128
5/7/2020 13:34:30	2nd Sem C3	Arun	1.6012E+11
5/7/2020 13:34:39	2nd Sem C3	K.Pooja Reddy	1.6012E+11
5/7/2020 15:27:25	2nd Sem C3	M.Sahith Reddy	1.6012E+11
5/7/2020 13:35:48	2nd Sem C3	C.Hrudya	1.6012E+11
5/7/2020 13:36:01	2nd Sem C3	Dasari Ravinder Kaver	1.6012E+11
5/7/2020 13:37:45	2nd Sem C3	KOMMA SHASHANK	1.6012E+11
5/7/2020 13:38:46	2nd Sem C3	K. Akanksha	1.6012E+11
5/7/2020 13:39:31	2nd Sem C2	Ravitej Rangineni	1.6012E+11
5/7/2020 13:46:47	2nd Sem C3	V.Nanditha	1.6012E+11
5/7/2020 13:50:13	2nd Sem C3	K.Yashwanth	1.6012E+11
5/7/2020 13:52:09	2nd Sem C3	Bodalapalle Pavan Sai	1601-19-733-158
5/7/2020 13:53:02	2nd Sem C3	Revanth Sai	1.6012E+11
5/7/2020 13:54:53	2nd Sem C3	Mohammed Zubair	1.6012E+11
5/7/2020 14:12:51	2nd Sem C3	karthik Y.S.P	1.6012E+11
5/7/2020 14:12:54	2nd Sem C3	Prashanth kumar Madr	1.6012E+11
5/7/2020 15:03:59	2nd Sem C1	Shaik Mujeeb	1601-18-742-011
5/7/2020 15:09:13	2nd Sem C1	Srinuvas	1.6012E+11
5/7/2020 15:10:45	2nd Sem C1	Sapavath Gopi Naik	1601-19-742-013
5/7/2020 15:13:40	2nd Sem C1	K srikanth	1.6012E+11
5/7/2020 15:17:55	4/4 2nd Sem C3	Naureen Fathima	1.6012E+11
5/7/2020 15:23:20	2nd Sem C1	Samyuktha m	1601-19-742-016
5/7/2020 15:25:23	4th Sem C3	Asrar Hussain	1.60119E+11
5/7/2020 15:25:27	4th Sem C3	Yasaswini Ummadi	1.60119E+11
5/7/2020 15:26:26	4th Sem C3	Reecha Pulichintha	1.60119E+11
5/7/2020 15:26:06	2nd Sem C3	PANASA SAI PAVAN	1.60119E+11
5/7/2020 15:33:43	2nd Sem C3	Praneetha Vemula	1.6012E+11
5/7/2020 15:27:51	2nd Sem C1	Sucharitha ache	1.6012E+11
5/7/2020 21:41:49	4th Sem C3	Paras Phull	1.60119E+11
5/7/2020 15:28:54	2nd Sem C3	Garaga jahnvi	1.60119E+11
5/7/2020 15:30:05	4th Sem C3	K Sanjana Reddy	1.60119E+11
5/7/2020 15:35:22	4th Sem C3	L.H.Sanjana	1.60119E+11
5/7/2020 15:32:00	4th Sem C3	Ranganath Venkata M	1.60119E+11
5/7/2020 15:38:53	2nd Sem C3	Srijinesh Alanka	1601-19-733-173
5/7/2020 15:39:43	2nd Sem C3	shashank mothkuru	1.6012E+11

5/7/2020 15:41:32 2nd Sem C3	Rayilla Tarun	1.6012E+11
5/7/2020 15:56:35 2nd Sem C1	Shaik Abdul Azeem Fa	1.6012E+11
5/7/2020 15:58:27 4th Sem C3	Shreya	1.60119E+11
5/7/2020 16:01:22 4/4 2nd Sem C3	M.Keerthi Shravani	1.6012E+11
5/7/2020 16:12:58 2nd Sem C3	Aashritha Rayala	1.6012E+11
5/7/2020 16:23:22 2nd Sem C3	P . Deva Teja	1.6012E+11
5/7/2020 16:51:33 2nd Sem C3	K.Vishal Reddy	1.6012E+11
5/7/2020 17:07:20 2nd Sem C2	REVATHI NAMBI	1.6012E+11
5/7/2020 18:48:16 6th Sem C1	Sri Sai Dyavanapally	1.60118E+11
5/7/2020 18:48:35 6th Sem C1	Vinitha	1.60118E+11
5/7/2020 18:49:04 6th Sem C1	Alekhya	1.60118E+11
5/7/2020 18:50:31 6th Sem C1	Kruthika	1.60118E+11
5/7/2020 18:53:49 6th Sem C1	Vagolu Indira Priyadar	1.60118E+11
5/7/2020 18:56:43 6th Sem C1	Sriram karthikeya	1.60118E+11
5/7/2020 18:57:18 6th Sem C1	Srinivas pavan	1.60118E+11
5/7/2020 18:59:34 6th Sem C1	G Lakshmi Anuhya	1.60118E+11
5/7/2020 19:06:42 6th Sem C1	CH.Vaishnavi	1.60118E+11
5/7/2020 19:16:59 6th Sem C1	Sravan Mudumba	1.60118E+11
5/7/2020 19:35:05 6th Sem C1	sridhar kandi	1.60118E+11
5/7/2020 20:45:03 6th Sem C1	Sairakshitha Yalamanc	1.60118E+11
5/7/2020 20:53:24 6th Sem C1	Amrutha Tiruveedhula	1.60118E+11
5/7/2020 21:05:42 4th Sem C3	G.Laya Rao	1.60119E+11
5/7/2020 21:06:00 4th Sem C3	Yashwanth reddy Vadd	1.60119E+11
5/7/2020 21:06:26 4th Sem C3	Dharam teja Mali	1.60119E+11
5/7/2020 21:13:52 4th Sem C3	R.Geetha	1.60119E+11
5/7/2020 21:19:41 4th Sem C3	Barkam Pavan Kumar	1.60119E+11
5/7/2020 21:24:41 4th Sem C3	Ashwitha Reddy Venne	1.60119E+11
5/7/2020 21:33:12 4th Sem C3	Soumya Reddy G	1.60119E+11
5/8/2020 1:27:54 6th Sem C2	Rahul	1.60117E+11

Registered(Y/N)	Attended(Y/N)	If Not registered/attend	Email Address
Yes	Yes	I registered and attende	chaitanya.k.nagulapalli
Yes	Yes	Attended	ranitha353@gmail.com
Yes	Yes	Nope	pardhasaradhi2001@gi
Yes	Yes	I've registered and atte	srihitha.reddy23@gmai
Yes	Yes	Attended	charanstar77@gmail.cc
Yes	Yes	Due to classes	ankitha.vankudothu@g
Yes	Yes	I have registered and a	somapavani05102001@
Yes	Yes	I have registered and a	shivanisrinivas9531@g
Yes	Yes	Classes and assignme	pranathik2001@gmail.c
Yes	Yes	Attended	megha171819@gmail.c
Yes	Yes	Registered	juveria.fareed17@gma
Yes	Yes	Registered and attende	akshitha1302@gmail.c
Yes	Yes	i ahve tegistered and a	nharikachowdary04@g
Yes	Yes	I have registered and a	preethibyra@gmail.com
Yes	Yes	I've registered and atte	mmanasareddy09@gr
Yes	Yes	I have registered and a	sahithyanallabothula@
Yes	Yes	I have registered and a	subiyamaheen25@gma
Yes	Yes	Registered for webinar	shreya150401@gmail.c
Yes	Yes	To get awareness	balkishandeshmukh02@
Yes	Yes	I registered	arunrayini36@gmail.co
Yes	Yes	I have registered and a	koyyapoojareddy2001@
Yes	Yes	I have registered	sahithkumarmogusala0
Yes	Yes	Attended	chowlurhrudya@gmail.
Yes	Yes	Attended	dasarikaveri21@gmail.
Yes	Yes	Attended	kommashashank@gma
Yes	Yes	Attended	akanksha.kasturi18@gi
Yes	Yes	.	rangineniravitej@gmail
Yes	Yes	I attended	nandithavelagandula3@
Yes	Yes	I attended for 45 min a	katuriyashwanth79890@
Yes	Yes	Attended	bodalapallepavansai@
Yes	Yes	attended	revanthgarigaboina@g
Yes	Yes	Registered	ugs19154_cse.mohami
Yes	Yes	registered and attende	yspkarthik@gmail.com
Yes	Yes	Due to poor network le	madhasuprashanth15@
Yes	Yes	The session was good	shaikmujeebcbt@gma
Yes	Yes	Registered & attended	vasusrinu3906@gmail.
Yes	Yes	I registered and I atten	gopinayak530@gmail.c
Yes	Yes	Attended	sri005k@gmail.com
Yes	Yes	Registered	naureenshine@gmail.c
No	Yes	Na	samyumobi@gmail.cor
Yes	Yes	I registered and attende	asrarhussain.34563@g
Yes	Yes	attended	yasaswini.unmadi@gm
Yes	Yes	Registered and attende	pulichinthareecha866@
Yes	Yes	Registered	panasasaipavan7777@
Yes	Yes	Attended	pvemula19@gmail.com
Yes	Yes	-	sucharitha.ache@gmai
Yes	Yes	Attended	paras003300@gmail.cc
Yes	Yes	Attended	garaga.jahnavi@gmail.
Yes	Yes	.	sanjanar2k1@gmail.co
Yes	Yes	I have attended the ses	lingalasanjana@gmail.c
Yes	Yes	I attended the session.	ranganathmachavaram
Yes	Yes	Registered and attende	srijinesh.alanka@gmail
Yes	Yes	i attended the meeting	mshashank2403@gma

Yes	Yes	I attended	rayillatarun@gmail.com
Yes	Yes	Registered and attended	azeemfarhan007@gmail.com
Yes	Yes	Attended	shreyaboinipally1805@gmail.com
Yes	Yes	I have registered and attended	keerthi.shravani96@gmail.com
Yes	Yes	I have attended	aashritha.rayala99@gmail.com
Yes	Yes	Attended	devateja30@gmail.com
Yes	Yes	..	kotavishal6600@gmail.com
Yes	Yes	-	revathi.nambi7991@gmail.com
Yes	Yes	.	ugs17049_cse.sri@cbit
Yes	Yes	-	yeggadisaivinitha@gmail.com
Yes	Yes	Registered and attended	ugs17002_cse.alekhya@gmail.com
Yes	Yes	-	kruthika.mamidala@gmail.com
Yes	Yes	Registered	ugs17006_cse.indira@gmail.com
Yes	Yes	Attended	ugs17055_cse.sriram@gmail.com
Yes	Yes	-	srinivaspavan05@gmail.com
Yes	Yes	Attended	ugs17010_cse.lakshmi@gmail.com
Yes	Yes	Had some network issues	ugs17022_cse.vaishnavi@gmail.com
Yes	Yes	Attended	ugs17050_cse.sri@cbit
Yes	Yes	Attended	ugs17051_cse.sridhar@gmail.com
Yes	Yes	N/A	ugs17017_cse.sairaksh@gmail.com
Yes	Yes	-	amruthaamu.pinky@gmail.com
Yes	Yes	Attended	glayarao2244@gmail.com
Yes	Yes	N/A	reddyyashwanth875@gmail.com
Yes	Yes	Registered and attended	saidharamtejamali@gmail.com
Yes	Yes	Because im interested in	geetha.rachha@gmail.com
No	Yes	I didn't know about registration	pavan161213kumar@gmail.com
Yes	Yes	Registered and attended	venna.ashwithareddy@gmail.com
Yes	Yes	.	gaddam1804@gmail.com
No	Yes	-	ugs16100_cse.rahul@gmail.com

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cbit.org.in


DSCI Webinar on Virtual panel session on Cyber Security Readiness during Covid-19 pandemic scenario


Title: Cyber Security Readiness during Covid-19 pandemic scenario


Date: 07 May 2020

Time: 1300 Hrs - 1500 Hrs

▼ Panelist: 10

EJ  E Jayakumar
Host

RA  Regin A

AS  Abhirami Subramanian


AW Abhirami Web


AN  Anil Nair

DB  Dr. Sriram Birudavolu

HT  Hariharan T

SC  SELVARAJ CHINNASAMY

SD  Subhajit Deb

SD  Sunil David



Panelist Discussed on these points:

Anil Nair(Global VP-Network Security Portfolio CISCO System)

Smart buzz for social distancing

Automation

How to handle the mental balance of people

Rammohan(Represent Startup Community)MD Digital Trust Technologies

Work from home scale is going very high:

Applied to different sectors differently

Collaboration issue

How to monitor productivity of people

How to engage people

Sharing of knowledge is very important

Decentralized approach of learning

Discussing the important issue in the call leads to Security issue reg business plan

Security Certification will be required for the products

Confidentiality and Integrity of data need to be taken care

How to enable the Trust in the Digital World

Clinical Inspection will get delayed

Subhajit Dev(Chief information Security officer Dr Reddy's Lab)

Innovation ideas came up

People facing issues of social distancing, having pass as they need to come to office

Different level of panic, stress

Give comfortable, easily accessible things to people without compromising the security

High Productive Workforce without direct Monitoring possible

Sunil David(Reginal Director-IOT)

Security at every layer is very important from Security Framework point of view

Dr.Sriram

Regulation, Industry Standard and Security Certification are becoming very important

How to open the more collaboration

How to measure SLA, Quality Audits

Social Engineering issue, Phishing attacks cases increasing much during Covid times

Basic Management of Password

Today is World Password Day-7th May : promotes better password habits

2gms covid virus affected the entire World so badly

We have to organize ourself (Agile, flexible, innovation)

Legal Advisories are there

Use Cases for innovation

Anil Nair(Global VP-Network Security Portfolio CISCO System)

When working from remote how to provide authentication

Secure place for your workplace

Bring simplest solution in collaborative manner

Create secure environment for the business

When things change there is an opportunity

Subhajit Dev(Chief information Security officer Dr Reddy's Lab)

Demand for testing have increased

Digital Health using big data analytics

Advanced Medical Technology

Medical Imaging, Tele Radiology

Pharma sector: Google class devices for inspection

Covid will surely accelerate the innovation in Health Care and Pharma

Dr.Sriram

Voice biometrics is coming as innovation

Voice biometrics-based banking system. Digital twin of real-world human being needed for digital world

Look for innovation which can be commercialized

Cyber security market is 4.3 billion dollar

Employment is -4%

Nearly 1 million jobs are there

Top Recommendation for Cyber Security

Cyber Awareness Program

Constantly Reinforce Cyber security practice: by sending mails daily

Domain of suspicious email need to be tracked

Use of AI and ML to predict Security threats are coming

Collaborate to know more

Cyber Security Architecture

Basic Security Practices need to be followed

Timestamp	Roll Number	Name	Year and Section	Registered(yes/no)
2020/05/13 7:32:14 PM GMT+5:30	160119733144	Srihitha Reddy Talusani	II SEM C3	Yes
2020/05/13 7:36:10 PM GMT+5:30	160119733158	Bodalapalle Pavan Sai	II SEM C3	Yes
2020/05/13 7:37:20 PM GMT+5:30	160119733123	Akshitha	II SEM C3	Yes
2020/05/13 7:52:15 PM GMT+5:30	177	K. V. V. Uday kiran	II SEM C3	No
2020/05/13 8:19:59 PM GMT+5:30	160119733157	Pardha Saradhi	II SEM C3	yes
2020/05/13 8:26:31 PM GMT+5:30	160118733314	Geetha	IV SEM C3	Yes
2020/05/13 8:46:30 PM GMT+5:30	160117733111	Sharath chandra	VI SEM C2	Yes
2020/05/13 8:49:13 PM GMT+5:30	160119733174	Sudheer	II SEM C3	Yes
2020/05/13 9:06:28 PM GMT+5:30	160118733125	Venna Ashwitha Reddy	IV SEM C3	Yes
2020/05/13 9:25:51 PM GMT+5:30	160118733058	SAKKARI VISHAL GOUD	IV SEM C1	No
2020/05/13 9:45:02 PM GMT+5:30	160118733052	Tarun Kumar Soni	IV SEM C1	Yes
2020/05/13 10:18:14 PM GMT+5:30	160118733168	Dachepally Saikiran	IV SEM C3	Yes
2020/05/13 10:48:59 PM GMT+5:30	160118733056	T.Vikas	IV SEM C1	No
2020/05/14 9:13:26 AM GMT+5:30	160118733164	Ranganath Machavaram	IV SEM C3	yes
2020/05/15 10:50:34 AM GMT+5:30	160119733175	Suhas Vangala	II SEM C3	Yes
2020/05/15 12:05:18 PM GMT+5:30	160119733134	Soma Pavani	II SEM C3	Yes
2020/05/15 12:15:03 PM GMT+5:30	160119733179	Chunchu Vishnu Vardhan	II SEM C3	Yes
2020/05/15 2:19:09 PM GMT+5:30	160119733129	Juwairiyyah	II SEM C3	Yes
2020/05/16 8:58:39 AM GMT+5:30	160119742003	Muggirala Keerthi Shravani	IV SEM C2	Yes
2020/05/16 9:07:11 AM GMT+5:30	160116733330	Sravan penthala	4/4 II SEM C3	No
2020/05/16 9:10:20 AM GMT+5:30	160116733125	Devika Madupu	4/4 II SEM C3	No
2020/05/16 9:12:15 AM GMT+5:30	160116733162	Omar Ahmed	4/4 II SEM C3	No

2020/05/16 9:21:26 AM GMT+5:30	160116733129	Harshitha Patel Velpula	4/4 II SEM C3	No
2020/05/16 9:23:44 AM GMT+5:30	160116733144	Addula Sravanthi	4/4 II SEM C3	No
2020/05/16 9:24:46 AM GMT+5:30	160115733171	Shanthan Rao	4/4 II SEM C3	No
2020/05/16 9:26:42 AM GMT+5:30	160116733155	Dileep Babburi	4/4 II SEM C3	Yes
2020/05/16 9:37:10 AM GMT+5:30	160116733329	Newveela	4/4 II SEM C3	Yes
2020/05/16 9:41:32 AM GMT+5:30	160118733134	Reecha Pulichintha	IV SEM C3	Yes
2020/05/16 9:42:44 AM GMT+5:30	160119733161	G.Revanth Sai	II SEM C3	Yes
2020/05/16 9:43:06 AM GMT+5:30	160116733138	Sandhya Kethavath	4/4 II SEM C3	No
2020/05/16 9:47:34 AM GMT+5:30	160116733336	P.Navya sree	4/4 II SEM C3	No
2020/05/16 9:47:50 AM GMT+5:30	160116733333	Shashikumar	4/4 II SEM C3	No
2020/05/16 9:48:13 AM GMT+5:30	123456789	P B VINAY KUMAR	4/4 II SEM C3	No
2020/05/16 9:54:17 AM GMT+5:30	160117733103	G. Pavan Praneeth	VI SEM C2	No
2020/05/16 9:54:32 AM GMT+5:30	160116733153	Lanka Avinash	4/4 II SEM C3	no
2020/05/16 9:54:55 AM GMT+5:30	160116733180	B.Yeshwanth	4/4 II SEM C3	No
2020/05/16 9:55:34 AM GMT+5:30	160117733319	Abhignya	IV SEM C2	No
2020/05/16 10:00:45 AM GMT+5:30	160115733161	Pranay Gaini	4/4 II SEM C3	No
2020/05/16 10:03:05 AM GMT+5:30	160116733334	Prabhandha	4/4 II SEM C3	No
2020/05/16 10:10:13 AM GMT+5:30	160118733175	Sidharth Sitimalle	IV SEM C3	Yes
2020/05/16 10:24:21 AM GMT+5:30	160116733335	Surigi Sadhana	4/4 II SEM C3	No
2020/05/16 10:39:00 AM GMT+5:30	160116733132	Mini Devayani	4/4 II SEM C3	No
2020/05/16 10:39:41 AM GMT+5:30	160117733093	Khushwanth	IV SEM C2	No
2020/05/16 10:42:28 AM GMT+5:30	160116733164	Navulla Praneeth	4/4 II SEM C3	Yes
2020/05/16 11:11:31 AM GMT+5:30	160116733124	Deekshitha	4/4 II SEM C3	No

2020/05/16 11:30:05 AM GMT+5:30	160116733139	Sharvani	4/4 II SEM C3	No
2020/05/16 11:31:12 AM GMT+5:30	160116733121	Abhijna Dasam	4/4 II SEM C3	No
2020/05/16 11:38:30 AM GMT+5:30	160118733144	Asrar Hussain	IV SEM C3	Yes
2020/05/16 11:39:23 AM GMT+5:30	160116733133	Mrudula Ullangunta	4/4 II SEM C3	Yes
2020/05/16 11:41:53 AM GMT+5:30	160116733142	Kati Shreya Raj	4/4 II SEM C3	Yes
2020/05/16 11:44:04 AM GMT+5:30	160116733171	Shantan Thota	4/4 II SEM C3	no
2020/05/16 11:44:56 AM GMT+5:30	160116733140	Shivani Nayakam	4/4 II SEM C3	Yes
2020/05/16 11:48:10 AM GMT+5:30	160116733126	Harika Santhoshi Peethani	4/4 II SEM C3	Yes
2020/05/16 11:50:01 AM GMT+5:30	160116733177	Tamiz Bharthepudy	4/4 II SEM C3	Yes
2020/05/16 11:57:54 AM GMT+5:30	160119733178	K.Vishal Reddy	II SEM C3	Yes
2020/05/16 12:10:52 PM GMT+5:30	160119733148	n.chaitanya	II SEM C3	yes
2020/05/16 12:30:59 PM GMT+5:30	160119742008	Tandra Ramasree	II SEM C1	Yes
2020/05/16 12:57:35 PM GMT+5:30	160118733305	Gouthami	IV SEM C1	Yes
2020/05/16 1:03:32 PM GMT+5:30	160118733135	L.H.Sanjana	IV SEM C3	Yes
2020/05/16 1:06:43 PM GMT+5:30	160119742001	Shaik abdul azeem farhan	II SEM C2	Yes
2020/05/16 1:12:39 PM GMT+5:30	160119742011	Naureen Fathima	4/4 II SEM C3	No
2020/05/16 1:14:36 PM GMT+5:30	160119742012	Anitha Ramatenki	II SEM C1	Yes
2020/05/16 1:19:55 PM GMT+5:30	160116733149	Amanaganti Tejasvi	4/4 II SEM C3	No
2020/05/16 1:33:46 PM GMT+5:30	160118733004	V dharani	IV SEM C1	Yes
2020/05/16 1:57:22 PM GMT+5:30	160119742014	M.srinivasulu	II SEM C1	Yes
2020/05/16 1:58:39 PM GMT+5:30	160117733314	Haritha E	VI SEM C2	Yes
2020/05/16 2:09:26 PM GMT+5:30	160118733005	V G K Lahari	IV SEM C1	Yes
2020/05/16 2:27:14 PM GMT+5:30	160116733327	S Laxman	4/4 II SEM C3	No

2020/05/16 2:30:42 PM GMT+5:30	160116733146	Bhavya reddy	4/4 II SEM C3	No
2020/05/16 2:33:20 PM GMT+5:30	160118742011	Shaik Mujeeb	II SEM C2	Yes
2020/05/16 2:45:32 PM GMT+5:30	160016733173	Srikrishna Pradeep	4/4 II SEM C3	No
2020/05/16 2:53:29 PM GMT+5:30	160116733122	Vallurupalli Alekhya Rao	4/4 II SEM C3	Yes
2020/05/16 7:48:30 PM GMT+5:30	160116733128	Haripriya	4/4 II SEM C3	Yes
2020/05/16 9:32:46 PM GMT+5:30	160116733130	Harshitha Reddy	4/4 II SEM C3	Yes
2020/05/18 2:25:52 PM GMT+5:30	160116733161	Nithish Reddy	4/4 II SEM C3	no

Attended(yes /no)	if registered but not attended(specify reason)
No	Didn't had much knowledge about it before
Yes	Already Registered
Yes	Attended
No	Power cut
yes	nope
yes	registered and attended
Yes	-
No	.
Yes	Registered and attended
No	Not registered
No	I was having a work
Yes	No
Yes	Noo
yes	i have attended
No	No message regarding seminar
Yes	Registered and attended
No	Internet problem
Yes	.
Yes	I have attended the seminar
No	Na
No	Not registered
No	Na

No	Didn't Register
No	NA
No	-
No	Internet connection
No	Internet problem
Yes	Registered and attended
Yes	Registered
No	Not registered
No	.
No	NA
No	No registered
No	No
no	not registered because of poor internet connection
No	Na
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No	.
No	Not register
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No	Not registered
No	Laptop not working
No	Power cut
Yes	Nil
No	-

No	-
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Yes	Registered and attended
No	Internet issues
No	Internet issues
no	didn't register
No	Network issues
No	Internet issues
Yes	NA
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yes	i have registered and attended
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Yes	No I have attended
Yes	I have attended the session
Yes	Attended
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Yes	Registered
No	Missed the update
Yes	Attended the session
Yes	Attended
Yes	No
Yes	Registered and attended
No	Na

No	Did not register
Yes	Attended
No	None
No	Internet Issue
Yes	Na
No	Poor network connection
no	Null

Timestamp	Name	Roll number/Emp id	Section
2020/05/20 12:26:59 PM GMT+5:30	S Durga Devi	10556	Faculty
2020/05/20 12:30:33 PM GMT+5:30	Harsha Narisetty	160116733092	4/4 II SEM C
2020/05/20 12:30:43 PM GMT+5:30	Sharath Kumar Daroor	160116733316	4/4 II SEM C
2020/05/20 12:44:51 PM GMT+5:30	Manikanth Reddy	160116733095	4/4 II SEM C
2020/05/20 1:14:58 PM GMT+5:30	Ettikyala kalpana	10520	Faculty
2020/05/20 1:31:30 PM GMT+5:30	Mini Devayani	160116733132	4/4 II SEM C
2020/05/20 1:32:04 PM GMT+5:30	Devika Madupu	160116733125	4/4 II SEM C
2020/05/20 1:32:57 PM GMT+5:30	Newveela	160116733329	4/4 II SEM C
2020/05/20 1:40:43 PM GMT+5:30	Ganesh Akula	160116733156	4/4 II SEM C
2020/05/20 1:43:16 PM GMT+5:30	Harshitha Reddy Talusani	160116733130	4/4 II SEM C
2020/05/20 1:51:45 PM GMT+5:30	Shanthan Rao	160115733171	4/4 II SEM C
2020/05/20 2:08:56 PM GMT+5:30	Ragi sangeeth	160116733170	4/4 II SEM C
2020/05/20 2:15:52 PM GMT+5:30	Shashikumar	160116733333	4/4 II SEM C
2020/05/20 3:03:06 PM GMT+5:30	Surigi Sadhana	160116733335	4/4 II SEM C
2020/05/20 3:22:19 PM GMT+5:30	Khushwanth Kumar	160117733093	VI SEM C2
2020/05/20 3:32:56 PM GMT+5:30	Surya Prakash	160117733322	VI SEM C2
2020/05/20 3:46:21 PM GMT+5:30	T.SUVARNA KUMARI	10524	Faculty
2020/05/20 4:09:39 PM GMT+5:30	Rahul Pittala	160118733163	IV SEM C3
2020/05/20 4:20:09 PM GMT+5:30	Sohail Qureshi	160116733172	4/4 II SEM C
2020/05/20 4:37:38 PM GMT+5:30	Sandhya Kethavath	160116733138	4/4 II SEM C
2020/05/20 8:04:55 PM GMT+5:30	HariPriya	160116733128	4/4 II SEM C
2020/05/20 8:33:05 PM GMT+5:30	Varsha oggu	160118733315	IV SEM C3
2020/05/20 9:39:44 PM GMT+5:30	P.Navya sree	160116733336	4/4 II SEM C
2020/05/21 7:23:26 AM GMT+5:30	Ranganath	160118733164	IV SEM C3
2020/05/21 11:47:40 AM GMT+5:30	Kandi Jyoshna	160118733130	IV SEM C3
2020/05/21 1:14:08 PM GMT+5:30	Ch.Madhavi Sudha	10530	Faculty
2020/05/21 1:25:44 PM GMT+5:30	Poonguzharselvi B	10557	Faculty
2020/05/21 2:55:51 PM GMT+5:30	Omar Ahmed	160116733162	4/4 II SEM C

Regisered(y/n)	Attended(y/n)	if registered but not attended(specify reason)
Yes	Yes	
yes	yes	
Y	Y	
y	y	
n	n	
N	N	
N	N	
N	N	
No	No	
Yes	Yes	Na
N	N	-
No	No	
N	N	
No	No	Not registered
N	N	
No	No	Network issue
Y	Y	
N	N	
Y	Y	
N	N	
Y	Y	
Y	Yey	
Y	N	
yes	yes	i have attended
N	N	
Y	Y	
Y	Y	
Y	Y	

Timestamp	Email Address	semester
2020/06/22 2:27:25 PM GMT+5:30	suvarnakumarit@gmail.com	Faculty
2020/06/22 2:36:30 PM GMT+5:30	ugs17147_cse.bhanu@cbit.org.in	6th sem C3
2020/06/22 2:37:26 PM GMT+5:30	gopalaarchana123@gmail.com	6th sem C3
2020/06/22 2:57:29 PM GMT+5:30	Ugs17329_cse.v@cbit.org.in	6th sem C3
2020/06/22 3:40:23 PM GMT+5:30	mohantysatyajit57@gmail.com	6th sem C3
2020/06/23 9:44:22 AM GMT+5:30	vikassahuu666@gmail.com	4th sem C1
2020/06/23 12:29:44 PM GMT+5:30	krishh17.varanasi@gmail.com	4th sem C1
2020/06/23 12:46:35 PM GMT+5:30	battusainath007@gmail.com	4th sem C1
2020/06/23 12:52:25 PM GMT+5:30	Dharanipriya0002@gmail.com	4th sem C1
2020/06/23 12:58:36 PM GMT+5:30	krishnareddy_cse@cbit.ac.in	Faculty
2020/06/23 12:58:38 PM GMT+5:30	annanyaved.07@gmail.com	4th sem C1
2020/06/23 1:47:01 PM GMT+5:30	gouthamigongidi04@gmail.com	4th sem C1
2020/06/23 1:47:13 PM GMT+5:30	amruthar0109@gmail.com	4th sem C1
2020/06/23 1:47:29 PM GMT+5:30	rdinesh.599@gmail.com	4th sem C2
2020/06/23 1:49:34 PM GMT+5:30	dadamonidharani@gmail.com	4th sem C1
2020/06/23 1:50:39 PM GMT+5:30	yashwanthjavvaji208@gmail.com	4th sem C1
2020/06/23 1:50:50 PM GMT+5:30	likithadareddy@gmail.com	4th sem C3
2020/06/23 1:57:53 PM GMT+5:30	Hemaanthereddy@gmail.com	4th sem C1
2020/06/23 1:58:48 PM GMT+5:30	harshasriyennam@gmail.com	4th sem C1
2020/06/23 2:00:50 PM GMT+5:30	narsimhasadula22@gmail.com	4th sem C1
2020/06/23 2:22:32 PM GMT+5:30	lahari.vundavalli@gmail.com	4th sem C1
2020/06/23 2:23:25 PM GMT+5:30	sanjanasirnam1909@gmail.com	4th sem C1
2020/06/23 2:27:23 PM GMT+5:30	begarideepthi@gmail.com	4th sem C1
2020/06/23 2:27:48 PM GMT+5:30	Shreya.maramreddy@gmail.com	4th sem C1
2020/06/23 2:27:52 PM GMT+5:30	muhayminstar@gmail.com	4th sem C1
2020/06/23 2:32:05 PM GMT+5:30	saikalyan.1910@gmail.com	4th sem C1
2020/06/23 2:34:18 PM GMT+5:30	shivani.kjr@gmail.com	4th sem C1
2020/06/23 2:36:43 PM GMT+5:30	nithinsaiibejgam@gmail.com	4th sem C1
2020/06/23 2:40:14 PM GMT+5:30	janakiramsharma18@gmail.com	4th sem C1
2020/06/23 2:49:51 PM GMT+5:30	murugesansubramani360@gmail.com	4th sem C1
2020/06/23 3:03:30 PM GMT+5:30	deva.sudeeshna5@gmail.com	4th sem C1
2020/06/23 3:06:06 PM GMT+5:30	sram5330335@gmail.com	4th sem C1
2020/06/23 3:30:28 PM GMT+5:30	saikumarkaleru56@gmail.com	4th sem C1
2020/06/23 3:31:22 PM GMT+5:30	gudapatigreeshma@gmail.com	2nd sem C1
2020/06/23 3:53:53 PM GMT+5:30	boyakeerthireddy22435@gmail.com	4th sem C2
2020/06/23 4:36:27 PM GMT+5:30	isrujana_cse@cbit.ac.in	Faculty
2020/06/23 4:50:10 PM GMT+5:30	ekalpana_cse@cbit.ac.in	Faculty
2020/06/24 8:43:57 AM GMT+5:30	supriyakaluri4091@gmail.com	4th sem C1
2020/06/25 10:10:45 AM GMT+5:30	ugs17167_cse.sairaam@cbit.org.in	6th sem C3

Name	Roll number/Emp Id	Registered	Attended (
T.SUVARNA KUMARI	10524	No	No
Bhanu Prasad	160118000000	n	n
Gopala Archana	160118000000	Y	Y
Vallapu sai keerthana	160118000000	N	N
Satyajit Mohanty	160118000000	N	N
T.Vikas	160119000000	No	No
Rama Krishna Parjanya Varanasi	160119000000	Y	Y
Battu Sainath	160119000000	Yes	Yes
V dharani	160119000000	Yes	Yes
M VENKATA KRISHNA REDDY	10570	y	y
Annanya Vedala	160119000000	Y	Y
Gouthami Gongidi	160119000000	Y	Y
Revu Sai Roopa Amrutha	160118000000	Yes	Yes
Dinesh Rayala	160119000000	Y	Y
Dharani Dadamoni	160119000000	y	y
Javvaji Yashwanth	160119000000	y	y
Likitha dareddy	160119000000	Yes	Yes
Hemalatha Anthareddy	160119000000	Y	Y
Harshasri Yennam	160119000000	Y	Y
Narsimha Sadula	160119000000	Y	Y
Vundavalli Gayathri Kanthi Lahari	160119000000	Y	Y
Sanjana sirnam	160119000000	y	y
Deepthi Begari	160119000000	Y	Y
Shreya Maramreddy	160119000000	Yes	Yes
Mohammed Abdul Muhaymin	160119000000	y	n
Kalyan Bandhakavi Sai	160119000000	NO	Yes
Katta Naga Shivani Reddy	160119000000	Yes	Yes
NITHIN SAI BEJGAM	160119000000	Y	Y
Janakiram Sharma K	160119000000	yes	no
Subramani	160119000000	Y	Y
Deva sudeeshna	160119000000	y	y
Siva Rama Krishnan V K	160119000000	n	n
Saikumar Kaleru	160119000000	Y	Y
G.Greeshma	160119000000	Yes	Yes
Keerthi Boya	160119000000	n	y
I Srujana	10513	N	Y
E Kalpana	10520	Y	N
Supriya Kaluri	160119000000	Yes	Yes
Kvn Sairaam Reddy	160118000000	n	n

if Registered but not Attended(specify Reason)

Attended STORM webinar on cybersecurity
.
Issue in n/w
I didn't register
N
No
Attended
Attended
Attended
Attended
Attended
I have attended
None
Attended
Registered and attended
attended
Attended
Attended
Attended
No
Registere and attended
I joined late as the power was gone for 4 hours in our area and I didn't have enough mobile data to connect to the meeting
Attended
I attended
I have attended but partially
Attended
Attended
attended
Personal problem.
Attended
none
Busy with internship
.
I have attended
Not Interested
Attended
Internet problem due to power down
No
Couldnâ€™t find the event and no link was shared

Chemical Engineering Undergraduate Transfer Agreement
between
Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad, India)
and
Rowan University (New Jersey, USA)

1. Program Description

This program is designed to allow participating students to study at both Chaitanya Bharathi Institute of Technology (CBIT) and Rowan University (Rowan). The transfer agreement will allow students to study Chemical Engineering at CBIT for two years and transfer to the Bachelor of Science in Chemical Engineering program at Rowan at the end of their second year. Students are expected to study at Rowan up to two years before they can earn a Bachelor of Science in Chemical Engineering degree from Rowan. Students will need to meet all graduation requirements in order to earn the aforementioned degree from Rowan. The undergraduate courses they will need to take at Rowan will be determined after Rowan receives the participating student's most recent transcript that includes the courses in progress at CBIT. Rowan may require further information (i.e. course syllabi) for transfer-credit evaluation.

2. Educational Goals

This program is designed to allow participating students to study at both CBIT and Rowan, and have diverse learning opportunities at two higher education institutions. Once students meet all graduation requirements of Rowan and successfully complete the BS Chemical Engineering program at Rowan, they will be able to apply for the Optional Practical Training (OPT). The OPT will allow participating students to work in the U.S.A. up to three years provided that their OPT application and STEM extension are approved. Additionally, the two-year study at Rowan will help students improve their English language proficiency including technical English they will need to compete in the global job market. The transfer program is expected to enhance both institutions' internationalization and globalization.

3. Application, Admission, and Enrollment

Sophomore students in the undergraduate Chemical Engineering program at CBIT can apply for admission to the BS Chemical Engineering program at Rowan under this transfer agreement. Students will submit the following application materials to Rowan: online transfer application form, most-up-to-date transcript from CBIT, language proficiency test score (min 70 on TOEFL, 6.0 on IELTS, or 95 on Duolingo test), copy of bio page of passport, and other documents Rowan may need for proper evaluation of the application (i.e. course descriptions, syllabi, etc.). All admitted students must turn in an official copy of the most up-to-date transcript before they can register for courses at Rowan. Each student will be assigned an academic advisor at Rowan, and students will enroll in courses at Rowan during the mandatory International Student Orientation.

4. Financial Responsibilities & Scholarships

Students are responsible for all educational and related expenses including but not limited to tuition, fees, textbooks, housing, meals, health insurance, transportation, passport, and visa expenses. Rowan will waive the undergraduate transfer application fee for all CBIT students applying for this transfer program. Rowan

will provide qualified students with the necessary immigration documents which will allow them to apply for a student visa at the US Embassy/Consulates in India. Rowan will arrange airport pick-up service for students if requested. This service is free of charge and available for Philadelphia International Airport only. All students admitted to the BS Chemical Engineering program at Rowan through this transfer agreement will be automatically considered for available scholarships at Rowan; however, with no guarantee of receipt, and will be notified of the award and the amount prior to their arrival to the United States. Scholarships are renewable as long as the student meets the requirements to maintain awarded scholarship(s).

5. Main Disciplines

BTech Chemical Engineering at CBIT

B.S. in Chemical Engineering at Rowan

6. Curriculum of the BS Chemical Engineering Program at Rowan University

The complete Chemical Engineering curriculum at Rowan can be found at:<https://engineering.rowan.edu/programs/chemical/undergraduate/curriculum.html> and https://engineering.rowan.edu/_docs/chemical/curriculum-flowchart.pdf

7. Course Transfer Credits

Rowan agrees to award credits for select courses students have taken at CBIT. A complete list of courses transferable to Rowan are listed in Appendix A. Courses with grades below the minimum grade required by Rowan will not transfer to Rowan.

8. Schooling and Degree Awarding

Length of study at CBIT: two years of full-time attendance. Estimated length of study at Rowan: two years of full-time attendance. It may require summer registration. After successful completion of the BS Chemical Engineering program at Rowan and meeting the graduation requirements of Rowan, students will earn a Bachelor of Science degree in Chemical Engineering from Rowan.

9. Graduate Studies at Rowan University

Students who successfully graduate from Rowan's BS Chemical Engineering program will be able to apply for the M.S. Chemical Engineering program at Rowan. The International Center at Rowan will assist interested students throughout the application process.

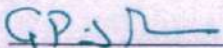
10. Period of the Agreement

This agreement shall be in effect for a term of five (5) years from the date of execution and shall be reviewed by both parties at the end of such term and may at that time be updated and signed for an additional period of time to be specified in the updated document. Continuation of the program will be based on students' successful completion of the program, program viability, and other relevant factors determined by CBIT and Rowan.

11. Termination of the Agreement

Either party hereto may terminate this agreement at any time upon ninety (90) days advance written notice.

If the Agreement is terminated, students who have been admitted to the program will be allowed to continue in the program as long as they are in good academic standing at either CBIT or Rowan.



Dr. G. P. Saradhi Varma
Principal, CBIT
Gandipet, Hyderabad

Date: Oct. 22. 2020
MM / DD / YY



Dr. Anthony M. Lowman, Provost and
Senior Vice President for Academic Affairs
Rowan University
Glassboro, New Jersey, USA

Date: 1/8/21
MM / DD / YY

Appendix A

List of Courses Rowan University Offers Credit for under the Transfer Agreement between Rowan and CBIT

Mapping for CBIT BTech in Chemical Engineering Program

This table shows the Rowan Chemical Engineering degree requirements on the left, and on the right, the CBIT path to fulfilling them.

Rowan Course Number & Title → CBIT Course Number & Title

- If the CBIT course is in regular font, that means (based on reading CBIT "syllabus" information) that it should be considered equivalent: Rowan gives CBIT students transfer credit for Introductory Mechanics if they passed Engineering Mechanics at CBIT, etc.
- If the CBIT course is in italics, that means it is a substitution. So, "Programming for Problem Lab" would not transfer in as Freshman Engineering Clinic I, Rowan accepts it as a substitution.

The table shows 47 "required" credits they would take at Rowan, 12 and 11 in the first two semesters respectively, and then 24 during the senior year which can be distributed different ways between the two semesters. So, students should have the space for at least one additional course every semester that they can use to fulfill the remaining Rowan Core requirements, pursue a minor or concentration, or just take a course as a free elective.

Courses in Brown Boxes	Substitute Courses
Courses in Blue Boxes	Direct transfer credit
Courses in Yellow Boxes	Courses students need to take at Rowan

Students must take courses in brown and blue boxes at CBIT before they transfer to Rowan University.

Rowan Requirement (credits)	CBIT Course (credits)
CHEM06100 Chemistry I (4)	<i>CBIT Entrance Requirements</i>
CHEM06101 Chemistry II (4)	<i>CBIT Entrance Requirements</i>
PHYS00220 Introductory Mechanics (4)	Engineering Mechanics (4)
CHEM07200 Organic Chemistry I (4)	Chemistry (4)
Approved Chemistry Elective (3)	<i>Physics Lab (1.5) + Chemistry Lab (1.5)</i>
COMP01111 College Composition I (3)	<i>English (2) + English Lab (1)</i>
ENGR01101 Freshman Engineering Clinic I (2)	<i>Programming for Problem Lab (2)</i>
ENGR01102 Freshman Engineering Clinic II (2)	<i>Workshop/Manufacturing Practice (3)</i>
ENGR01201 Sophomore Engineering Clinic I (4)	TAKEN AT ROWAN- SEMESTER 5
ENGR01202 Sophomore Engineering Clinic II (4)	TAKEN AT ROWAN- SEMESTER 6

MATH01130 Calculus I (4)	Mathematics – I (4)
MATH01131 Calculus II (4)	Mathematics – II (4)
MATH01230 Calculus III (4)	Mathematics – III (4)
MATH01235 Math for Engineering Analysis (4)	Numerical Methods in Chemical Engineering (4)
CHE06201 Principles of Chemical Processes I (2)	Material and Energy Balance Computations (4)
CHE06202 Principles of Chemical Processes II (2)	
CHE06241 Chemical Engineering Fluid Mechanics (2)	Fluid Mechanics (4)
ENGR01303 Junior Engineering Clinic I (2)	<i>Basic Electrical Engineering (4)</i>
ENGR01303 Junior Engineering Clinic II (2)	<i>Basic Electrical Engineering Lab (2)</i>
CHE06309 Process Fluid Transport (3)	TAKEN AT ROWAN- SEMESTER 5
CHE06310 Chemical Eng. Thermodynamics I (3)	Chemical Eng. Thermodynamics I (4)
CHE06311 Heat Transfer Processes (3)	TAKEN AT ROWAN- SEMESTER 5
CHE06312 Separation Processes I (2)	TAKEN AT ROWAN- SEMESTER 5
CHE06314 Separation Processes II (3)	TAKEN AT ROWAN- SEMESTER 6
CHE06315 Chemical Eng. Thermodynamics II (3)	Chemical Eng. Thermodynamics II (4)
CHE06316 Chemical Reaction Engineering (4)	TAKEN AT ROWAN- SEMESTER 6
CHE06381 Chemical Eng. Materials (2)	Material Science (3)
CHE06385 Chemical Engineering Modelling (2)	<i>Programming for Problem Solving (3)</i>
CHE06401 Chemical Process Component Design (3)	TAKEN AT ROWAN- SEMESTER 7
CHE06403 Unit Operations Laboratory (3)	TAKEN AT ROWAN- SEMESTER 7 or 8
CHE06405 Process Dynamics and Control (3)	TAKEN AT ROWAN- SEMESTER 7
CHE06406 Chemical Plant Design (3)	TAKEN AT ROWAN- SEMESTER 8
CHE06407 Chemical Process Safety (2)	TAKEN AT ROWAN- SEMESTER 7 or 8
ENGR01403 Senior Engineering Clinic I (2)	TAKEN AT ROWAN- SEMESTER 7
ENGR01403 Senior Engineering Clinic II (2)	TAKEN AT ROWAN- SEMESTER 8
CHE06 Approved CHE Elective I (3)	Technology of Surface Coatings and Oils (4)
CHE06 Approved CHE Elective II (3)	TAKEN AT ROWAN- SEMESTER 7 or 8
CHE06 Approved CHE Elective III (3)	TAKEN AT ROWAN- SEMESTER 7 or 8
Artistic Literacy (3)	TAKEN AT ROWAN- SEMESTER 5
Global Literacy (3)	TAKEN AT ROWAN- SEMESTER 6
Humanistic Literacy (3)	TAKEN AT ROWAN- SEMESTER 6
Literature Intensive (3)	TAKEN AT ROWAN- SEMESTER 8

CBIT/Rowan 2+2 Chemical Engineering Program**Study Plan for Year 3 and 4**

Semester V	Semester VI
Sophomore Engineering Clinic I (4)	Sophomore Engineering Clinic II (4)
Process Fluid Transport (3)	Separation Processes II (3)
Heat Transfer Processes (3)	Chemical Reaction Engineering (4)
Separation Processes I (2)	Global Literacy (3)
Artistic Literacy (3)	Humanistic Literacy (3)
Semester VII	Semester VIII
Chemical Process Component Design (3)	Chemical Plant Design (3)
Process Dynamics and Control (3)	Senior Engineering Clinic II (2)
Senior Engineering Clinic I (2)	Approved CHE Elective III (3)
Approved CHE Elective II (3)	Chemical Process Safety (2)
Unit Operations Laboratory (3)	Literature Intensive (3)

Memorandum of Understanding

This **Memorandum of Understanding** (“MOU” also called “Agreement”) is made as of the 11th of September, 2020 between **Chaitanya Bharathi Institute of Technology, Hyderabad** (hereinafter called “**CBIT(A)**” or “**Institute**”) and M/s **Interleaved Multidisciplinary Research Centre**(an MSME, incorporated under MSME in October, 2019 and having its office at 2nd floor of Cal-ON Industries, IDA, Phase IV, Cherlapally, Hyderabad – 500051) hereinafter called “**IMRC**” or “**Industry**”.

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.

Interleaved Multidisciplinary Research Centre (IMRC) was established in October, 2019 with the registration with MSME. It has adequate technical competency and is headed by the expert having 22 years of experience in Product Development, Research in Electronics, and associated fields of technology. IMRC has a wide network of Industries and renders technical services. The company has experience on multidisciplinary technical activities and is capable

to widespread its services to Concept generation, providing Technical and innovative solutions, Product development and Marketing etc..

2.0 Recitals

'IMRC' 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 services of Experts available with CBIT (A) can be availed by IMRC, an MSME, to develop new products/process and software 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 IMRC along with CBIT(A) or live projects being carried out by IMRC for other organizations under their internship. The industrial visits by the students will provide them with an exposure to various equipments, design and manufacturing process etc.

IMRC is interested in engaging with CBIT(A) in areas of mutual interest with focus areas as follows.

- 2.1 Innovative designs and development in the fields of Electrical, Electronics and control systems.
- 2.2 Equipment development for Covid-19 related solutions.
- 2.3 Mechatronics, Medical Electronics and equipments, Automobile Electronics, Embedded systems.
- 2.4 Solar and renewable energy harvesting. Procurement, erection and commissioning of Solar Plants. Development of Solar Tracker.
- 2.5 Products related to strategic applications.
- 2.6 Agriculture Technology, Organic farming.
- 2.7 Other areas of mutual Interest and jointly apply for DST/Govt. funded Projects.
- 2.8 IMRC will explore to incubate new Ideas using facilities of CBIT(A) incubation center with due approval.

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 IMRC for enhancing, within the country, the availability of highly qualified manpower in the areas of Innovative Designs of Electrical and Electronics products, Mechatronics, Solar PV Systems, Agricultural Systems, Embedded systems and software etc. The area of interaction will also include training and internship of CBIT(A) students to work on live projects at IMRC. The areas of cooperation can be further extended through mutual consent.

ARTICLE – II: Scope and Terms of Interactions

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

1. Both CBIT(A) and IMRC will plan to work on Joint development projects of Mutual Interest and also explore for joint working on Govt. funded projects based on mutual agreement.
2. Practical training of CBIT(A) students at IMRC in the form of One-full Semester Internship at IMRC;
3. 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 IMRC on mutual agreement.
4. IMRC may depute its personnel as visiting faculty at CBIT(A) to supplement the teaching of any of the regular Course or specialized topics.
5. IMRC may seek assistance/guidance of CBIT(A)'s RE Hub for initiating any start-up company to develop new products or process along with CBIT(A).
6. IMRC will allow the industrial visits of students for half/full day to provide them with an exposure to various equipment, instrument, etc.
7. IMRC 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. IMRC 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) IMRC 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 IMRC 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 IMRC 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 IMRC.
- d) IMRC 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 IMRC 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 IMRC based on Mutual agreement.

ARTICLE – VI: Confidentiality

During the tenure of the MoU both CBIT(A) and IMRC 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 IMRC 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 IMRC 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 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

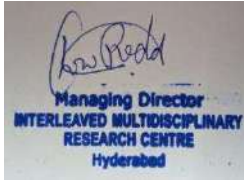
Conciliation Act, 1996. The dispute shall be referred for arbitration to sole arbitrator to be appointed by the designated official (s) as per the bye law of CBIT(A) – Hyderabad. The award of the sole arbitrator shall be final and binding on both the parties. The venue of the Arbitration shall be at 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.

For

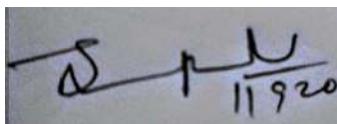
**Interleaved Multidisciplinary
Research Centre
Hyderabad**



By

**Name: P.Chow Reddy
Director**

Witness:

A handwritten signature in black ink, with the date "11/9/20" written below it.

For

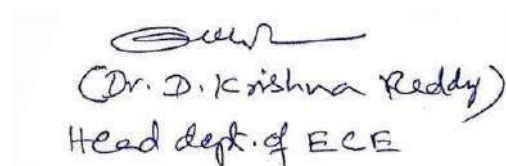
**Chaitanya Bharathi Institute of Technology
Hyderabad**

A green ink signature of P. Ravinder Reddy.

By

**Name Dr. P. Ravinder Reddy
Principal**

Witness:

A handwritten signature in black ink, with the text "(Dr. D. Krishna Reddy) Head dept. of ECE" written below it.



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय)
National Highways Authority of India
(Ministry of Road Transport & Highways)

टेली / Tele : 040 - 29562147 /48

ई-मेल / E-mail : rohyderabad@nhai.org
nhairohyd@gmail.com



भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

क्षेत्रीय कार्यालय - हैदराबाद

प्रथम तल, नया भवन, भारतीय प्रशासनिक स्टाफ कॉलेज, पार्क कॉम्पस, रोड नंबर-3, बंजारा हिल्स, हैदराबाद-500 034. तेलंगाना

Regional Office - Hyderabad,

First Floor, New Building, Administrative Staff College of India (ASCI), College Park Campus, Road No. 3, Banjara Hills, Hyderabad - 500 034, Telangana.

NHAI/RO-HYD/Adoption of NHs/2020/1114

Date:12/09/2020

To
Prof. P. Ravinder Reddy,
Principal
Chaitanya Bharathi Institute of Technology(CBIT)
Gandipet, Hyderabad
Telangana-500 075
Phone: 040-24193276
E-mail: principal@cbit.ac.in;

Sub: NHAI, RO, Hyderabad - Collaboration with NHAI and Adoption of NH Stretches - Reg.

Ref: 1. This Office Letter No.NHAI/RO-HYD/Adoption of NHs/2020/834 dated 17/08/2020
2. CBIT, Hyderabad Letter dated 03.09.2020

Sir,

This has reference to MoU signed on 03/09/2020 by both NHAI and CBIT, it is requested to commence the services in consultation with Project Director, NHAI, PIU, Hyderabad. The signed copy of MOU is herewith enclosed for your reference and record, please.

Encl: As above.

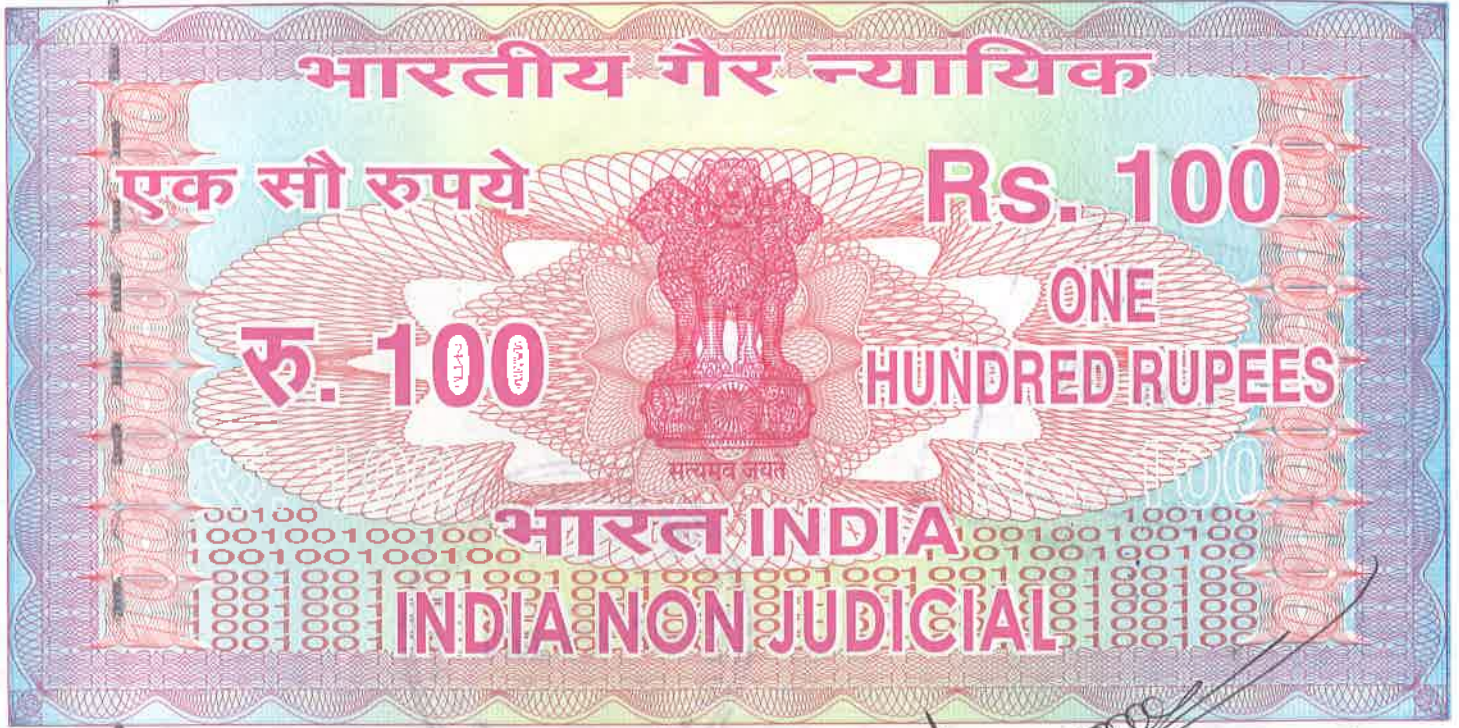
Yours faithfully,

(A. Krishna Prasad)

Regional Officer, Hyderabad

Copy to:

1. Sh. L.P. Padhy, CGM(Tech.), NHAI, HQ, New Delhi along with copy of MOU for information and necessary action, please.
2. The Project Director, NHAI, PIU, Hyderabad along with copy of MOU for information and necessary action.



తెలంగాణ తెలంగాణ TELANGANA

S.No. 69631 Date 3-9-2020

Sold To: Dr. P. Vimala o/a A. Nagi Reddy

For Whom: S. R. Lingampally

03 SEP 2020

AA 631735

K. RAMNARESH

LIC.No.15-18-012/94, Ren.No.15-18-013/2018
H.No.2-41, Hydershakote (V), Gandipet (M)
Ranga Reddy (D), Telangana State
Cell.No.9849612023

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter referred to as "MoU") entered into on this 3rd day of September 2020 by and between:

National Highways Authority of India (NHAI) which expression shall, unless repugnant to the context or meaning thereof be deemed to mean and include its successors and permitted assigns), of the First party;

AND

Chaitanya Bharathi Institute of India (Autonomous) (CBIT (A)), hereinafter called as second party represented by its Principal Dr. P. Ravinder Reddy, which the expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successors and permitted assigns) of the Second Party.

WHEREAS,

Both **CBIT (A)** and NHAI are desirous of working together with mutual cooperation for dissemination of respective expertise in civil/highway engineering field through the road infrastructure development.

Regional Officer

National Highways Authority of India,
(Ministry of Road Transport & Highways, Govt. of India)

Regional Office, Hyderabad, Telangana.



Cont....2

OFFICE OF THE
DISTRICT REGISTRAR
RANGA REDDY DIST., T.S.
1-1 FEB 2020
STAMPS DEPOT

OFFICE OF THE SUB-REGISTRAR
-7 APR 2020
Rejendranagar, R. R. Dist.

Report of the Registrar
of the District of Rangareddy
to the Government of India
for the year 2019-20
10



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

Page::2::

NOW, THEREFORE, IT IS HEREBY AGREED BY THE PARTIES AS FOLLOWS:

1. INTENT:

National Highways Authority of India (NHAI) intends to associate the **CBIT** who shall voluntarily contribute its share of experience for betterment of the highway infrastructure.

2. SCOPE OF THE MoU

The primary scope of MOU inter alia includes the following:

- i. NHAI shall facilitate the faculty, researchers and students of the Institute to familiarize with the latest trends in the highway/transportation sector with a common objective of sharing the knowledge in their respective domain. This will, in one hand, facilitate to bridge the industry-institution gap and familiarize students with the latest trends in industry and on the other hand the research output could be suitably adopted in practice by NHAI.
- ii. CBIT shall adopt nearby stretches of NHs as specified in the Appendix-1 as a voluntary initiative under ambit of Institutional Social Responsibility (ISR). The list of stretches may be modified by deletion/addition by mutual consent of NHAI and the Technical Institute.
- iii. The adopted stretch may be used as a field of study for faculty, researchers and students.
- iv. NHAI shall offer internship to 40 number of undergraduate/postgraduate students of the Institute periodically and also extend stipend
- v. NHAI shall pay stipend @ Rs. 3000/- (Rupees Three Thousand only) per month for undergraduate students and @ Rs. 5000/- (Rupees Five Thousand only) per month to Postgraduate students. All other arrangements including stay shall be responsibility of the Institute. However, depending upon availability, NHAI may extend transportation facility to the interns within the project jurisdiction.

3. Roles and Responsibilities:

The scope of this MOU shall be carried out in a collaborative mode between NHAI and the CBIT (A). The Roles & Responsibilities of NHAI and the Technical Institute in performing the defined objective shall be as follows:

NHAI

- a. NHAI shall provide the list of potential candidate National Highway stretches for adopting by the CBIT (A).
- b. NHAI shall facilitate availability of relevant data required with specific reference to the above stretches through its field office/consultant/concessionaire/contractor engaged in the project.
- c. NHAI will nominate an officer as a point of contact for all correspondence in carrying out the defined objective;


Regional Officer

National Highways Authority of India,


(Ministry of Road Transport & Highways, Govt. of India)

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

 Cont...3





CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

Page::3::

- d. NHAI shall facilitate the faculty, researchers and students of the CBIT (A) to give access to the site of the identified stretch being adopted by the CBIT (A), relevant documents for the purpose of activities to be carried by these intellectuals of the CBIT(A)
- e. NHAI through its field office/Consultant/Concessionaire/Contractor engaged in the project, as per reasonable requirement, will disseminate and familiarize the latest trends and know how in highway/transportation sector in general and the identified project in specific to the authorized faculty, researchers and students of the CBIT (A)
- f. NHAI may suitably adopt the research output and feedback received from the CBIT (A) in practice for qualitative improvement as deemed fit at appropriate stage of implementation.
- g. NHAI may support creation of Lab infrastructure in the Institute and can sponsor relevant research project that helps in using alternative resource material and improving quality of roads.
- h. The NH stretch adopted can be co-branded with the associated CBIT (A) by NHAI

The CBIT (A)

- a. CBIT (A) shall adopt stretches of NHs as specified in the Appendix-1 as a voluntary initiative.
- b. CBIT(A) through its authorized faculty, researchers and students will carry out periodic investigation and give suitable suggestions for improving the efficiency of existing highway asset inter alia covering the following aspects:
 - (i) Improvements in safety provision by removing existing deficiencies
 - (ii) Improvements in continual maintenance of the stretch using new technologies
 - (iii) Localized solutions for removal of congestion points thereby increasing the average speed of traffic flow
 - (iv) Improvements in the riding comfort through cost effective measures based on innovative technologies on practices applicable in the area;
 - (v) Viability of new way side amenities for road user based on the existing traffic pattern and user expectations
 - (vi) Potential solutions to old recurring problems based on local experience etc.
- c. The Institute may also associate with the Consultants/NHAI during conceptualization, design and project preparation of new projects and suggest the relevant parameters and innovations based on experience specific to the site climate, topography and resource potential for better socio economic outcome.
- d. The Technical Institute will nominate a coordinator as a point of contact for all correspondence in carrying out the defined objective as well as inform, from time to time.

Regional Officer

National Highways Authority of India,

P. A. ...

Cont...4

Chaitanya Bharathi Institute of Technology (A)

Chaitanya Bharathi (P.O), Kakapet (M), Gandipet (M),
Ranga Reddy District, Hyderabad - 500 075, Telangana, India

040-24195276, 79, 80

principal@cbit.ac.in • www.cbit.ac.in





CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

Page::4::

4. EFFECTIVE DATE AND PERIOD OF MOU

This MoU shall come into effect for all its intents and purposes from the immediate effect and shall remain valid for a period of 5 years from the date of signing unless terminated earlier by mutual consent by either party by giving 60 days' notice in writing to the other party.

For the Technical Institute

For NHA

Principal

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

(Authorised Signatory)

PROFESSOR & HEAD

Department of Civil Engineering
Chaitanya Bharathi Institute of Technology
GANDIPET, HYDERABAD-5000 075.

Witness:

=====

Regional Officer
National Highways Authority of India,
Ministry of Road Transport & Highways, Govt. of India)
Regional Office-Hyderabad, Telangana

(Authorised Signatory)

Shri Krishna Prasad
Regional Officer
NHA Hyderabad

Witness

(Keerthi Bhavdwaraj)
Deputy Manager(T)

Chaitanya Bharathi Institute of Technology (A)

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

☎ 040-24193276, 79; 80

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





CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

APPENDIX-1

The Institute shall adopt the following stretches of NHs as a voluntary initiative under the ambit of Institutional Social Responsibility (ISR).

S.No	Details of the stretch (From Chainage to Chainage)	NH No	Length	Stage of implementation (completed/under construction/under maintenance/project preparation)	Remarks
1	Hyderabad- Manneguda Design Km 14.000 to Design Km 60.405	163	45.50 km	DPR	
2	Hyderabad (Near Tukkuguda) to Dindi Km.23.000 to Km.108.800	765	85.80Km	Under maintenance	

Above list of stretches may be modified by deletion/addition by mutual consent of NHA1 and the Technical Institute.

[Handwritten Signature]
03/9/2020

Regional Officer
National Highways Authority of India,
(Ministry of Road Transport & Highways, Govt. of India)
Regional Office-Hyderabad, Telangana.

[Handwritten Signature]

Chaitanya Bharathi Institute of Technology (A)

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

040-24193276, 78, 80

principal@cbit.ac.in www.cbit.ac.in





MEMORANDUM OF UNDERSTANDING

BETWEEN

RESEARCH AND INNOVATION CIRCLE OF HYDERABAD (RICH)

AND

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (CBIT)

This Memorandum of Understanding ("MOU") is entered into and effective as of 29th August, 2020

By and Between

Chaitanya Bharathi Institute of Technology (here in after referred to as "**CBIT**"), a renowned Educational Institute Established in the year 1979 under the aegis of The Society "**Chaitanya Bharathi Institute of Technology**" (incorporated in India), located at **CBIT**, Gandipet, Hyderabad -500075 (which expression shall, unless repugnant to the meaning or context thereof, be deemed to include its executors, representatives, administrators, successors and assigns).

And

Research and Innovation Circle of Hyderabad (hereinafter referred to as "**RICH**"), a Company registered under Section 8 of Companies Act, 2013, having its registered office at 1st floor, Parisrama Bhavan, Fateh Maidan Road, Basheerbagh, Hyderabad, Telangana-500004 and working office at t-hub, 3rd Floor, New Catalyst Building, International Institute of Information Technology, Gachibowli, Hyderabad, Telangana – 500 032, (which expression shall, unless repugnant to the meaning or context thereof, be deemed to include its executors, representatives, administrators, successors and assigns).

“Party” shall mean either **CBIT** or **RICH** and “Parties” shall mean **CBIT** and **RICH** together.

PREAMBLE:

WHEREAS Industries & Commerce Department of Government of Telangana, as part of the industrial and commercial efforts to promote and harness the talent available in institutions, academia and industry in the State of Telangana, has proposed to create a platform to be named Research and Innovation Circle of Hyderabad “**RICH**” as a non-profit section 8 company formed under provisions of Companies Act, 2013, that shall link various internationally and nationally reputed educational, research institutions and industry along with Venture Capitalists, Angel Investors and Incubation Funds. The Government intends to initiate a well designed programme to make full utilization of research and development taking place in the institutions by filling up the gaps present in the innovation-entrepreneurship-investment ecosystem.

WHEREAS **CBIT** is a renowned institute in the field of engineering & technology and is desirous of imparting practical knowledge in the field of technology to students opting this institution and was implementing this from the past and desirous of now expanding the facility.

WHEREAS **RICH** is a non profit section 8 company formed under provisions of Companies Act, 2013 formed under public private partnership covering all the internationally and nationally reputed education and research institutions with the objective to unlock the national treasure created by top research institutions and actively facilitate the process of taking the research to market. **RICH** is creating an eco-system for Research to Market by bringing together a collaborative network of top research institutions, academic institutions, mentors, funders, and companies/ entrepreneurs, supported and actively facilitated by the Telangana Government.

AND WHEREAS the RICH and CBIT desire to record the broad terms and conditions that are jointly accepted and agreed to in this MoU as contained hereunder.

1. DEFINITIONS AND INTERPRETATIONS:

1.1 Unless the context otherwise requires or unless otherwise defined or provided for herein, the capitalized terms used in this Agreement shall have the following meanings:

- a. **Applicable Law(s)**” means all applicable central, state and local laws, statute, regulations, orders or directives as may be amended and in effect or re-enacted from time to time , order or other legislative action of any government authority to the extent having the force of law.
- b. **“Confidential Information”** shall mean and include any and all non-public information, data and specifications furnished by any Party to the other Parties, and shall include any and all information and/or data which is obtained, in writing, specifically marked “Confidential” including but not limited to, all tangible information, documents, data, papers, statements, any business/ customer information and trade secrets relating to its business practices (including third parties) or otherwise whether before or after the date hereof and whether in verbal (*if communicated orally then it should be subsequently recorded in writing within thirty (30) days of its disclosure*), written, electronic or graphic format, including but not limited to, all technical and commercial information, data, reports, records, correspondences, notes, compilations, studies, business, product specification(s), financial and marketing information and information, data flow analyses, drawings, business plans and business operations, administrative/ financial/ marketing/ sales, proprietary data and databases, all trade secrets, know how, licenses, designs, schematics, discoveries, inventions, research and development, improvements, source code and object code, concepts, ideas, formulae and processes, know-how, documentation, patterns, parts lists, blueprints, circuit diagrams, devices, prototypes and models, procedures, methods of operation, business and employment policies and practices, this MOU and the Parties rights and obligations hereunder, all Intellectual Property (*as defined hereinafter*) and information communicated by the one Party to the other Parties whether or not marked confidential and whether in tangible or intangible medium and disclosed directly or indirectly.
- c. “FOUNDER PARTNERS” or “PARTNER INSTITUTIONS” shall mean the following
 - **RESEARCH INSTITUTIONS:**
 - i) International Crops Research Institute for the Semi-Arid Tropics “**ICRISAT**”
 - ii) The Centre for Cellular and Molecular Biology “**CCMB**”
 - iii) CSIR-Indian Institute of Chemical Technology “**CSIR-IICT**”
 - iv) L V. Prasad Eye Institute “**LVPEI**”

- **EDUCATIONAL INSTITUTIONS:**

- i) Indian Institute of Technology- Hyderabad “**IIT-H**”
- ii) International Institute of Information Technology, Hyderabad “**IIT-H**”
- iii) Indian School of Business “**ISB**”
- iv) National Academy of Legal Studies and Research “**NALSAR**”

d. “**Intellectual Property**” shall mean any Intellectual Property of any Party including but not limited to patents including patent applications and patents arising from such applications, and continuations of or relating to patents, trademarks, copyrights, registered designs, rights of license, assignment, use, moral rights, right of confidence in know how or technical or commercial information generally and any other such rights or interests in Intellectual Property, developed by the Party, whether or not protected under any law in force and furnished by one Party to the other Parties;

1.2 Clause headings do not affect the interpretation of this agreement.

1.3 A person includes a natural person, a corporate or un-incorporated body (whether or not having a separate legal personality).

1.4 A reference to a particular law is a reference to it as it is in force for the time being taking into account any amendment, extension, application or re-enactment, and includes any subordinate legislation for the time being in force made under it.

1.5 Writing or written includes faxes and e-mail.

1.6 Words in the singular include the plural and in the plural include the singular.

2. Objective of the MoU

RICH facilitates establishing a close collaboration among all Partner Institutions including other participant’s i.e, the corporate, entrepreneurs, service providers, professionals, the Government that will foster a collaborative environment to actively facilitate the process of taking the research to market and bridge the present gaps prevailing in the innovation-entrepreneurship-investment ecosystem. The overall purpose is to help identify, nurture, incubate and commercialize the intellectual property from research and academic institutions for encouraging innovation and entrepreneurship, creating jobs, and benefitting society. **RICH** shall mainly focus on the synergies as enumerated below:

- a) Protection of IP created by Partner Institutions and create mechanisms to license the IP.
- b) Initial evaluations of technical, market, legal and economic feasibility of taking the research to market.

- c) Identification of options for scaling up.
- d) Advising on business models, staffing, go to market strategies.
- e) Coordination between training inputs in design thinking, business management, and project execution, for scientists and entrepreneurs.
- f) Introducing investors at various stages of growth.
- g) Providing technological and managerial advice, as required.
- h) Influence Government Policy for creating an innovation and entrepreneurial culture in the State.
- i) Identifying and documenting the best practices, from across the world, for rapid commercialization of research and innovations.

3. Responsibility of CBIT

CBIT shall develop and document all relevant details of their departmental research projects, incubated technologies/products/startups and/or knowhow to permit smooth and effective technology and knowledge transfer, assist individuals and corporates who approach them through RICH to solve their business or technical challenges, to form a collaborative relationship with all associated Partner Institutions of RICH to create synergies. CBIT shall also support RICH in promoting use of technology and/or knowhow created by all the Partners for commercial purposes.

- a. CBIT will encourage scientists of their departments and incubation centre to make use of RICH's connections, particularly in areas of Engineering, Biotechnology, Plant Breeding, Seed technology, Food Processing, Entrepreneurship or any other areas as mutually identified and accepted.
- b. CBIT will appoint a point of contact for RICH relationship/engagement.
- c. CBIT will ensure that they have appropriate IP on products and services they offer.
- d. CBIT will retain their IP and have full right to decide the commercial value of their products and services.
- e. CBIT will allow RICH to use its name and logo as a Partner solely for the purpose of promoting the objectives of RICH and CBIT initiatives.
- f. CBIT and RICH shall, from time to time, mutually agree a level of fees or contributions to be made to RICH from revenues that accrue to CBIT from so as to enable RICH to continue to provide the services.

4. Responsibilities of RICH

RICH will:

- a. Make adequate arrangements to facilitate easy exchange of information, contacts, proposals, suggestions, contracts, resources and funds.
- b. Facilitate the setting up of right processes and selection criteria for technology transfer for identified startups/innovations/research projects
- c. Facilitate financing test-bedding and growth capital creation to the ventures emerging from the joint activities of CBIT and RICH.
- d. Facilitate internship to students involving its partner organisations, upon screening of suitable students.
- e. Promote and facilitate networking opportunities to CBIT between companies and research institutes.

5. Termination

- a) Either Party shall have the right to terminate the MoU, if the other Party commits a material breach of any of the terms and conditions of the MoU concerned (including under-payment or non-payment of invoices) and fails to rectify the same within 30 days of being requested to do so in writing.
- b) Either Party shall have the right to terminate this MOU without assigning any reason, by giving a 30 days written notice prior to date of termination.
- c) In the eventuality of termination or non-renewal of MoU on expiry of MoU, it would be the responsibility of CBIT and RICH to complete its responsibilities and provide its services (except in case of under or non-payment of invoices) as identified in this MoU.

6. Confidentiality

- (a) Each Party understands and acknowledges that, whether in the course of performance of this MOU or otherwise, it will receive or become aware of Confidential Information of the other Parties. Each Party agrees not to use the Confidential Information in any manner other than in relation to the MOU.
- (b) Each Party hereby agrees that Confidential Information shall not include any of the following: (i) information that is independently developed by the Party without any use of and/or access to the Confidential Information as established by the Party by appropriate documentation; (ii) information that is lawfully received free of restriction from a third party having the right as of the date of such disclosure to so furnish such Confidential Information without any breach of the confidentiality obligation; (iii) information that is in the public domain at the time of disclosure or which thereafter becomes part of the public domain through no wrongful act of the Party; (iv) information that, at the time of disclosure to the Parties, was known to be free of restriction as evidenced by appropriate documentation; (v) information that Parties agree in writing is free of such restrictions.
- (c) Each Party agrees to maintain and to ensure that all its employees, agents, representatives, subcontractors, Affiliates or any other third party maintain, the confidentiality of the Confidential Information in the same manner and degree as it protects the confidentiality of its most important confidential information.
- (d) Nothing in this clause shall prohibit or restrict the Parties from disclosing any Confidential Information to the extent to which the same is required to be disclosed by law, regulation or pursuant to an order of a competent authority. In the event that any of the Party receives such a request to disclose any Confidential Information, that Party shall notify, wherever permissible and practicable, the other Parties of such requirement to the extent practicable and permissible so that the other Parties may seek a protective order or other appropriate remedy.
- (e) In the event of a breach or threatened breach by any Party to the other Parties and /or its employees, agents, representatives of this Clause, monetary damages may not be an adequate remedy; therefore, the non-breaching Party shall be entitled to injunctive or equitable relief to restrain the breaching Party and /or its employees, agents, representatives, Affiliates from any such breach, threatened or actual before any court having competent jurisdiction.

7. General Provisions

- (a) **Forbearance:** The failure on the part of either Party to insist upon the performance of any term or condition of this MOU, to enforce any obligation by the other Party, to claim a breach of any term of this MOU, to exercise any right or privilege conferred in this MOU or to demand any penalties resulting from any breach of any term or condition of this MOU, shall not be construed as a waiver of any term, condition, privilege, right, power or obligation under this MOU and it will not affect any subsequent breach and will not prejudice any Party as regards any subsequent action but the same shall continue and remain in full force and effect. All the waivers, in order to be legally binding, shall be in writing and duly signed by the authorized person of the waiving Party.
- (b) **Amendment:** No change, amendment or modification of any provision of this MOU shall be valid unless set forth in a written instrument signed by all the Parties.
- (c) **Entire MOU:** This MOU sets forth the entire MOU and supersedes any and all prior or contemporaneous MOUs and representations, written or oral, of the Parties with respect to the transactions set forth herein, all of which are excluded, except for fraudulent misrepresentations. The Parties acknowledge that as of the date hereof, no binding commitments exist between the Parties with respect to the subject matter of this MOU except as may be provided herein.
- (d) **Assignment:** Neither this MOU, nor any rights hereunder in whole or in part, shall be assignable or otherwise transferable by the Parties without the express written consent of the other Parties.
- (e) **Severability:** In the event that any provision of this MOU conflicts with the law under which this MOU is to be construed, or if any such provision is held invalid by a court with jurisdiction over the Parties to this MOU, such provision shall be deemed to be restated to reflect as nearly as possible the original intentions of the Parties in accordance with applicable law, and the remainder of this MOU shall remain in full force and effect.
- (f) **Independent Contractors:** The Parties to this MOU are independent of each other. None of the Parties is an agent, representative, or partner of the other Party. None of the Parties shall have any right, power, or authority to enter into any MOU for, or on behalf of, or incur any obligation or liability of, or to otherwise bind, the other Parties.
- (g) **Notice:** Any notice, approval, request, authorization, direction, or other communication under this MOU shall be given in writing, directed to the addresses of the Parties listed below and shall be deemed to have been delivered and given for all purposes: (i) on the delivery date if delivered by electronic mail; (ii) on the delivery date if delivered personally to the Party to whom the same is directed; (iii) in one (3) business day after deposit with a commercial overnight carrier with written verification of receipt.

In the case of notice to CBIT at,

Principal,
Chaitanya Bharathi Institute of Technology(A)
Gandipet, Hyderabad - 500075
8466997201 & 9391033002
principal@cbit.ac.in

In case of a notice to RICH at:

The Director General
Research and Innovation circle of Hyderabad
t-hub, IIT-H
Gachibowli, Hyderabad- 500032
Telangana
E-mail: dg-rich@telangana.gov.in

- (h) **Publicity:** Any and all publicity and/or advertising in connection with this MOU shall be subject to the mutual written MOU of the Parties prior to such disclosure or publication.
- (i) **Governing Law:** This MOU and any action related thereto shall be governed, controlled, interpreted and defined by and under the laws of India and the parties submit to the exclusive jurisdiction of the Courts at Hyderabad.

This MoU may be signed in any number or counterparts, each of which, when signed and delivered, shall be an original, but all such counterparts shall constitute one and the same instrument.

IN WITNESS WHEREOF, the parties hereto have executed this MoU by persons duly authorized as of the date and year first above written.

For CBIT

Signature: 

Principal

Name: Dr. P. Ravinder Reddy,  Chaitanya Bharathi Institute of Technology

(Autonomous)

Designation: Principal,  Gandipet, Hyderabad-500 075.

Address: CBIT, Gandipet, Hyderabad - 500 075

Date: 29.08.2020

Seal:



Witness

Signature: 

Name: Dr. K. Vinay Kumar Reddy

Designation: Assistant Professor

For RICH

Signature:

Name:

Designation:

Address:

Seal:

Witness

Signature:

Bhubesh Kumar <dir-fa-rich@telangana.gov.in>

to director, principal, hr, me, director, hod, Ajit ▼

Dear sir

Happy to inform you that our Director General has approved the MoU.

We will sign the hardcopies post Covid.

Suggest to organize a meeting to prepare an activity plan for the next three months. I am available this week.

Please suggest a suitable date and time.

Regards

Bhubesh



**Report of Community Outreach Program to address District Health
Officials of Vikarabad**

Report of Community Outreach Program (24-06-2022) at Zahirabad

Date: 24-06-2022

Place: District Panchayat Resource Centre Vikarabad, Vikarabad District-501101

Organizers: ACIC CBIT R&E Foundation, Research and Innovation Circle of Hyderabad (RICH), DMHO Vikarabad & ICMR-NIN

Purpose: An interaction session with Health Officials of Vikarabad to understand their problems, skills required and best practices.

Resource Persons/Organizers:

- Shri. R. Bhubesh Kumar Director, Food & Agriculture, Research and Innovation Circle of Hyderabad, Govt. of Telangana
- Dr.J. Sreenivasa Rao, Deputy Director, ICMR-NIN
- Dr.D.D. Thukaraam Bhatt, District Medical & Health Officer
- Dr. M.K.Kaushik, Center Head, ACIC CBIT R&E Foundation
- Dr. Sushmitha Sunder, Head of Life Science, RICH
- Mr. Aravind, Project Manager, Life Sciences, RICH
- Mr. Ateeq Hussain, Young Professional, ACIC CBIT R&E Foundation

Participants:

- Health dept supervisor staff
- Community health officers
- Health Educators
- Public Health Nurses
- MPHEO : Multi purpose health extension officers
- MPHS : Multi purpose health supervisors (male & female)
- MPHA : Multi purpose Health Assistants (only female)
- ICDS : Integrated child development scheme (CDPO's : Child development project officers, ACDPO's : Assistant child development project officers, supervisors)
- District Medical and Health Officer
- Counselor, Vikarabad

Community Outreach Program Focus Areas:

- Community Sensitization (Health, Nutrition, related government programs etc.)
- Community mobilization, health planning, participation in community health and allied activities
- Survey of health and related events

- Mobilizing, counseling and supporting the community to demand and seek health services
- Identifying, managing or referring cases of illness
- Supporting health service delivery through home visits, first-aid and immunizations sessions
- Maintaining data and participating in community-level health planning

Objective

1. To interact with the asha workers to identify problems faced in all stages of delivery of health initiatives in the community
2. To screen and shortlist problem statements which could be solved using engineering technologies.
3. To develop methodologies to conduct a ideathon/hackathon involving students, innovators and start-ups in the region, so as to develop innovative solutions

Problem Statements Identified from Interaction:

1. Handheld IoT Device to check Blood Hemoglobin
2. Multigrain Mix (Health Supplement)
3. Zinc, calcium, vitamin C, Iron- Standard & substandard tablets identification
4. Monitoring and reporting of anganwadi food system- portion tracker (Existing App)
5. Educational tool/ Awareness/Comic Book for Menstrual health and nutrition requirements for women
6. AR/VR product to educate kids on Nutrition
7. Psychometric Analysis tool to identify Champion Health attendee
8. Communication tools for Champion Health attendee- Influencer & Articulator
9. App for Health workers- End to end information dissemination
10. Awareness programs in the community regarding over usage of fertilizers and superstitious beliefs
11. Stress management software for Health Professionals
12. Yoga and Meditation sessions for Health Professionals

Event Photo Gallery:







*****Thank you*****



ACIC CBIT Research & Entrepreneurship Foundation

Community Outreach Program Report

Purpose of Visit:

The vision of the outreach program is twofold:

- To interact with local /Unserved & Underserved communities regarding community problems and eventually come out with innovative solutions which can be taken up by Community Innovators/Students/Startups/Faculty/Researchers
- To scout for Rural Innovations/ Grass root Innovations or Innovators and support them through ACIC CBIT to make market-ready products and enhance their livelihoods

Village visited:

Ravulapalli Village, Rangareddy District, Hyderabad Telangana-501111

Date & Details:

- The visit happened on 18th June 2022
- ACIC Staff were part of the Community Outreach Program
- The village has a population of about 1740 residents with 444 houses
- Information about the village
 - Female Population is 49.4% ,,
 - Village literacy rate is 63.3%
 - Female Literacy rate is 25.7%.

Summary of visit

Meeting with Surpach and Panchayat officers of both Anthapaguda and Ravulapalli villages and explained them about ACIC CBIT and the opportunities provided by the innovation center to bring innovation and entrepreneurship culture in the community. The leaders of few Self Help groups and Youth associations were also present in the meeting

Expected Outcome:

Students, Faculty, Researchers, Startups, and Community/Grassroot Innovators should take up these issues and come out with a solution that solves the community issue and make their life easier.

Capacity Building programs will be conducted for local youth in Electronics & Computers and Innovation & Entrepreneurship to invigorate Innovation mindset and Livelihood enhancement.

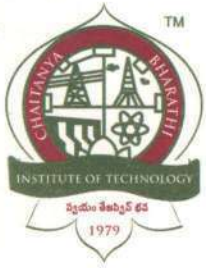
Resource persons :

1. Dr.M.K. Kaushik, Centre Head, ACIC CBIT
2. Mr. Ateeq Hussain, Young Professional, ACIC CBIT Dr.



Photographs of the event





CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING (MOU), is made as of 05th July 2020, between M/s. Chaitanya Bharathi Institute of Technology, Hyderabad (herein after called "CBIT" or "Institute") and M/s Wind Stream Energy Technologies India Private Limited, Hyderabad (A Private Limited Company, incorporated under the Companies Act 1956 and having its Registered Office at Its Floor, SSH Pride, Plot No. 273, Road No. 78, Jubilee Hills, Hyderabad -500096 (Hereinafter called "Wind Stream").

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 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.

Wind Stream Energy Technologies India Private Limited (Wind Stream), is into Wind-Solar (Hybrid) Technology Solutions with Core Operations in Renewable energy Domain integrating Conceptualising, Designing, Integrating and Manufacturing of Equipment and undertaking EPC Works and Maintenance and Training of Equipment for and on behalf of Clients. The Company is supported by a Team of experienced Technical Experts, Professionals and Tradesmen continually developing Products and Processes through the in-house Research and Innovation activity.

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



Recitals:

Wind Stream is interested in engaging with CBIT in areas of Mutual Interest as framework outlined below but not necessarily restricted to those mentioned herein:

With an objective to initiate the attitude of Research and Entrepreneurship approach amongst the Students and Faculty of the Institute and also undertake Research and Innovation Activities in the Area of Wind -Solar Generation with the end to end Solutions it has been decided to work on a collaborative efforts in the areas of:

- Embedding the Block Chain and Artificial Intelligence Technology into the Operations for efficient Controls on Generation and Distribution.
- Work on Products and Processes to facilitate the deploy of Wind- Solar Mills at different Locations to be used for varied purposes and in the unreached Areas of the Land.
- To explore and expand the Areas of Research into Defence and other Related Product Conceptualisations, Applications to support the Inland Security and the Border Security.
- To Work on Areas that could be add-ons to the above Products and Applications for the end to end Solutions.
- Facilitate Internships and Live Projects for Students, thereby giving an opportunity for Students to gain experience in a real Engineering Environment to learn and build on their Potential.
- Encourage Entrepreneurship among Students through thought Leadership and Partnership Engagements.
- Generate Opportunities for Fundamental and applied Research Projects.
- Regular visits by the Technical and Research Team of Wind Stream to CBIT to interact with the Faculty and Students and deliberate on New ideas and New Opportunities and support them with Mentorship from the Industry Experts wherever needed.
- Wind Stream will introduce Scholarships and Reward Programs for Best Contributors.

1. None of the Partners will be held responsible to the other for any loss or damage suffered upon unsuccessful completion of agreed assignment or assignment undertaken.
2. The Partners to this MOU hereby agree that they intend to discharge their obligations in utmost good faith and diligently.
3. The Partners having jointly decided on the Assignment will have equal or pre-decided rights on the joint efforts. They can respectively declare or publicize such initiatives to their respective mutual interests.
4. All such assignments can be processed on policy initiatives of the State, National or International Organizations.
5. Patenting rights will be reserved and amongst the Partners.
6. The resource allocation by partners can be in space, facilities, knowledge, technology and human resources.
7. The Partners agree to start with the following:

Renewable Energy :

- i. DC TO AC Systems for Renewable energy Sources (Wind, Solar and Combined)
- ii. Wind Generators.
- iii. Alternate material for the existing Solar Mill of the Industry.
- iv. Direct Current System- Air Conditioning.
- v. Fast Charging Systems for Battery

Defence :

- i. Technology in different Tactical Operations
- ii. Maximizing the efficiency of Solar Panels especially in extreme Cold conditions,
- iii. Designing Power Storage Systems for Extreme Cold Conditions.

3. Responsibility:

Industry-Academy (Jointly):

- Jointly define Assignment-Problem Statement to be achieved.
- Clear understanding of the Rights and Financial arrangements on case-to-case basis.
- All activities for Testing and Approvals.
- Deploy staff and final year students / interns for the proposed projects as
- Resources. And industry will assign their human resources for the same projects.

Industry:

- Identification of Futuristic Technology which can be commercialized.
- Evaluation of Technology on business prospects and impact on the objectives of the MOU.
- Enabling the process by providing inputs and support the process.

Academy:

- Will enable required Research facilities and exclusive space for the activity.
- Based on the assignment of the company, the Academy will form a competent team of Teaching faculty and Students.
- The timelines for undertaking the assignment will be mutually agreed-upon and delays if any will also be mutually agreed.

4. Evaluation of Co-operation :

The Parties will conduct joint and Periodic reviews to monitor and optimise the Cooperation under this Understanding.

5. Confidentiality Obligation :

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

6. IPR :

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, Wind Stream and Responsible Research Personnel. Parties will discuss and agree in writing regarding the Percentage of Ownership for such Intellectual Property in respective Scope of Work defined in subsequent Understanding / Agreement to this MOU to be signed between the Parties wherever applicable.

7. Publicity:

The Institute will Publish regarding the CoE in the Institute's Publicity Material. Institute will notify Wind Stream atlas 15 days before Publishing. In case of any research Publications arising out of CoE, CBIT-Wind Stream will be acknowledged in the same.

8. Legal Effect :

The Partners therefore agree that they will, at all times, act in good faith and make every effort to resolve all differences by mutual discussion, as to the validity of any terms and conditions of this Agreement or interpretation of any of the provisions of this Agreement. If the Partners fail to settle any dispute or differences as stated herein above, through mutual discussion, within one (1) month of the dispute/differences first arisen, then the same shall be referred to a sole arbitrator mutually appointed by the Partners. The Arbitration proceedings shall be governed by the Indian Arbitration and Conciliation Act, 1996 or any of its subsequent amendments. The venue of the Arbitration shall be at Hyderabad, India only and the proceedings shall be conducted in English. The Partners shall not be entitled to make any legally binding declarations on behalf of the other Partner and nothing in this MOU shall be deemed to constitute formal business grouping, a Joint Venture, Agency, Partnership, interest grouping or any other kind of entity except the establishment of MOU for the purposes defined and explained as mentioned aforesaid. The parties do not intend to be bound by any agreement until both agree to and sign a definitive written contract. Neither party can rely on any promises inconsistent with this paragraph which supersedes all other conflicting language. This MOU shall be construed and interpreted in accordance with the laws of India and the courts of Hyderabad shall have the exclusive jurisdiction in all matters arising there under.

9. Validity :

This MOU is valid for 3 Years from the date of Signing of this MOU. Thereafter the MOU may be renewed for such Term and on Conditions as may be agreed between the Parties.

10. No Assignment :

Neither party without the written consent of the other may assign either the benefit or the burden of this MOU to anybody.

11. Termination:

Either party may terminate the MOU for cogent and logical reasons, by giving to the other party 30 days' Notice in writing.

12. Force Majeure:

Any delay or failure in performance by the Party to this understanding, shall not constitute Default hereunder to give rise to any claims for damages against the 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, Lockouts or other concerted acts of Workmen, Fires, Floods, Explosions, Blocakges, Embargoes, Riots, War, Rebellion, Sabotage, Extraordinary Severe Weather, Pandemic situation, Civil commotion and Criminal Acts of Third Person.

13. Entire agreement :

This document represents the entire agreement between the Parties regarding the subject matter of this MOU and can only be amended or modified by an agreement in writing signed by the Parties hereto.

IN WITNESS WHEREOF, the Partners to the MOU have through their authorized Representatives executed these Presents on the Day, Month and Year first mentioned above.

IN WITNESS WHEREOF, the Parties to this Memorandum of Understanding have through their respective authorized Representatives, have executed these Presents and affixed their Hands and Common Seal of their respective Companies on the Day, Month and Year first above mentioned.

For Wind Stream Energy Technologies India Private Limited,
Represented by Sri Venkat Kumar Tangirala, Managing Director.
Common Seal of

Wind Stream Energy Technologies India Private Limited,
(Signature of authorized Representative)

Has been affixed in pursuant to Board Resolution Dated: ... 7th July 2020

Name: ... N.V.K. KUMAR TANGIRALA


Signature:

Designation: ... Managing Director



For, M/s. Chaitanya Bharathi Institute of Technology Represented
by, Principal, Dr. P. Ravinder Reddy


Signature:

Designation: Principal

Common Seal of
For, M/s. Chaitanya Bharathi Institute of Technology
(Signature of authorized Representative)
Has been affixed



**MEMORANDUM OF UNDERSTANDING
(MoU)**

BETWEEN

**CHAITANYA BHARATHI INSTITUTE OF
TECHNOLOGY (A)
(Affiliated to Osmania University)
Gandipet, Hyderabad – 75**

&

**Navata Supply Chain Solutions
Kothapet, Hyderabad – 500035
Telangana**

FOR

**SKILL DEVELOPMENT, OUTCOME BASED TRAININGS,
PLACEMENT, R&D SERVICES AND RELATED SERVICES**

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on this the 30TH DAY OF – JUNE – Two Thousand and Twenty (2020), by and between

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), GANDIPET, HYDERABAD represented herein by Dr. P. Ravinder Reddy, Principal (hereinafter referred as 'First Party', the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

AND

NAVATA SUPPLY CHAIN SOLUTIONS, THE SECOND PARTY, and represented herein by its CEO, HIMA PARAVATANANI, (hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party') as

WHEREAS:

- A) First Party is a Higher Educational Institution named:
 - (i) **CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)**
- B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interests.
- E) **NAVATA SUPPLY CHAIN SOLUTIONS, TELANGANA**, the Second Party is engaged in Business, Consulting, Skill Development, Education and R&D Services in the fields of *Logistics and Supply Chain Management* and related fields.
- F) **NAVATA SUPPLY CHAIN SOLUTIONS, TELANGANA**, the Second Party is promoted by Navata Group which has over 40 years of experience in logistics.
- G) Navata group has been pivotal in shaping the logistics industry since 1956. They currently employ over 4000 people (including drivers and cleaners), operate 400 + GPS equipped vehicles, serving 40,000+ locations across 10 states in India. They offer complete logistics solutions to support a customer's end to end supply chain requirement.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOWS:

~ P. Hima

NAVATA SUPPLY CHAIN SOLUTIONS (P) LTD.
H. No. 11-10-212/11, Road No. 1,
Vijayapuri Colony, K.R. Nagar,
HYDERABAD

Research

CLAUSE 1
CO-OPERATION

Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the Institution and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.

Chaitanya Bharathi Institute of Technology and Navata Supply Chain Solutions co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of **Chaitanya Bharathi Institute of Technology** providing significant inputs to them in developing suitable teaching / training systems, keeping in mind the needs of the industry, **Navata Supply Chain Solutions**.

The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

CLAUSE 2
SCOPE OF THE MoU

The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.

Curriculum Design: Navata Supply Chain Solutions will give valuable inputs to the First Party in teaching / training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.

Industrial Training & Visits: Industry and Institution interaction will give an insight in to the latest developments / requirements of the industries; Navata Supply Chain Solutions to permit the Faculty and Students of Chaitanya Bharathi Institute of Technology to visit its group companies and also involve in Industrial Training Programs for Chaitanya Bharathi Institute of Technology. The industrial training and exposure provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career. Navata Supply Chain Solutions will provide its Labs / Workshops / Industrial Sites for the hands-on training of the learners enrolled with the First Party.

P. Hama

NAVATA SUPPLY CHAIN SOLUTIONS (P) LTD.
H. No. 11-10-312/1, Road No. 1,
Vijayapuri Colony, Koilapet,
Mornagar, HYDERABAD-500082

Research and Development: Both Parties have agreed to carry out the joint research activities in the fields of **Logistics and Supply Chain Management**.

Skill Development Programs: Navata Supply Chain Solutions to train the students of Chaitanya Bharathi Institute of Technology on the emerging technologies in order to bridge the skill gap and make them industry ready.

Guest Lectures: Navata Supply Chain Solutions to extend the necessary support to deliver guest lectures to the students of the Chaitanya Bharathi Institute of Technology on the technology trends and in house requirements.

Faculty Development Programs: Navata Supply Chain Solutions to train the Faculties of Chaitanya Bharathi Institute of Technology for imparting training as per the industrial requirement considering the National Occupational Standards in concerned sector, if available.

Placement of Trained Students: Navata Supply Chain Solutions will actively engage to help the delivery of the training and placement of students of the First Party into internships;

First party to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programmes on the terms specified herein

Financial commitment if any on the part of this MoU will be dealt separately by both parties.

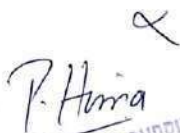
CLAUSE 3 INTELLECTUAL PROPERTY

3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

CLAUSE 4 VALIDITY

This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period **Navata Supply Chain Solutions**, the Second Party, as the case may be, will take effective steps for implementation of this MOU. Any act on the part of **Training Partner** or **Navata Supply Chain Solutions**, the Second Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MOU

Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations


NAVATA SUPPLY CHAIN SOLUTIONS (P) LTD.
H. No. 11-10-312/1, Road No. 1,
Vijayaperi Colony, Kothapet
Hyderabad, HYD-500080

**CLAUSE 5
RELATIONSHIP BETWEEN THE PARTIES**

5.1 It is expressly agreed that **Chaitanya Bharathi Institute of Technology** and **Navata Supply Chain Solutions** are acting under this MOU as independent parties, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.


NAVATA SUPPLY CHAIN SOLUTIONS (P) LTD.
 H. No. 11-10-312/1, Road No. 1,
 Vijayapuri Colony, Kothapet,
 Hyderabad - 500085.

Chaitanya Bharathi Institute of Technology
First Party

Navata Supply Chain Solutions
Second Party


Any divergence or difference derived from the interpretation or application of the MoU shall be resolved by arbitration between the parties as per the Arbitration Act, 1996. The place of the arbitration shall be at District Head Quarters of the First Party. This undertaking is to be construed in accordance with Indian Law with exclusive jurisdiction in the Courts of **Hyderabad**.

AGREED:

For **Chaitanya Bharathi Institute of Technology**

For **Navata Supply Chain Solutions**

Authorized Signatory

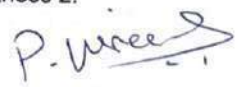


 Authorized Signatory
NAVATA SUPPLY CHAIN SOLUTIONS (P) LTD.
 H. No. 11-10-312/1, Road No. 1,
 Vijayapuri Colony, Kothapet,
 Hyderabad - 500085.

Chaitanya Bharathi Institute of Technology	Navata Supply Chain Solutions
Gandipet, Hyderabad	Kothapet, Hyderabad
Ph: 8466997201; 040-24193276	Ph: 9100069688
E-mail: principal@cbit.ac.in	E-mail: hima@navatascs.com
www.cbit.ac.in	www.navatascs.com

Witness 1:

Witness 2:

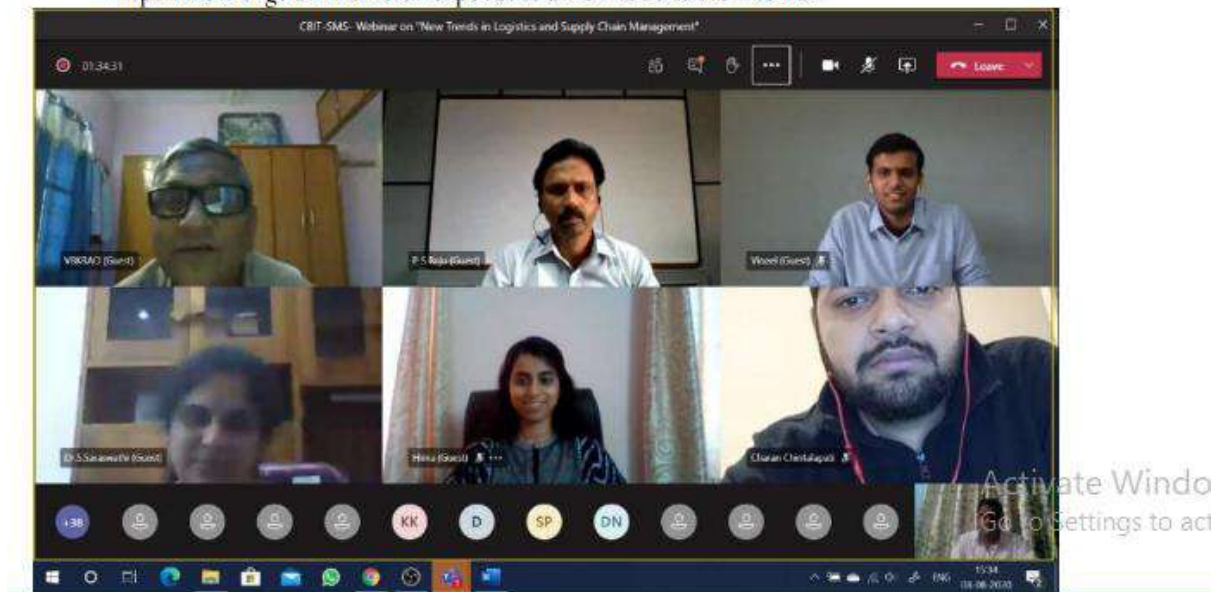


Witness 3:

Witness 4:



- Mr.S Tulasi Ram, Assistant Professor and Mr.V Balaji Kesava Rao, Assistant Professor of Practice, CBIT-SMS in association with Navata Supply Chain Solutions, organized a Webinar on “New Trends in Logistics and Supply Chain Management” on 08th August 2020 from 03.30 PM to 05.30 PM. The Webinar was intended for target audience of all levels of Executives from Logistics and Transportation Industry, Academicians and Students willing to pursue their career in Logistics and Supply Chain Management. A total number of 916 individuals across the Nation and the World registered for the Webinar. The main objective of webinar was to bring Awareness on Latest and Emerging Technologies relevant to Logistics and Supply Chain Management. The outcome of the webinar was to understand and apply the latest and the best industry practices in the field of Logistics and Supply Chain Management. The key note speakers were the Practitioners. There in depth knowledge and hands-on experience added value to the webinar.





తెలంగాణ తెలంగాణ TELANGANA

No. 1455 Date: 10/10/17 Rs. 100/-

Issued To: B. D. Sanjay R/Hyd
For: B. V. Dasarath Rao
or Whom: Director CSIR IIT Hyderabad

Bhavanii
Y. BHAVANI K 415002

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Village, Uppal (M), R.R.Dist.
500 039. Ph : 9030009256

MEMORANDUM OF UNDERSTANDING (MoU)

between

Chaitanya Bharathi Institute of Technology (A), Hyderabad
and

CSIR-Indian Institute of Chemical Technology, Hyderabad

1. The MOU

This Memorandum of Understanding entered into on 28th day of Feb., 2020 between CSIR-Indian Institute of Chemical Technology, Uppal Road, Tarnaka, Hyderabad- 500 007, Telangana, a constituent unit of the Council of Scientific and Industrial Research (CSIR), a Society Registered Under Societies Registration Act (XXI of 1860), having its Registered Office at Anusandhan Bhavan, Rafi Marg, New Delhi – 110 001 (hereinafter referred to as

CSIR-IICT, which expression shall where the context so admits include its Successors and permitted Assignees)

AND

2. Chaitanya Bharathi Institute of Technology (A) Kokapet (V), Gandipet, Hydearbad-500075, Telangana (hereinafter referred to as **CBIT (A)**, which expression shall where the context so admits include its Successors and permitted Assignees) of the other Part.

WHEREAS CSIR-IICT has expertise in conducting R & D studies in following Areas:

- Synthetic Organic Chemistry
- Natural Products Chemistry
- Lipid Science and Technology
- Polymers & Functional Materials
- Catalysis & Advanced Materials
- Crop Protection Chemicals and Integrated Pest Management
- Chemical & Mechanical Engineering Sciences
- Medicinal Chemistry & Pharmacology
- Biology & Bioinformatics
- Chemical Biology
- Environmental Sciences
- Bioinformatics
- Cheminformatics
- Pharmacy
- Molecular Modelling

3. WHEREAS **CBIT (A)**, currently offering UG, and PG Programmes, is having facilities in the above areas for conducting Research and Training leading to Degree, and Post-Graduation Programmes offered in the faculties of Science, Engineering, and Management. **CBIT (A)**, has the expertise in conducting Research in the areas of Chemical Engineering, Environmental Engineering/Science, Computational Fluid Dynamics, Nanotechnology, Membrane Separation, Biochemistry, Biotechnology, Bioinformatics, Synthetic Organic Chemistry etc.

4. WHEREAS CSIR- IICT and **CBIT (A)** have agreed to collaborate in the following Areas:
- Teaching, Research and Training in selected and advanced thrust areas in S&T.
 - To Collaborate and write Project proposals in areas of mutual interest and submit to various Agencies/Industries for funding.
 - Exchange of Scientists, Faculty & Students in Collaborative Projects on areas of Expertise as mentioned above.
 - Thrust on Skill Development, Certification Courses, Training Programme offered to external Agencies (Private & Public sector Organizations, Educational Institutions and other Research Institutes to name a few).
 - Any other Areas of mutual interest.
5. CSIR-IICT and **CBIT (A)** agreed to enter into separate Agreements on Case to Case basis, with the scope of work involving Terms and Conditions, Financial arrangements, Intellectual Property Rights and respective responsibilities.
6. Whereas this MOU is valid for 5 Years from the date of signing. However, MOU may be extended for further period or curtailed with mutual consent.
7. Except as hereinbefore provided, any dispute arising out of this MOU, the same shall be referred to the Arbitration of two Arbitrators one^s to be appointed by each Party to the dispute, and in case of difference of opinion between them to a 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. The Venue of Arbitration shall be such place as may be fixed by such Arbitrators or Umpire and the Arbitration Proceedings shall take place under the Indian Arbitration Act, 1940 as modified in 1996.
8. This MOU has been executed in two Originals; one of these has been retained by CSIR-IICT and the other by **CBIT (A)**.

In Witness whereof, the Parties hereto have signed this MOU on the Day, Month and Year mentioned herein before,

Signed, Sealed and Delivered

For and on behalf of
CSIR - IICT, Hyderabad-500007

Signature

Name: **Dr. A Gangagni Rao**
Designation: Chief Scientist & Chairman
Human Resource Management Committee
CSIR - IICT, Uppal Road,
Tarnaka, Hyderabad-500007
Telangana

Dr. A. Gangagni Rao
Chief Scientist
Seal Head, Human Resource Management Committee (HRMC)
CSIR-Indian Institute of Chemical Technology (IICT)
Hyderabad-500 007, India.
Ministry of Science & Technology, Govt of India.

Date: 20/02/2020

Witnesses (Name & Address)

1.
20/02/2020
Dr. M. Chandrasekharam
वरिष्ठ प्रधान वैज्ञानिक और अध्यक्ष / Senior Principal Scientist & Chair
ज्ञान एवं सूचना प्रबंधन विभाग / Dept. of Knowledge & Information Management (DKIM)
सी.एस.आइ.आर - भारतीय रासायनिक प्रौद्योगिकी संस्थान
CSIR-Indian Institute of Chemical Technology
विज्ञान और प्रौद्योगिकी मंत्रालय, भारत सरकार / Ministry of Science & Technology, Govt. of India
हैदराबाद/ Hyderabad - 500 007, तेलंगाना/ Telangana, भारत / India

20.02.2020
डॉ. विनीत अनिया/Dr. Vineet Aniya
वैज्ञानिक/Scientist
Process Engineering & Technology
Transfer Department)
सीएसआईआर-भारतीय रासायनिक प्रौद्योगिकी संस्थान
SIR-Indian Institute of Chemical Technology
Ministry of Science and Technology, Govt. of India,
Tarnaka, Hyderabad-500 007, India

Signed, Sealed and Delivered

For and on behalf of
CBIT (A), Hyderabad 500075

Signature

Name: **Dr. P Ravinder Reddy**
Designation: Principal
CBIT (A), Kokapet (V), Gandipet,
Hyderabad-500075, Telangana

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

Date: 28/02/2020

Witnesses (Name & Address)

1.
DR. B. SHEEDHARA RAO
Ph.D.,
HEAD
Dept. of Chemical Engineering
Chaitanya Bharathi Institute of Technology
Gandipet, Hyderabad-500 075.
2. Harsha Nagar
Assistant Professor
Chemical Engineering Department
Chaitanya Bharathi Institute of
Technology Gandipet, Hyderabad 500075

27/02/2020



सी.एस.आइ.आर - भारतीय रासायनिक प्रौद्योगिकी संस्थान
CSIR - Indian Institute of Chemical Technology



(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)
(Council of Scientific & Industrial Research)

विज्ञान और प्रौद्योगिकी मंत्रालय, भारत सरकार / Ministry of Science & Technology Govt. of India
तारनाका Tarnaka, हैदराबाद Hyderabad - 500 007. भारत India

CERTIFICATE

This is to certify that the project entitled "*Determining the lysine residue site of IDH2 protein responsible for its Ubiquitination*" submitted by S Deepak Mohan Reddy in partial fulfillment of the requirement for the award of the degree of **B.Tech Biotechnology** at Chaitanya Bharathi Institute of Technology (A), Affiliated to Osmania University is a record of Bonafide work carried out by him under my guidance during the internship period (17-01-2022 to 10-05-2022). The project fulfills the requirements as per the regulations of this Institute and in my opinion meets the standards for submission. The content of this report has not been submitted and will not be submitted either in part or in full for the award of Degree or Diploma in this Institute or any other Institute or University.

Dr. Nishant S. Jain
Senior Scientist

Department of Applied Biology
CSIR-Indian Institute of Chemical Technology
Hyderabad - 500 007.

Dr. S Nishant Jain
Principal Scientist

, Department of Applied Biology,
CSIR-IICT, Tarnaka, Hyderabad - 500007
E-mail: nishant@iict.res.in

Date: 25.05.2022



MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (“MOU”) is signed on [17] February, 2020 in Hyderabad, Telangana

BETWEEN

INNOPARK VENTURES, an Initiative of INNOPARK (INDIA) PRIVATE LIMITED, a company incorporated under the Companies Act, 1956 and validly existing in the Companies Act, 2013, having its registered office at 5th Floor, Unit 2A/1 (Octave Block) at Parcel 4, Salarpuria Sattva Knowledge Park, Madhapur, Hyderabad, Telangana, India - 500081, represented by Ms. Sita Pallacholla, Authorised Signatory (hereinafter referred to as “**Innopark Ventures**” which expression shall unless excluded by or repugnant to the subject or context be deemed to include its successors and assigns) of the **ONE PART**,

AND

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, a Premier Autonomous Engineering College, located at Hyderabad, Represented by its Principal/Dean Dr. P. Ravinder Reddy, (hereafter referred to as “**CBIT**” which term shall unless repugnant to the context mean and include its Successors in-interest and permitted Assignees) of the **SECOND PART**.

The Innopark and the CBIT are hereinafter individually referred to as “**Party**” and collectively as “**Parties**”.

WHEREAS

- a) The Innopark Ventures is in the business of Investment in Tech-enabled Innovative Ideas, promote Start-Ups and such other activities which may be necessary and incidental to the aforesaid objects.
- b) The CBIT is one of the premier Private Engineering College, which is desirous of providing its Students an opportunity to demonstrate and explore new and innovative Tech ideas and develop the Entrepreneurial Skills and for which CBIT is willing to offer a space in their campus to set-up an office of Innopark Ventures.
- c) The Innopark Ventures is desirous of providing the said services to the Students of CBIT via various programs under INNO-BIT initiative.

INNOPARK (INDIA) PVT.LTD.

5th Floor, Unit 2A/1 (Octave Block) at Parcel 4,
Salarpuria Sattva Knowledge Park, Madhapur,
Hyderabad, Telangana, India - 500081

CIN: U72200TG2004PTC044383

T: 040 4519 0099
E: info@innopark.in
W: www.innopark.in



The parties hereby agree to the following:

1. The CBIT agrees to provide the Innopark Ventures a workspace, which will be free from all the applicable cost, to set-up their office in the R&E Building of CBIT campus, inclusive of all the facilities as may be available in the campus. Further, the CBIT agrees to provide at least 30 (thirty) students to assist in facilitation of all programs of INNO-BIT.
2. The Innopark Ventures agrees to conduct various entrepreneurship programs under INNO-BIT initiative such as Hackathon, Master Classes (Knowledge Sharing Sessions), Pitching and Mentoring Sessions, at the workspace provided by the CBIT.
3. The Innopark Ventures further agrees that they will sponsor the Students of CBIT, either in-full or half or as the case may be, the entire expenses of students incurred in aforesaid programs of INNO-BIT. However, the discretion to sponsor the students lies completely on Innopark Ventures and same will be overseen and managed jointly with the officials of CBIT.
4. The Innopark Ventures furthermore agrees that the expert team or invitees of Innopark Ventures will encourage, instill and support the Entrepreneurial efforts of the Students in transforming their ideas into profitable ventures by conducting various Hackathons, Master Classes (Knowledge Sharing Sessions), Pitching and Mentoring Sessions.
5. The Innopark Ventures further agrees that they will support financially, technically and administratively to the students whose idea(s) are duly approved by the investment committee and tech team of Innopark Pvt Ltd in exchange of equity in their venture.
6. The CBIT further agrees that they will allow the students of other colleges to attend the programs scheduled under INNO-BIT, to bring more competitiveness among the students.
7. The term of this MOU is 1 (One) year from the date of execution, which is subject to renewal based on the mutual discussion between the parties.
8. The CBIT agrees to extend an exclusive right in favor of Innopark Ventures for arranging and organizing all the Events, Programs and Seminar etc. w.r.t. the aforesaid activities. Furthermore, before approving any of the similar service providers and investors, the CBIT shall inform and give requisite preference to Innopark Ventures for conducting any other relative activities.

INNOPARK (INDIA) PVT.LTD.

5th Floor, Unit 2A/1 (Octave Block) at Parcel 4,
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CIN: U72200TG2004PTC044383



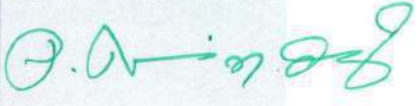

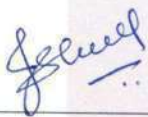

T: 040 4519 0099
E: info@innopark.in
W: www.innopark.in



9. This MOU will become effective when signed by both Parties. The MOU will remain in effect for one (1) year from the date of execution and may be renewed or amended by mutual Agreement of the Parties. The Parties agree to periodically review the activities undertaken and the progress made and to consult concerning Amendments, Renewal or Termination of this MOU.

IN WITNESS WHEREOF, the parties have caused this agreement to be executed by their duly authorized representatives as of the date written above

Signed and delivered by the

<p>For INNOPARK VENTURES</p>   <p>Name: SITA PALLACHOLLA Designation: CEO</p>	<p>For CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY</p>   <p>Name: Dr. P. RAVINDRAN Designation: PRINCIPAL</p>
<p>WITNESS: 1. Name: JOHANNAH S. HULL Address: Signature: </p>	<p>2. Dr. N. L. N. Reddy Name: ^{CDX} Address: Director, CBIT Signature: </p>

2. Hyderabad Institute of Electrical Engineers (HIEE) is a Private Institute which provides and Industry oriented training in Electrical discipline to fill the gap between Industry needs and Students Academic Skills.

- Main aim of the Institute is to promote Placements, Internships, Workshops and Projects.
- MoU document



**MEMORANDUM OF UNDERSTANDING
BETWEEN**



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

AND

HYDERABAD INSTITUTE OF ELECTRICAL ENGINEERS (HIEE)

This Memorandum of Understanding (MOU) establishes a type of partnership between HIEE and CBIT.

I. MISSION:

Hyderabad Institute of Electrical Engineers (HIEE) is an India's one of the best Institutes for Electrical Designing Courses which is located in Hyderabad provides an Industry oriented training in Electrical discipline to fill the gap between Industry needs and Students Academic Skills. HIEE established in the year 2010. We are ISO certified, trained more than 1200 Students so far.

Chaitanya Bharathi Institute of Technology (A) ensures high standards to Educate, Enrich and Excel the Professional Programs, by Eminent Faculty who endeavors to mould the Students into Socially responsible Professionals through Creative Team Work, Innovation and Research.

Together, we enter into this Memorandum of Understanding to promote PLACEMENTS, INTERNSHIPS, WORKSHOPS AND PROJECTS. Accordingly, HIEE and CBIT (A) operating under this MOU agree as follows:

II. PURPOSE AND SCOPE

HIEE and CBIT (A) describe the intended results or effects that the Organizations hope to achieve and the Area(s) that the specific Activities will cover.

Benefits to CBIT:

- Job oriented Training
- Practical Oriented Sessions
- Real time Projects
- Industry Visits
- Certificate
- Placements
- Workshops and Guest Lecturers

Who is the target?

Students of EEE

- 2nd year III Semester for Workshops.
- 2nd year IV Semester for Industry Visits.
- 3rd year V Semester for Mini Projects.
- 3rd year VI Semester and Summer for Job Oriented Training.
- 4th year for Placements and Real time Projects.

III. TERMS OF UNDERSTANDING

The term of this MOU is for a period of 3 Years with effect from 14/02/2020. This MOU can be extended upon written mutual Agreement. It shall be *reviewed annually* to ensure that it is fulfilling its purpose and to make any necessary revisions.

Either Organization may terminate this MOU upon thirty (30) days written Notice without Penalties or Liabilities.

Authorization

The signing of this MOU is not a formal Undertaking. It implies that the Signatories will strive to reach, to the best of their ability, the Objectives stated in the MOU.

On behalf of the organization I represent, I wish to sign this MOU and contribute to its further development.

Name of the Organization:

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (CBIT)


Principal



14/02/2020

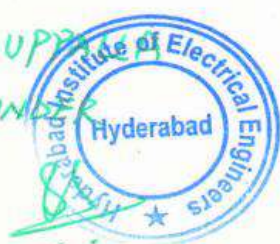
Name: Chaitanya Bharathi Institute of Technology
(Autonomous)
Designation: Gandipet, Hyderabad-500 075

Partnering Organization:

HYDERABAD INSTITUTE OF ELECTRICAL ENGINEERS

14/02/2020

Name: SRIKANTH MURTHY
Designation: Co-Founder



- The term of this MoU is for a period of 3 years with effect from 14/02/2020
- Coordinator and Co-Coordinator for this MoU are Dr. G Suresh Babu and Sri. N. Santosh Kumar
- First year students of CBIT have undergone 2-weeks internship.
- As a part of MoU students of CBIT had Virtual Visit of 132/ 33 kV Substation in September-2021
- As a part of MoU with CBIT (A), Hyderabad Institute of Electrical Engineers (HIEE)-Industry Oriented Skill –based learning platform conducted a Free Webinar, Topic “Employability Skills for Electrical Engineers” on 22nd November 2020 at 10:30 am.



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

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

- 1 Duration two weeks (80hrs)**
from (13-09-2021 to 25-09-2021)
- 2 Virtual Industrial Visits.**
- 3 Basics of Electrical Systems**
- 4 Home Energy Audit**
- 5 Electrical Protection System.**
- 6 Solar PV Plant Design.**
- 7 Regular Assignments**
- 8 Quiz**

Dr. G. Suresh Babu
Head, Dept. of EEE

Co-ordinators
Dr. T. Sudhakar Babu
Associate Professor,
EEE Dept. CBIT (A)

N.Santosh Kumar
Assistant Professor,
EEE Dept. CBIT (A)



HIEE - EMPOWERING ENGINEERS

Internship Schedule

S.No	Date	Class	Handled By
1	13th September	Module -1 Basics of Electrical Engineering	Madan
2	14th September	Module -1 Basics of Electrical Engineering	Madan
3	15th September	Module-2: Power factor Correction	Madan
4	16th September	Module-2: Power factor Correction	Madan
5	17th September	Module-3: Circuit Breaker Selection and Sizing	Madan
6	18th September	Test on Basics	
7	20th September	Module-3: Circuit Breaker Selection and Sizing	Madan
8	21st September	Module-4: Instrument Transformers	Madan
9	22nd September	Module-4: Instrument Transformers	Madan
10	23rd September	Module-5: Relays	Madan
11	24th September	Module-5: Relays	Madan
12	25th September	Module-6: Solar PV Plant Design	Madan
13	26th September	Test on CB_CT_PT_Relays	
14	27th September	Module-6: Solar PV Plant Design	Madan



HIEE - EMPOWERING ENGINEERS

Days	Tasks	Duration required to Finish Task
Day 1	Lecture	1 Hr
	Doubts Clarification	1 Hr
	Assignment to be done by students	2 Hrs
Day 2	Lecture	1 Hr
	Doubts Clarification	1 Hr
	Assignment to be done by students	2 Hrs
Day 3	Lecture	1 Hr
	Doubts Clarification	1 Hr
	Assignment to be done by students	2 Hrs
Day 4	Lecture	1 Hr
	Doubts Clarification	1 Hr
	Assignment to be done by students	2 Hrs
Day 5	Lecture	1 Hr
	Doubts Clarification	1 Hr
	Assignment to be done by students	2 Hrs
Day 6	Lecture	1 Hr
	Doubts Clarification	1 Hr
	Assignment to be done by students	2 Hrs
Day 7	Lecture	1 Hr
	Doubts Clarification	1 Hr
	Assignment to be done by students	2 Hrs
Day 8	Lecture	1 Hr
	Doubts Clarification	1 Hr
	Assignment to be done by students	2 Hrs
Day 9	Lecture	1 Hr
	Doubts Clarification	1 Hr
	Assignment to be done by students	2 Hrs
Day 10	Lecture	1 Hr
	Doubts Clarification	1 Hr
	Assignment to be done by students	2 Hrs
Day 11	Lecture	1 Hr
	Doubts Clarification	1 Hr
	Assignment to be done by students	2 Hrs
Day 12	Lecture	1 Hr
	Doubts Clarification	1 Hr
	Assignment to be done by students	2 Hrs
Day 13	Lecture	1 Hr
	Doubts Clarification	1 Hr
	Assignment to be done by students	2 Hrs
Day 14	Lecture	1 Hr
	Doubts Clarification	1 Hr
	Assignment to be done by students	2 Hrs
Day 15	Lecture	1 Hr
	Doubts Clarification	1 Hr
	Assignment to be done by students	2 Hrs
	Total Hours Required in a Week	4 Hours * 5 Days
		20 Hours
	Total Hours required in Internship	4 Hours* 15 Days
		90 Hours

STUDENTS REGISTERED FOR INTERNSHIP-2021

S.n o	Name	Email	Phone
1	G. Ajitha	ajithagollapudi2003@gmail.com	9866417851
2	Chinnala Monitha Sai	nmschinnala@gmail.com	8801112518
3	Vaishnavi D	1098vaishnavi@gmail.com	9701268265
4	N.Saiarun	Saiarunnandikonda2911@gmail.com	9392815459
5	Devesh bahadur newar	deveshnewar24@gmail.com	9398274218
6	P.Sravan Kumar	Shravankumar998937@gmail.com	6302293416
7	P.Azeez Khan	patanazeezkhan1@gmail.com	7032301307
8	V.Shivani	shivanivaspari22@gmail.com	9848377527
9	Bashaboina Raju	bashaboinaraju817@gmail.com	9392578835
10	S.Pavan kumar	sanganipavan22@gmail.com	8179297766
11	Shivanadhula Saiteja	shivanadhulasaiteja@gmail.com	9182016030
12	Abhishek Toluva	toluvaabhishek2002@gmail.com	09515723373
13	Charan kumar	chintakuntacharankumar@gmail.com	9392345564
14	Beethi Vivek	Vivekbeethi@gmail.com	9701140302
15	Vadde Ganesh	vaddeganesh683@gmail.com	9347585913
16	Dharavath Sai Kumar	dharavathsaikumar1404@gmail.com	6303434683
17	Tejasri	Cheelatejasri18@gmail.com	9121966354
18	Ferdoues MD	chotuferdoues@gmail.com	9701946360
19	G. Sreeshma	gsreeshma2@gmail.com	7780116400
20	Pallavi	pallavi.arukonda@gmail.com	8179012483
21	Aisha Naseema	aisha.n0905@gmail.com	9505973584
22	Nendralla Bhavana	banunendralla@gmail.com	8099601104
23	Makthala uday Kiran Goud	udaymakthala@gmail.com	8688594476
24	Shaik Ayesha Farheen	ayeshafarheen2123@gmail.com	9014337035
25	Noureen Sultana	noureensultana14@gmail.com	9014048139
26	Nalla Vishnu Teja	inspiringvishnu@gmail.com	9701119797
27	Mohammad Rayyan	mohdrayyan2429@gmail.com	7995838138
28	M Pavani	pavanimallaiahgari11@gmail.com	8143741262
29	Arpula Akshay	arpulaakshay022@gmail.com	7287078216
30	Anthannagari Navya Vaishnavi	navyaanthanna@gmail.com	9391718513
31	Niharika dandu	niharikadandu423@gmail.com	9963314232
32	S.Hruday pradyunnath	Surineni.hr@gmail.com	8008481987
33	Hareesh teja	Bathulahareeshteja@gmail.com	8074317606
34	Gadde Gnandeep	gnandeepthelerner321@gmail.com	9885206649
35	Praghnay reddy	praghnayreddy@gmail.com	6304506210

36	Pidugu.Swathi	P.venkatesh0981@gmail.com	7386080151
37	Jaya Sai Tanmayi Kanchapu	kanchapu32@gmail.com	6309402912
38	Pavan Kalyan Vadgure	pavankalyanvadgure9441@gmail.com	8919537120
39	Kundana Pooskur	kundanapooskur25@gmail.com	9393851221
40	Sakam manikanta reddy	sakammanikantareddy@gmail.com	7013567977
41	Meesala Manoj Koushik Sosa	mmksosa2002@gmail.com	8919603580
42	Jagadeesh Vallala	jy160120735148@gmail.com	9912482903
43	Narasimha Kasu	narasimhakasu0009@gmail.com	9390312415
44	Chiluveri Vishnu Vardhan	vishnuchiluveri998@gmail.com	7093534878
45	L.Shiva pranay	shiva.pranay456@gmail.com	8106793943
46	Hareyaank rasamadugu	Hareyaank@gmail.com	8374975242
47	Gunda Srinitha	gundasrinithareddy@gmail.com	7793974039
48	Sai Niranshu Annam	niranshu.ann@gmail.com	9676303716
49	Anumala Vishnu Vardhan	vjvishnu264@gmail.com	9346816578
50	Vutukuri Gopichand	vutukurigopichand328@gmail.com	8790529190
51	Rohitha Vavilala	rohitavavilala94@gmail.com	7382180858
52	A.Pravalika	pravalikaanthani@gmail.com	7793974039
53	Pranay Pusuluri	pusuluriaravinda@gmail.com	9849715834
54	Mahesh	veenamahesh2001@gmail.com	08008135444
55	M.Shreyan	shreyanmarri@gmail.com	7337329669
56	Macharla Siddhartha	siddharthamacharla12@gmail.com	9398750965
57	varshitha vaidya	vaidyavarshitha@gmail.com	9347816368
58	Adithya Battu	battuadithya@gmail.com	9542700428
59	Medari Mahendar	medarimahendar03@gmail.com	9000717202
60	Sai Shashank Vishwanath	ugs204122_ece.sai@cbit.org.in	7997616441
61	P Krishna Vamshi	krishnavamshipasupula@gmail.com	9063701361
62	Kiran Kumar M	mkirankumar2468@gmail.com	9611282499

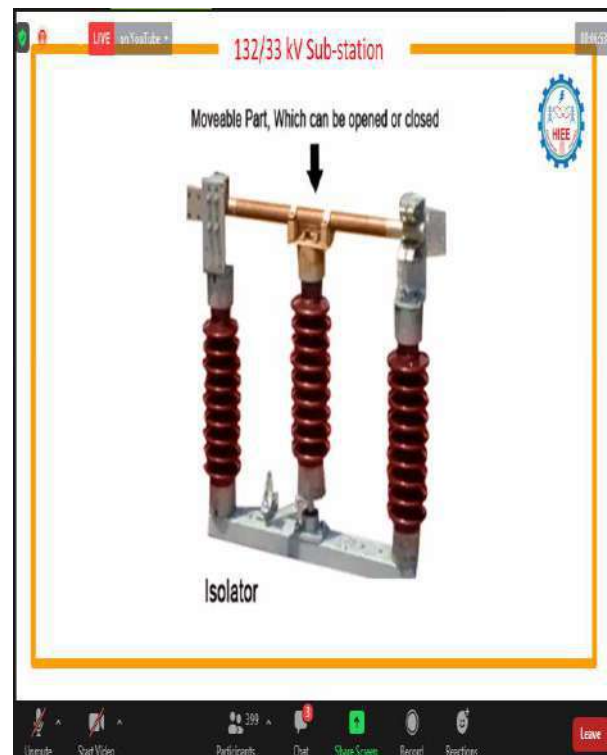
Current Transformers

Current transformers are used for measuring the current as well as for protection purposes. In this substation 2 pole isolators are used for minimum ground clearance .The main equipment used to step-down the voltage level from 132 kV to 33 kV is by using “Stepdown Transformer” i.e. Auto-Transformer. It is used in the place of normal two winding transformer because it consists of only one winding which acts as both primary winding and secondary winding. But in two winding transformer there are two windings it needs more copper. Transformers are provided with many types of protections like differential protection, trip coil protection, trouble alarm protection, oil protection, winding temperature protection on-load tap changing, over flux, under voltage, HV/LV etc.,

CURRENT TRANSFORMER:
The Instrument transformer which step downs current to a rated value of connected instrument

Current Transformer Nameplate

ALSA SWITCHGEAR					
CURRENT TRANSFORMER	TYPE	INDO 345 AS	NO. 7734.129		
INSULATION LEVEL	HIGHEST SYSTEM VOLTAGE		50 KV		
STANDARD	IEC 187	RATING FACTOR		1.3	
TOTAL MASS	653 kg		MANUFACTURING YEAR		
	1986				
PI-PRE	1,1	1,2	1,3	4,5	4,3
50-62	54-63	51,62	50-62	51-52	51-63
NOV	2001	0001	2001	0001	4001, 8001
UNIT			760 1800		
OUTPUT	25	50	115	30	
CLASS	SP20	SP20	0.5F4	0.5F45	1 2
ACCURACY			0.10/0.2 0.2/0.4		




Potential Transformer

Potential transformer is actually a instrument transformer that used in power systems to step down primary current voltages and secondary voltages from a higher level to lower secondary potential output voltage level. This transformer can be easily measured by the ordinary low voltage instrument like a voltmeter, wattmeter and watt-hour meters, etc. This kind of transformer is commonly referred to as a "step-down" voltage transformer which lowers the voltage of a high voltage circuit to a lower voltage circuit for the intention of measuring voltage drops. Potential transformers are connected across or parallel to the line which is being measured to record phase angle errors or ratio errors.

132/33 kV Sub-station

VOLTAGE TRANSFORMER(VT):

The Instrument transformer which step downs voltage to a rated value of connected instrument



1. Main Frame
2. Top Cover
3. Bottom Cover
4. Core
5. Winding
6. Oil
7. Bushing
8. Terminal
9. Insulator
10. Support
11. Base
12. Foundation
13. Grounding
14. Protection
15. Cooling
16. Venting
17. Breathing
18. Sealing
19. Gaskets
20. Washers
21. Bolts
22. Nuts
23. Spacers
24. Shims
25. Plates
26. Brackets
27. Channels
28. Angles
29. Flanges
30. Covers
31. Doors
32. Locks
33. Handles
34. Keys
35. Screws
36. Rivets
37. Welds
38. Castings
39. Forgings
40. Fabrications

132/33 kV Sub-station



Electrical Isolators

Electrical isolators separate a part of the system from rest for safe maintenance works. So the definition of isolator can be rewritten as an isolator is a manually operated mechanical switch which separates a part of the electrical power. Isolators are used to open a circuit under no load. Its main purpose is to isolate one portion of the circuit from the other and is not intended to be opened while current is flowing in the line.

132/33 kV Sub-station

ISOLATOR AND EARTH SWITCH

Isolator is the device, which makes & breaks circuits in no load condition.

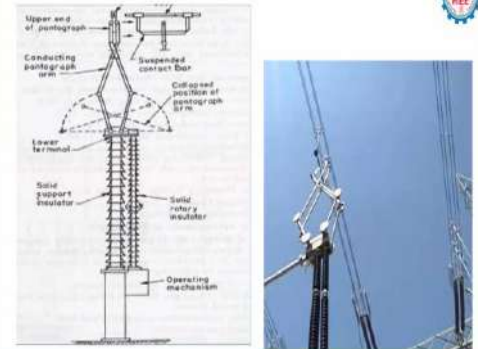
It is an OFF-LOAD Switch

Types of Isolators:

- a) Centre Break Rotating Type Isolator.
- b) Double Break Rotating Type Isolator.
- c) Pantograph Type Isolator.
- d) Tandem Isolator.

132/33 kV Sub-station

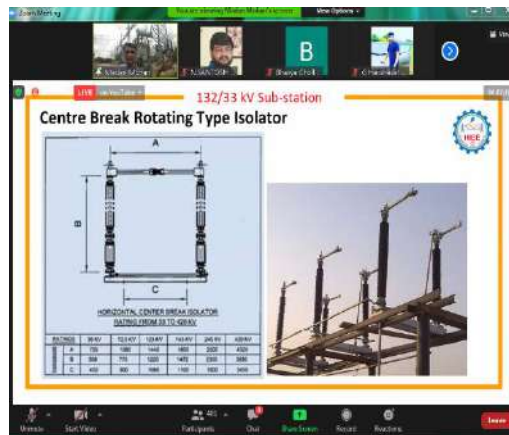
Pantograph Isolator



Earthing Switches

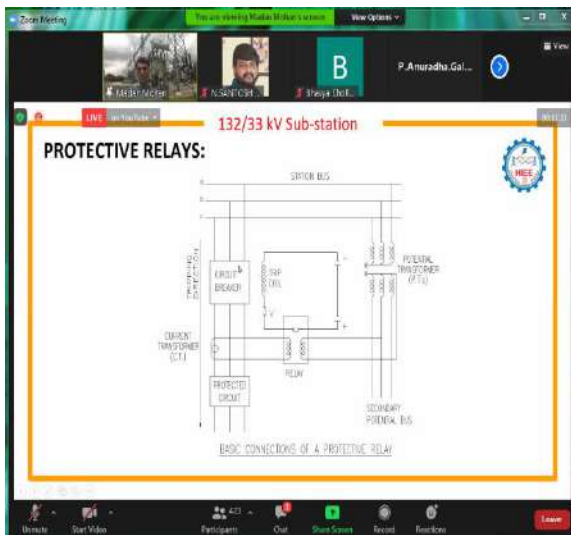
Earthing switches are mounted on the base of line side isolator. Earthing switches are usually vertically broken switches. Earthing arms (contact arm of earthing switch) usually are aligned horizontally at off condition during switching on the operation, these earthing arms rotate and move to vertical position and make contact with earth female contacts fitted at the top of the post insulator stack of the isolator at its outgoing side. The earthing arms are so interlocked with the main isolator moving contacts that it can be closed only when the primary contacts of the isolator are in open position. Similarly,

the main isolator contacts can be closed only when the earthing arms are in open position.



Relays

Relay is used to sense the signals and these signals are sent to Circuit Breaker at faulty condition. Relays used in the substation are of Distance relays, Buchholz relay etc. Distance relays are provided for distance protection at feeders. Buchholz relays are present in between the transformer main tank and the conservator tank. These relays are used for transformer protection. The transformers used are of 20KV/31.5MVA. The transformer protection involves the Differential relay and Buchholz relay. The differential relay normally respond to those faults which occur inside the differential protection zone of transformer. The Buchholz relay actuates the circuit breakers during faulty conditions. It gives an alarm in case of slow developing faults or in the transformer and disconnects the transformer from the mains supply. This relay is used in oil immersed transformers of rating above 750kVA.



Circuit Breakers:

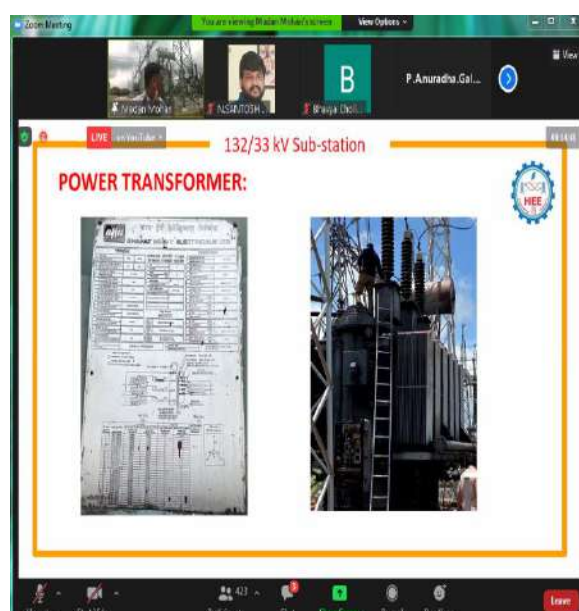
Circuit breaker always trip the circuit but open contacts of breaker cannot be visible physically from outside of the breaker, and that is why it is recommended not to touch any electrical circuit just by switching off the circuit breaker. So for better safety, there must be some arrangement so that one can see the open condition of the section of the circuit before touching it.

SF6 is used for 132 kV & 220 kV for protection, whereas vacuum circuit breakers are used for the protection of low voltage lines i.e., 11 kV & 33 kV. SF6 gas provides gaseous dielectric for high voltage applications. Because of this reason this type of circuit breakers are employed in industrial applications. The main reason for employing this type of circuit breakers is because of its advantageous properties like: 1. High Dielectric strength 2. Thermal Stability 3. Good thermal conductivity

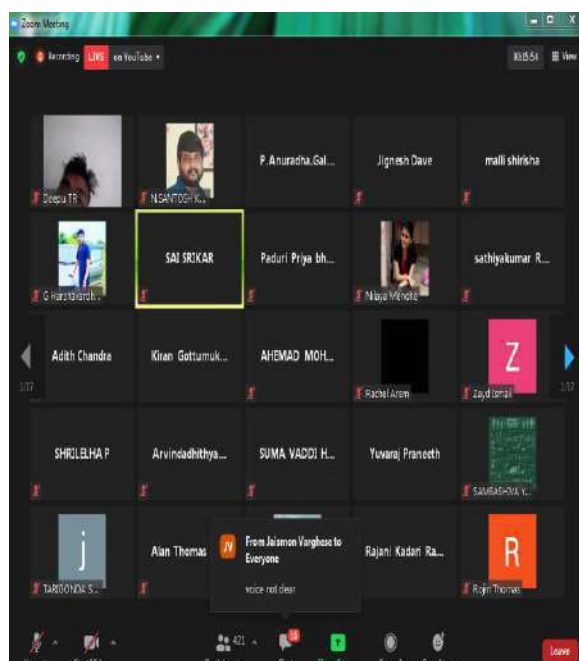
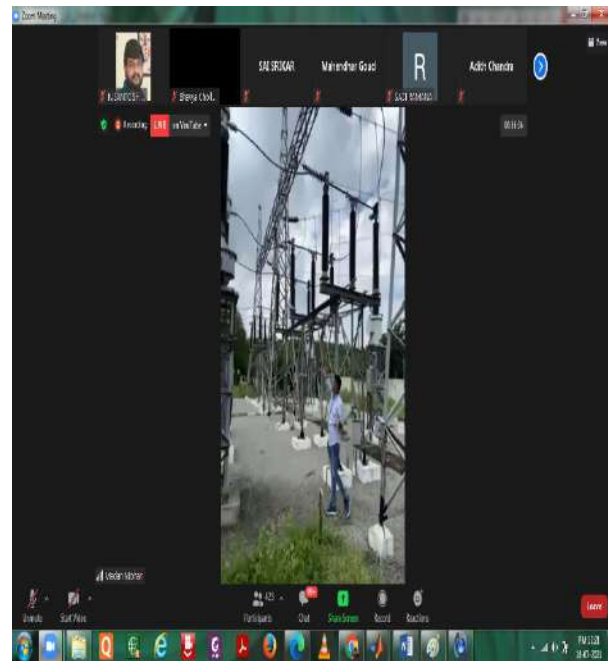
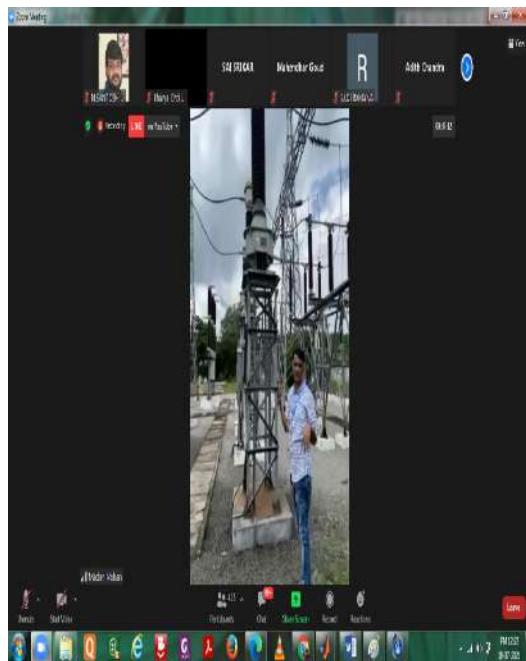
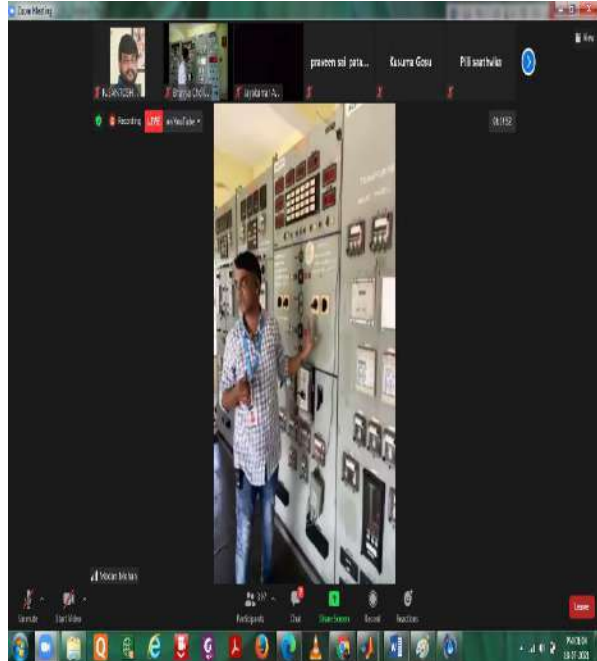
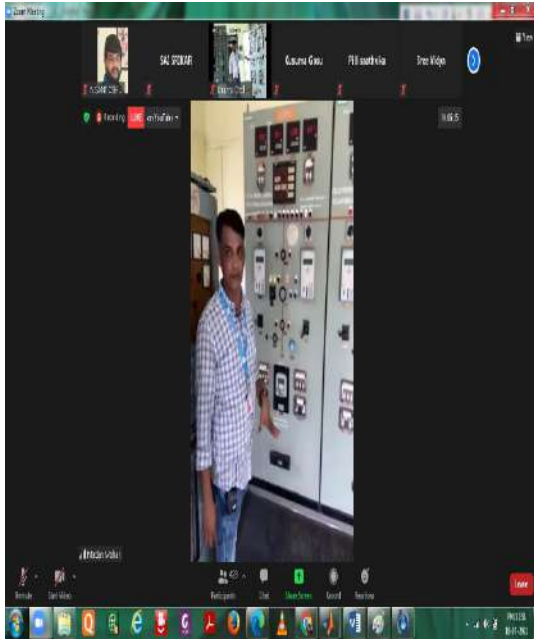


Power Transformer

A power transformer is a static machine used for transforming power from one circuit to another without changing the frequency. As there is no rotating or moving parts, a transformer is classified as a static device. Transformer operates on an AC supply. Transformers operate based on the principle of mutual induction. Generation of electrical power in low voltage level is very much cost effective. Theoretically, this low voltage level power can be transmitted to the receiving end. This low voltage power if transmitted results in greater line current which indeed causes more line losses. But if the voltage level of a power is increased, the current of the power is reduced which causes reduction in ohmic or I^2R losses in the system, reduction in cross-sectional area of the conductor i.e. reduction in capital cost of the system and it also improves the voltage regulation of the system. Because of these, low level power must be stepped up for efficient electrical power transmission. This is done by step up transformer at the sending side of the power system network. As this high voltage power may not be distributed to the consumers directly, this must be stepped down to the desired level at the receiving end with the help of step down transformer. Electrical power transformer thus plays a vital role in power transmission.



Control panels come in many shapes and sizes. They range from a small box on a wall through to long rows of cabinets located in dedicated plant areas. Some controls are located in a control room, under the supervision of a small team of production coordinators whilst others are placed close to machinery and are under the control of certain production operatives. Another form of control panel, common in the UK, is the Motor Control Centre or MCC, which includes all of the motor starting and control equipment to drive heavy plant, and which may, in certain circumstances include high voltage supplies such as 3.3 kV and 11 kV.



**A
REPORT
ON
Employability Skills for Electrical Engineers
(22nd November 2020)
By
Mr. Ramesh Balla
General Manager, Servomax Limited.**

As a part of MoU with CBIT (A), Hyderabad Institute of Electrical Engineers (HIEE)-Industry Oriented Skill –based learning platform conducted a Free Webinar, Topic “Employability Skills for Electrical Engineers” on 22nd November 2020 at 10:30 am.

Employability Skills for Electrical Engineers

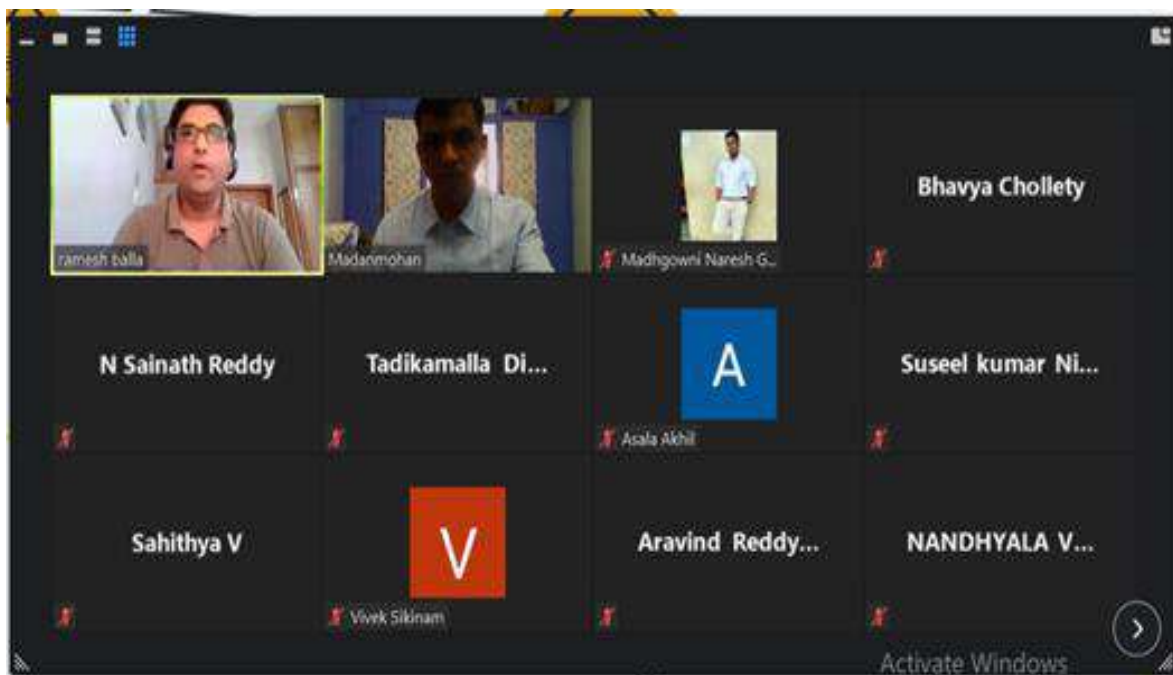
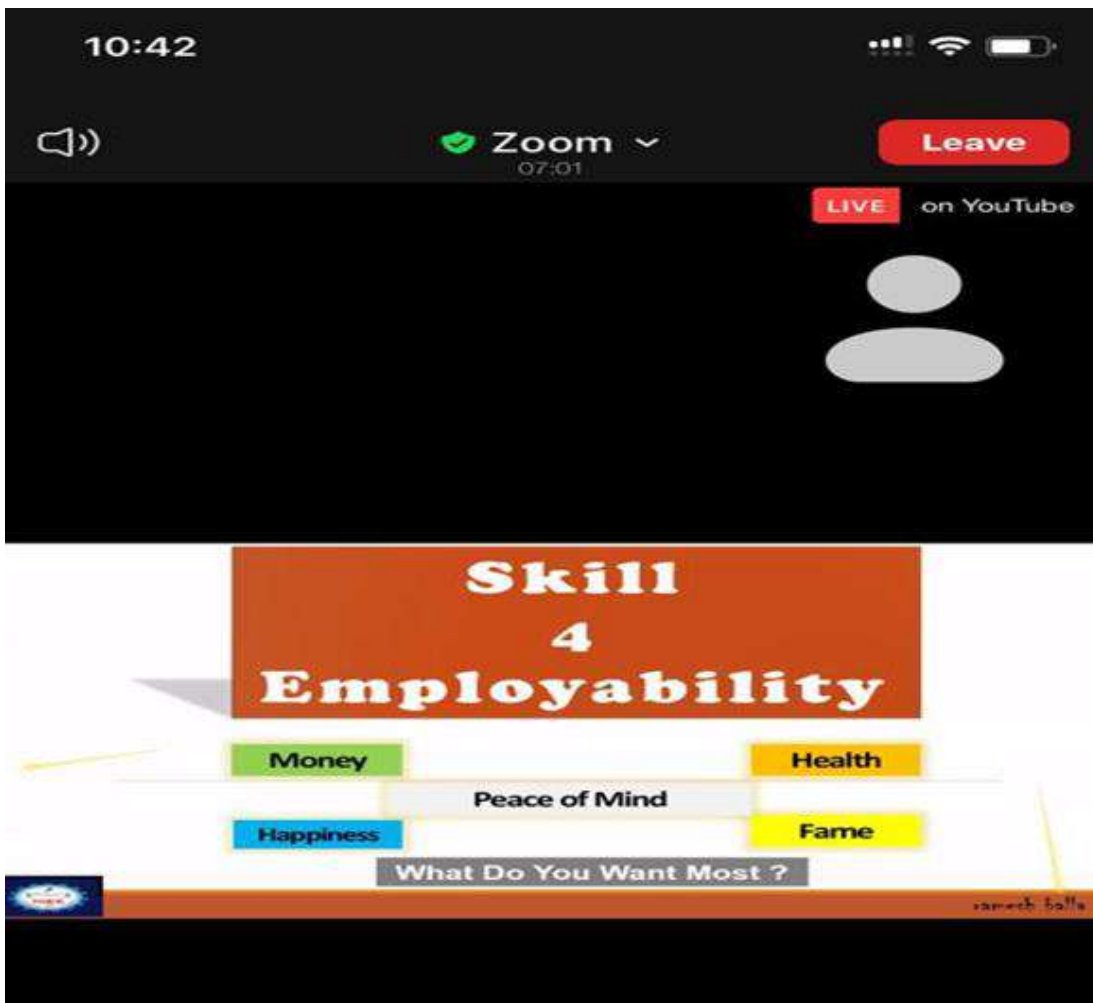
Date and Time : 22nd November, 10:30AM

**FREE
WEBINAR**

Ramesh Balla

General Manager,
Servo care by Servomax limited





He started the webinar by speaking about the life cycle which takes different turns in life.

- Majority of life is in career.
- Marriage, kids, schooling-college.
- Buying a house, gold, home needs.
- Finally medicines.

Frame work for Dream Job or Career ahead

- What I want to do?
- What is my quality? My strengths
- Area of specialization/Interest?
- How long can I do this?

He gave 4i abbreviation as

- Identify
- Ideate
- Improve
- Implement

Identify:-

- What u want to do?
- Where u want to go? Life
- What is your play area? (Strong)
- How your skill Map v/s is learned map

Ideate:-

- How/what I can do more?
- Strategy for to be in a role.
- What after 5 years?
- Can you be consistent/grow?

Improve:-

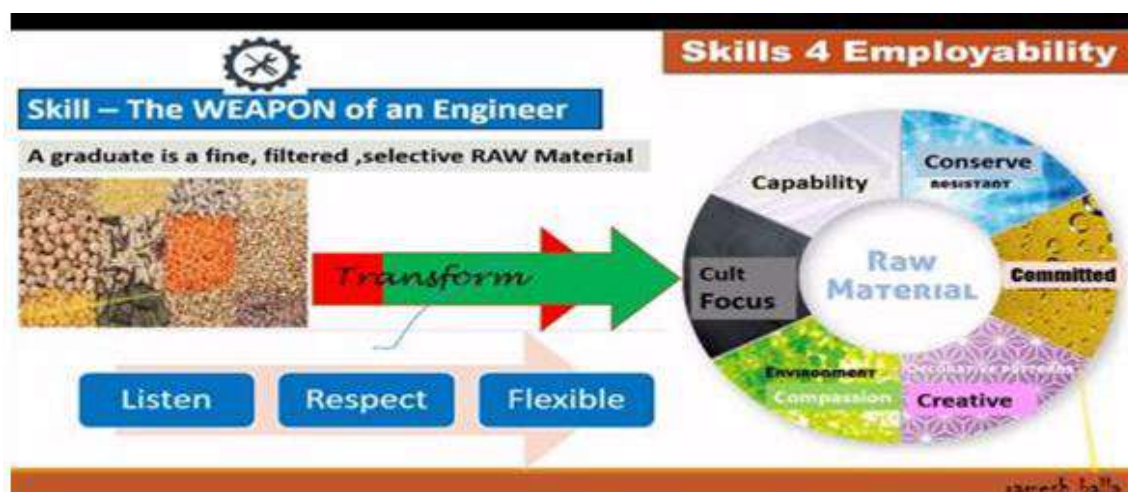
- Skills-multitasking
- Communication and writing ability
- Job search
- Negotiations

Implement:-

- Action Plan
- Profiling
- Networking
- Presence

Top Employability Skills

- Self Management
- Problem solver





- Team Work
- Technology
- Learning and Communication
- Ideation and Futuristic,
- Entrepreneurship

Resume/ CV

Cover letter

Interview skills

Way to talk

Dressing Sense

Behaviour

- SKILL v/s TALENT

Talent-Natural

Talent is inherent ability

Selective people selective field

Recognition

Coaching for expertise

Student life

Skill-Practice

External task to be learnt

You have to develop

Anyone can possess it by practice

Development process

Training & Professional life

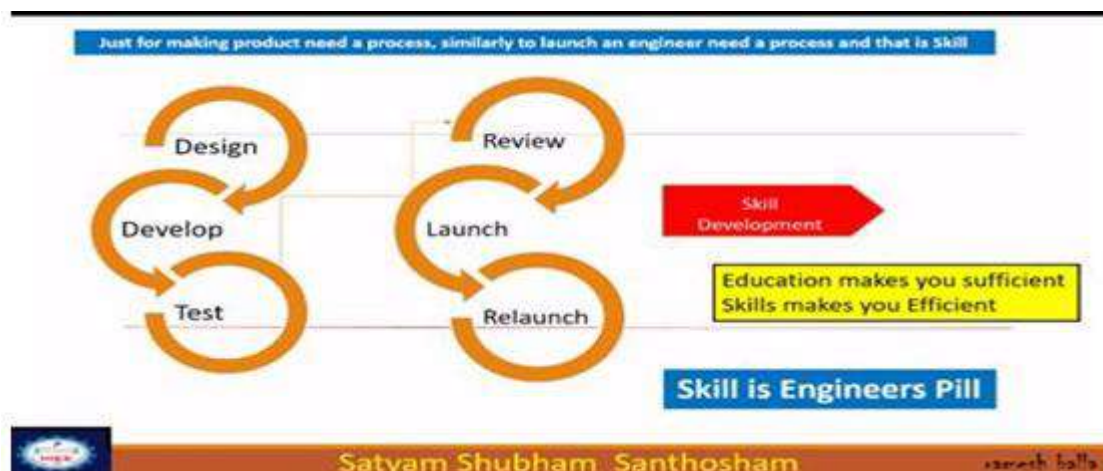
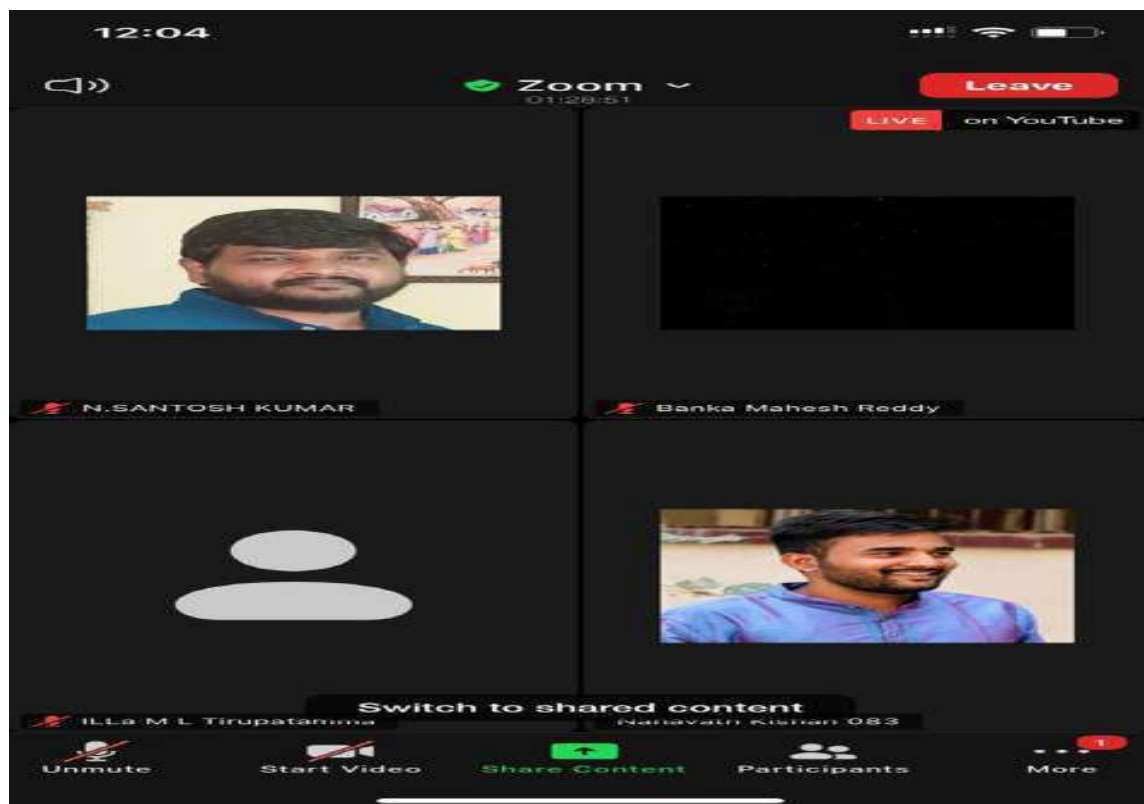
- Mother is the most skilled employ of this nature.
- Skill is a Journey- not destination
- Steps to achieve success

Knowledge -> Hardworking -> Scalability -> Committed -> Success
Avoid

Ego -> Cheating -> Fear -> Jealousy -> Laziness

List of Students attended the webinar

Veditha	Lakshmi	veditha12345@gmail.com		2021 Cbit
Rathanakar Reddy	Dhornala	ugs17313_eee.d@cbit.org.in		2021 CBIT, HYd
SAI	TEJASWINI	keerthijashusai35@gmail.com		2021 CBIT HYDERABAD
Amaan	Farooqui	amaan12farooqui@gmail.com	Pursing	CBIT
Adithya	Kulakarni	adithyakulakarni2018@gmail.com		2022 CBIT
Yenugandula	Ranadheer	yenugandularana123@gmail.com		2021 CBIT
Akshaya	Lanka	ugs19305_eee.lanka@cbit.org.in		2023 CBIT
Banka Mahesh	Reddy	bmr145138@gmail.com		2021 CBIT
Akhil	Reddy G	akhilvarma1205@gmail.com		2021 CBIT
Hrishikes	Duttaluri	saihrishikes08@gmail.com		2021 CBIT
Nanavath	Kishan	Kishansrinivas123@gmail.com		2021 Cbit
Nagaraju	Pendela	Ugs17316_eee.p@cbit.org.in		2021 CBIT
Atheli	Vijay chandra	athelivijay@gmail.com	2021(May be)	CBIT
Adith	Chandra	adithchandra2001@gmail.com		2022 Cbit
Keerthana	Chimarla	ceeks0911@gmail.com		2022 CBIT



Final words you to keep in mind till you reach your end of professional career

- Gainful Employability
– value system, balanced life, skill development
- Equal Weightage & Importance to Spiritual Advancement
– aggressive at the same time calm and quite
- Contributing Value around the society
– Have to be part of social development with self
- Nature is Superior
– Love, Save, Conserve, Educate, Pray to live here



Success comes to those who are Success Conscious

Well panned life will succeed more

Only the people who take learning, growth and skills development into their own hands will be tomorrow's leaders.
— At. J. P. Jeyaraj —



Recognising that the future growth of India will depend on greater skill development, the National Policy for Skill Development aims to create a skilled workforce of 500 million by 2022.
— At. J. P. Jeyaraj —

Keep Your Eyes on the FUTURE. Not on Your circumstances.



Vote of Thanks Proposed by Sri Madan Mohan, CEO, HIEE.



3. Cares Renewables Private Limited, Coimbatore is a private limited company, which will set up a Centre of Excellence (CoE) “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 and Faculty of CBIT to gain Knowledge and Experience on new Solar Photovoltaic Technologies being introduced in the Market. It is intended to 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.
- MoU document

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 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.

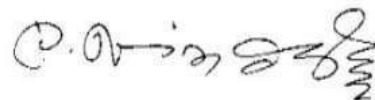
For
Cares Renewables Pvt. Ltd.
Coimbatore

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

By



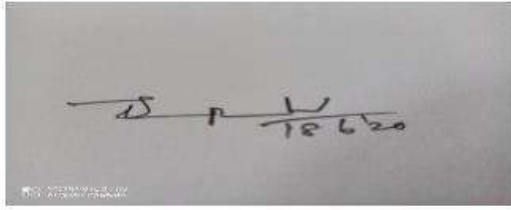
By



Name: Mr. Raguram A

Director - Operations

Witness:



A photograph of a handwritten signature in black ink on a white background. The signature appears to be 'Dr. G Suresh Babu' and is dated '18/6/20'.

Dr G Suresh Babu

Professor - EEE

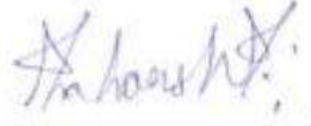
CBIT (A)

Hyderabad

Name Dr. P. Ravinder Reddy

Principal

Witness:



A photograph of a handwritten signature in blue ink on a white background. The signature appears to be 'Mr. Siva Harsh S'.

Mr Siva Harsh S

Director Strategy

Cares Renewables Pvt. Ltd.

Coimbatore

- The term of this MoU is for a period of 5 years with effect from 18/06/2020
- Coordinator and Co-Coordinator for this MoU are **Dr. G Suresh Babu** and **Sri. N. Santosh Kumar**
- As a part of MoU with Dept. of EEE-CBIT (A), CARES-Renewables conducted an Awareness session called DAWN [Detailed Awareness for Novice] on Wednesday 09.09.2020, 4pm -5pm.
- Report of Program

A
REPORT
ON

Detailed AWareness for Novice [DAWN]

(09th September 2020)

By

Sri. Siva Harsh S

Director - Strategy and Marketing Cares Renewables Pvt Ltd

As a part of MoU with Dept. of EEE-CBIT (A), CARES-Renewables conducted an Awareness session called DAWN [Detailed AWareness for Novice] on Wednesday 09.09.2020, 4pm -5pm.

In this regard CARES-Renewables, COIMBATTORE is to set up a Centre of Excellence (CoE) “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 and Faculty of CBIT to gain Knowledge and Experience on new Solar Photovoltaic Technologies being introduced in the Market. It is intended to 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.

Topic:

Solar analytics based on IoT driven Data Collection for Solar Photo Voltaic Technologies

Speaker:

Siva Harsh S,
Director - Strategy and Marketing Cares Renewables Pvt Ltd

Hosted by

Dr. G. Suresh Babu, HoD EEE Dept. CBIT (A),

Sri. P.Hemeshwar Chary, Asst. Professor, EEE Dept. CBIT (A)

Sri. N. Santosh Kumar, Asst. Professor, EEE Dept. CBIT (A)

A Total of 54 participants attended the Awareness Session

- Sri. Siva Harsh S Spoke about the overview “CARES-Renewables” and

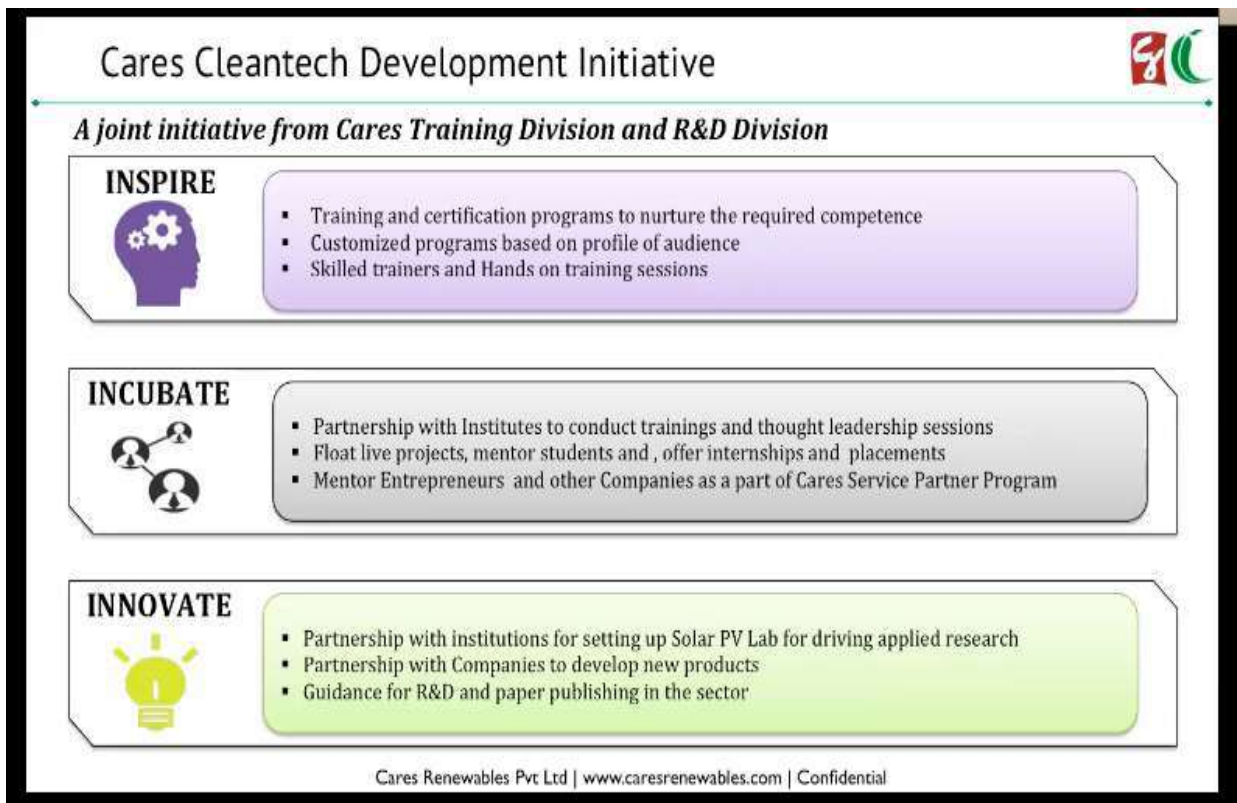


Cares Overview

Established in 2012	250+ Projects	Consultant for 200 MW + Projects
4.5 MW+ SaveGen Rooftop Projects	7,000+ Professionals Trained	6 Research Labs
33 + Service Partners	Presence in 6 States and expanding	MNRE Partner under SETNET

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- The Training on solar PV for students: Cares Cleantech Development Initiative.



Cares Cleantech Development Initiative

A joint initiative from Cares Training Division and R&D Division

INSPIRE

- Training and certification programs to nurture the required competence
- Customized programs based on profile of audience
- Skilled trainers and Hands on training sessions

INCUBATE

- Partnership with Institutes to conduct trainings and thought leadership sessions
- Float live projects, mentor students and , offer internships and placements
- Mentor Entrepreneurs and other Companies as a part of Cares Service Partner Program

INNOVATE

- Partnership with institutions for setting up Solar PV Lab for driving applied research
- Partnership with Companies to develop new products
- Guidance for R&D and paper publishing in the sector

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- The Important Client base of “CARES-Renewables” were mentioned.

Key Clientele



and more...

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- Sri. Siva Harsh S Introduced the Participants to the New Technologies in Solar PV Renewable System

Following are the topics covered

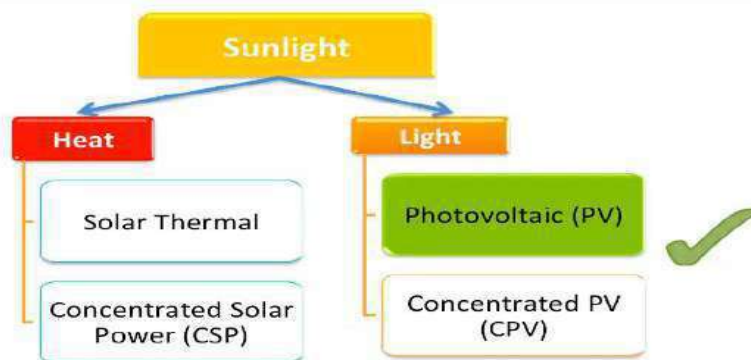
- Introduction to Solar PV
- KPI of Inverter and Solar Panel
- Solar Monitoring and Data Collection
- Demo of Solar Monitoring Portal
- Demo of Consolidated Portal



INTRO TO SOLAR PV

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Sunlight Components

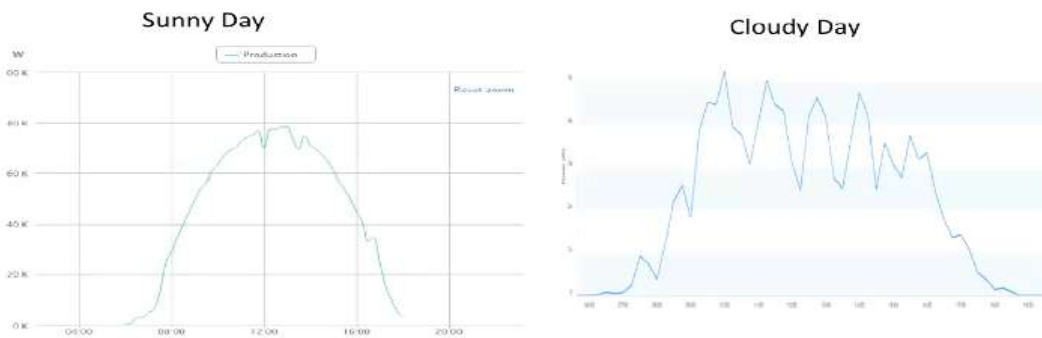


Sun's Position in the Sky Keeps Changing



Less photons... means less electrons... less power

Solar is not a constant source



Solar Power Production Changes with Time

Solar is not a constant source of Power



Since, earth moves...

Possible Solutions

Complement the power source

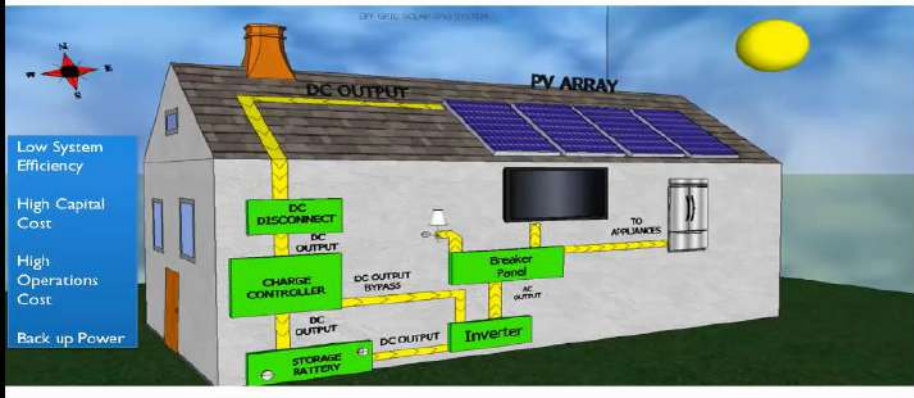
Store it & use it

Use it as and when available, without storage ??

- During the session The Participants were introduced to the Various Types of Solar PV Systems



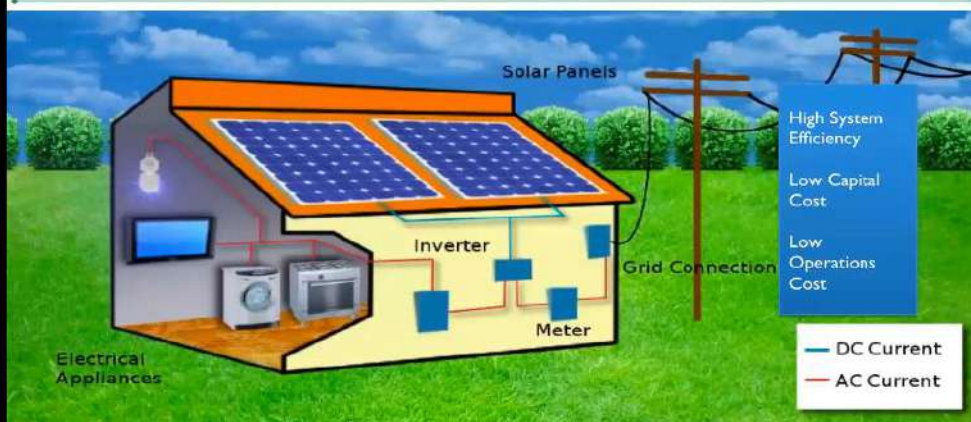
Type of Solar PV Systems – Off Grid



- Low System Efficiency
- High Capital Cost
- High Operations Cost
- Back up Power



Type of Solar PV Systems – Grid Connected



- High System Efficiency
- Low Capital Cost
- Low Operations Cost

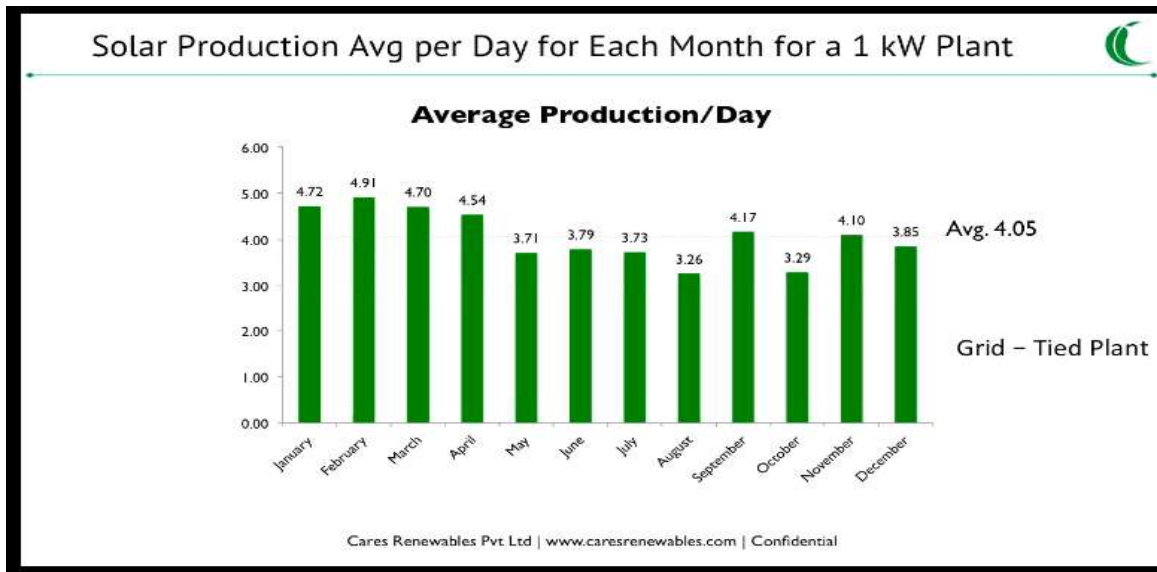


Type of Solar PV Systems - Hybrid



- Moderate to High System Efficiency
- High Capital Cost
- Moderate Operations Cost

- The statistical data Related to Solar production for a 1kW plant was presented

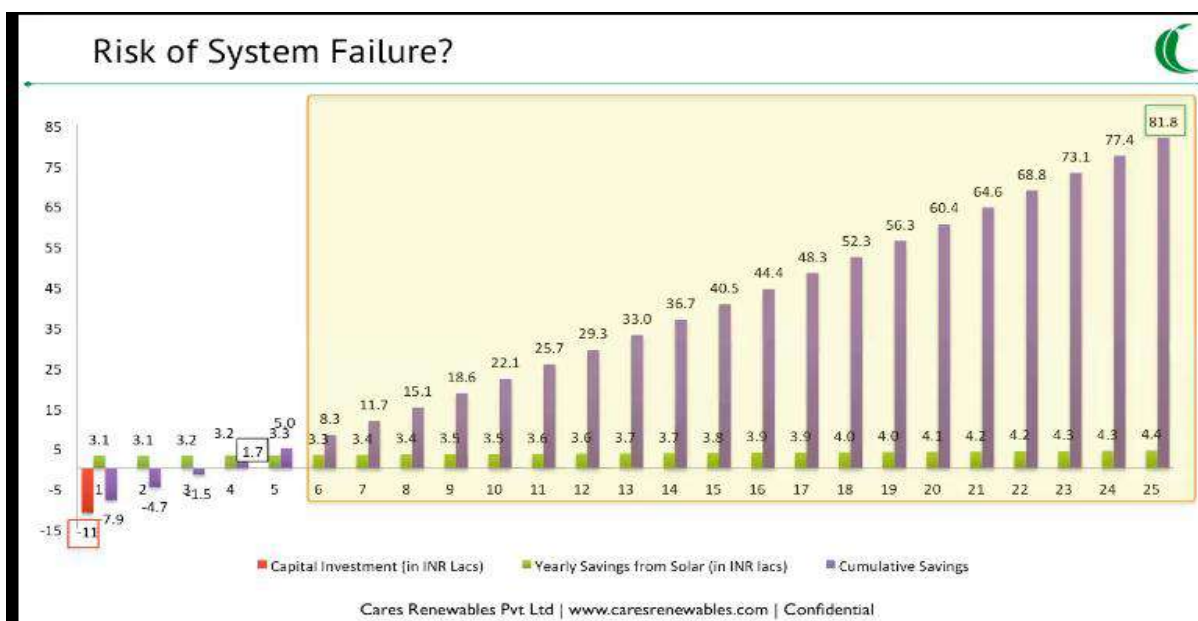


- The associated benefits and Risks of a Solar Plant was Explained very Clearly

Benefits & Risks of solar plant

Benefits	Risks
<ul style="list-style-type: none"> • Good Investment with return rate of more than 15% (up to 25%) • Design Life of 25 years for a well designed system with quality components • *Return on investment will depend on Tariff Rate you are paying • Loans offered by banks for initial capital investment 	<ul style="list-style-type: none"> • Bad quality systems will have low design life, and low returns • Can be a fire hazard, if the system is not properly designed/maintained • Grid-tied power plant doesn't provide power back-up • Companies going bankrupt and not servicing warranties

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- Solar Components Design Life dependence on Component Quality was Explained Clearly

Design Life of Components in Solar

Solar Modules – 10 to 25 years

Inverter – 5 to 25 years

Structure – 5 to 25 years

Balance of System – 5 to 25 years

Design life depends on quality of components used in the plant

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- Importance of Quality of components was Stated

Selection of low quality components

Corrosion of Metal Contacts

Delamination of Solar Cell Module

Detachment of Terminal Box

Failure of Bypass Diode

Mfg A: 0.3% failure rate

Mfg C: 2.9% failure rate

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- Key Points in the Selection of Solar Plant Components was Elaborately Introduced

HOW TO CHOOSE A SOLAR PLANT

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➤ Key components

1. Solar panel
2. Grid tied inverter -> MPPT it will extract maximum DC power
Inversion unit converts DC to AC and synchronize with the grid

Grid Tied Inverter

Inverter works after synchronizing with the grid

Inverter means – MPPT + Inversion Unit in most of the inverter topologies

MPPT extracts maximum power from modules

Will work only if Grid power is available

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➤ Choosing Efficiency

- Peak efficiency and weighted efficiency (more than 97%) -> European California
- Single MPPT is more efficient.
- MPPT Start Voltage: How early the power production start
- Quality of power Harmonic and flickers
- Safety of the system – from risk of fire due to DC arc

Eg:- In Australia minimum two fire hazards due to DC arc

Certain inverters like micro inverters will avoid fire hazards by early detection.

Inverter KPIs – To Choose Inverter

Number of Solar Modules for each MPPT	MPPT Start Voltage	MPPT Operating Range
Level of Monitoring	Quality of Power	Safety of System

Efficiency - European & Weighted
97% +


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- Different Inverter Topologies were Explained as Follows
- String Inverters : Integrated Inverter and MPPT
- Micro Inverters : Integrated Inverter and MPPT
- Optimizer System : Hybrid type of Inverter and more cost effective.

Common Inverter Topologies

Traditional String Inverters


- Integrated Inverter & MPPT
- 1 MPPT for 15+ Modules



5 to 7 Years

Micro Inverters


- Integrated Inverter & MPPT
- 1 Inverter for 1 Module



10 to 25 Years

Optimizer System

- Separate Inverter & MPPT
- 1 MPPT for 1 or 2 Modules

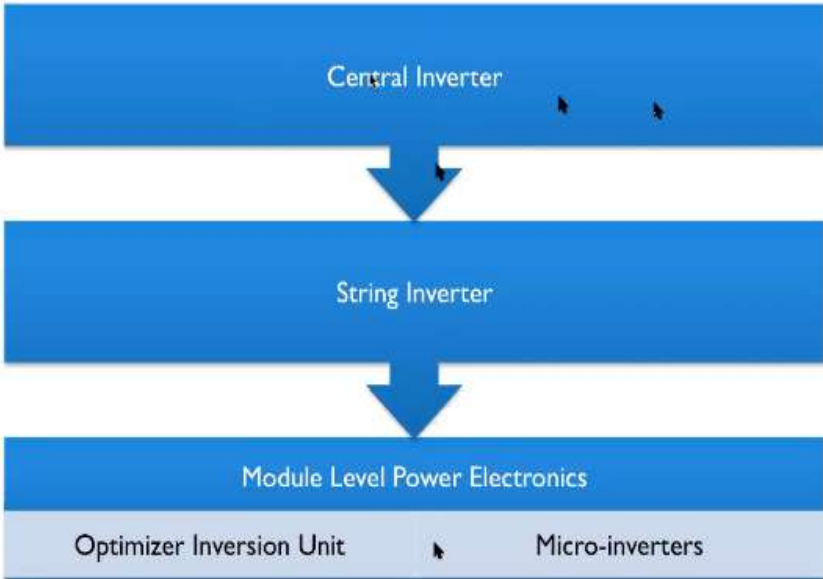


12 to 25 Years

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- Inverters used in large solar farms (MW)

Grid-Tied Inverter Architectures



Cost

Efficiency/
Effectiveness

Granularity of
Monitoring

Product
Warranty

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- Mismatch Losses due to breakage of panel, due to clouds.
- String Inverter: efficiency is 50% and Cost effective
- Optimizer / Micro inverter :efficiency is 84.2% and expensive



- Data analysis in a solar plant was also Illustrated



- Module rating is specified in Wat-Peak (Wp)

Eg:- 400 Wp is under STC

Typical Size of solar module is 2mt x 1mt

Size Efficiency depends on area occupied by that module

Input decides by module area

Output Wp decides by rating of module

Choosing Solar Module

- Module rating specified in Wp
- Typical Wp Rating 315 to 415
- Module size typically is ~2m x 1m
- Module Specification at Standard Test Conditions
- Values at standard test conditions STC (irradiance 1000 W/m sq, cell temperature 25 deg C, air mass AM 1.5)

Efficiency for a Module

- Output/Input
- Input decided by area

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- Need to prefer higher Product Warranty and Performance Warranty

Product and Performance Warranty

Product Warranty

- 10 to 25 Years
- On Product Defects

Performance Warranty

- 25 to 30 years
- Performance @ degradation from 0.35% to 0.7%

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- Temperature effect that is as the temperature goes up the module efficiency comes down
- Range of temperature coefficient: -0.29% to -0.44%
- Under STC condition temperature is 25°C

Temperature Impact

As Temperature goes up module efficiency comes down

TEMPERATURE RATINGS*

Nominal Module Operating Temperature: 44.6°C(±2°C)

Temperature coefficient of P_{MPP} : -0.36%/°C

Temperature coefficient of V_{OC} : -0.30%/°C

Temperature coefficient of I_{SC} : 0.066%/°C

*The temperature coefficients stated are linear values

Ranges from: -0.29% to -0.44%

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- Module Reliability

Module Reliability

- Product & Performance Warranty
- Certifications for Compliance
- In-house additional quality checks
- Manufacturing Process
- Credit Rating
- Module Design

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- Module Technologies
Mono PERC and Half Cuts are popular now-a-days.

Module Technologies

Mono Crystalline	Poly Crystalline	Thin-film	Poly PERC
Mono PERC	Hetro-Junction	Half-Cut Poly	Half-Cut Mono
Back-Contact	Double-glass	Bi-facial	BIPV

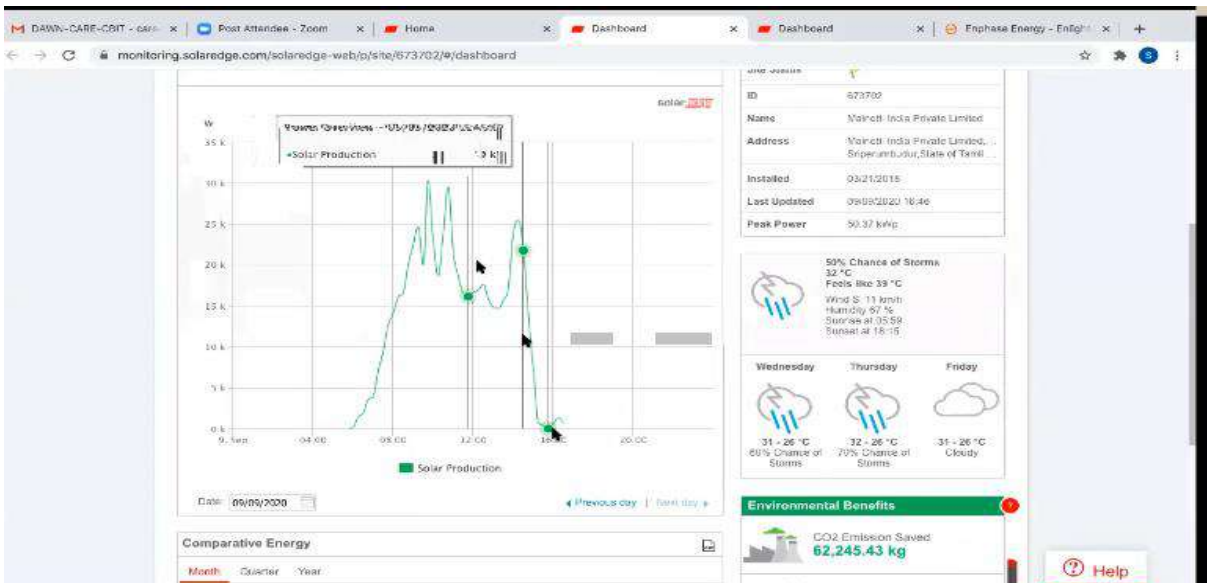
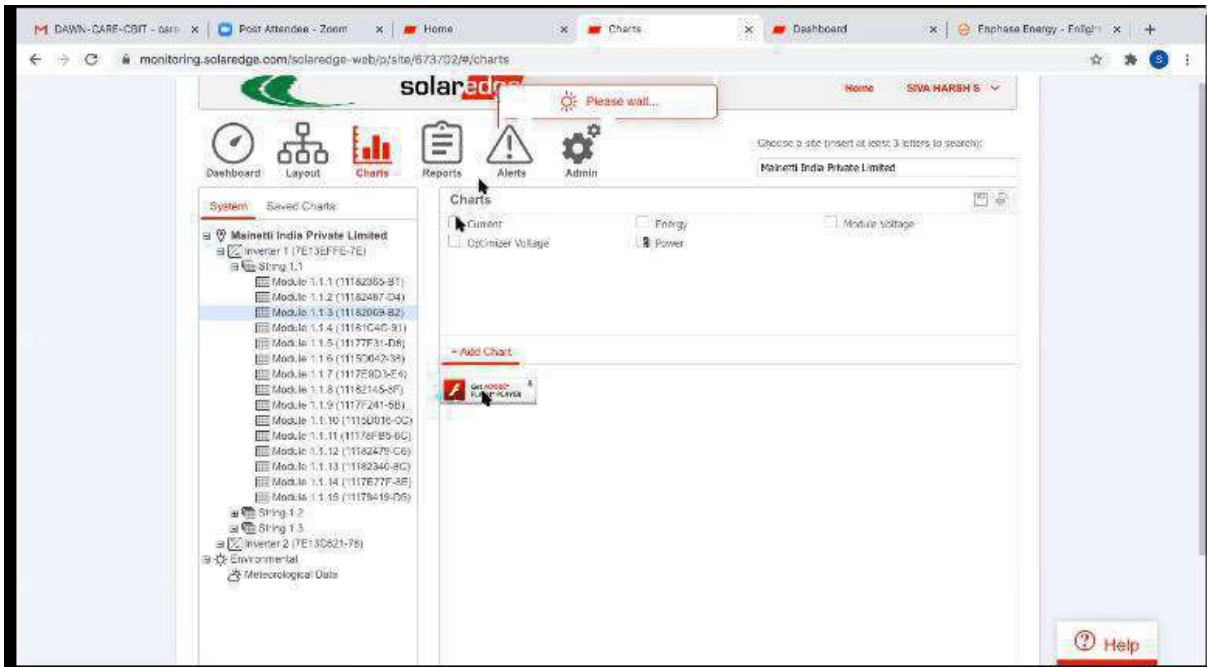
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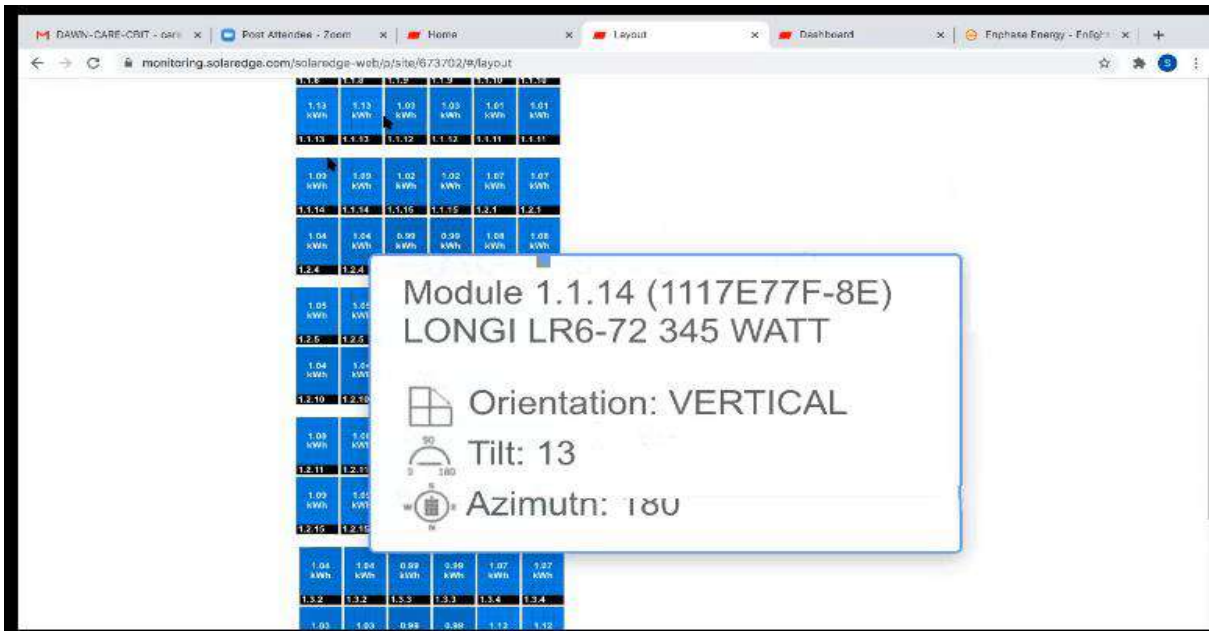


MONITORING PORTAL DEMO

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- Solar Edge Portal
Each Panel Performance can be monitored





Data Collected



Static Data

Solar Panel Spec

Solar Inverter Spec

System Design – Structure, BoS

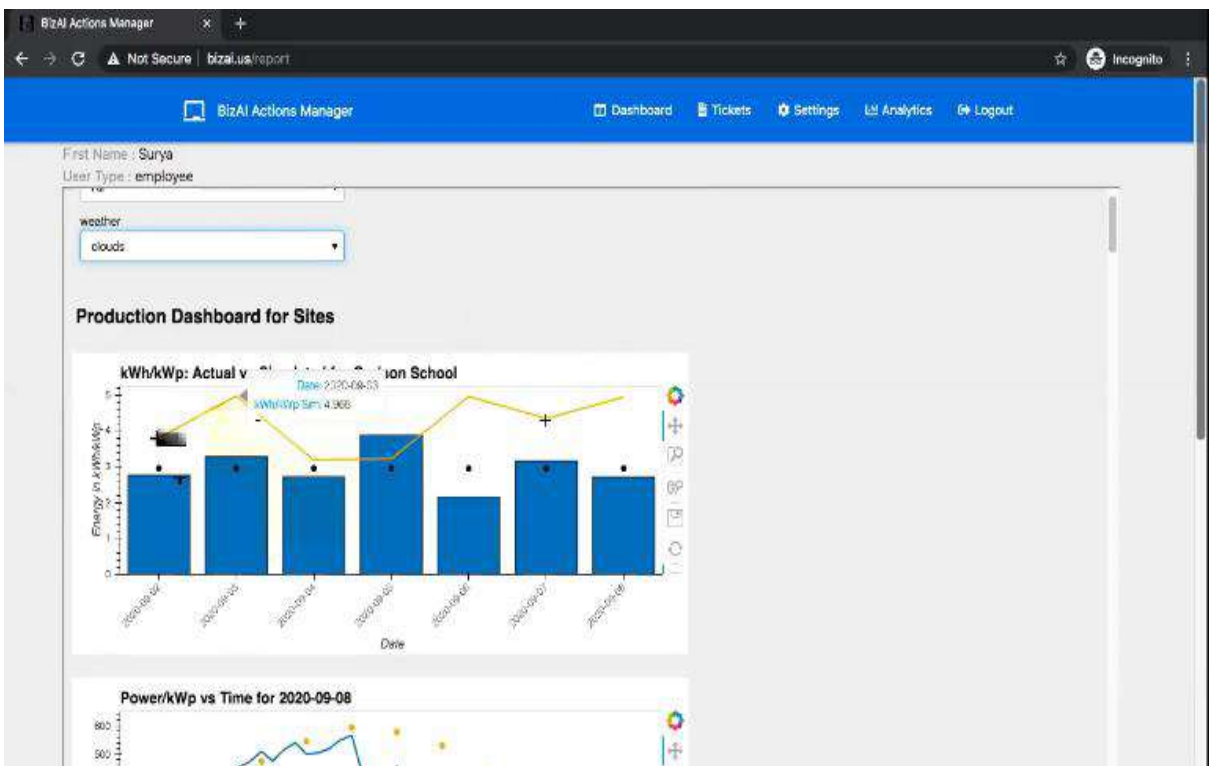
System Location

Dynamic Data

Solar Production Data

Weather Data

Solar Irradiation Data



List Of Participants Attended

List of Participants Attended Cares DAWN Awareness Program _09-09-2020				
S.no	Email Address	Name of the participant	Participant Designation (Faculty)	Department
1	hemeshwar_eee@gmail.com	P. Hemeshwar Chary	Assistant Professor	EEE
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3	sonyd_ece@cbit.ac.in	D.SONY	Assistant Professor	ECE
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24	pgs19009_eee.kontham@cbit.org.in	KONTHAM SUSHAMMA ANIRVEDA	Student	M.E. (PSPE)
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35	ugs18053_eee.veerapradyun@cbit.org.in	Veera	Student	EEE
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51	vkousthubh@gmail.com	Kousthubh	Student	EEE
52	ugs17032_ece.dinesh@cbit.ac.in	Dinesh Reddy Sunkari	Student	ECE
53	ugs17309_eee.pingili@cbit.org.in	P. Ramya	Student	EEE

The Queries by the participants were addressed patiently by

Sri. Siva Harsh S

The session was finally concluded by giving Vote of Thanks by

Sri. N. Santosh Kumar, Asst. Professor EEE Dept. CBIT (A)

Memorandum of Understanding

Between

Hexagon Capability Center India Private Limited

And

Chaitanya Bharathi Institute of Technology, Hyderabad

This Memorandum of Understanding is entered into and effective as of 25th July 2017, by and between:

"Hexagon Capability Center India Private Limited", a company incorporated under the provisions of the Companies Act, 1956, with its office at DivyaSree Trinity Campus, HITEC City, Madhapur, Hyderabad, India – 500 081, hereinafter called the "Hexagon" and represented by **Mr. Shankar Muthuswamy, Company Secretary**, acting in accordance with the Decision of the Board, which expression shall unless repugnant to the meaning or context thereof be deemed to mean and include its successors and permitted assigns of, on one part,

And

Chaitanya Bharathi Institute of Technology, (hereinafter referred to as "CBIT") having its Campus at Gandipet, Hyderabad and represented by **Mr. B Chennakeshava Rao, Principal**, acting in accordance with the decision of its Governing Body, on second part

Recitals.

- a. **Hexagon** is in the business of Software development and other allied business for its Clients worldwide.
- b. **CBIT** is India's premier teaching cum research oriented institution offering various Technological Degrees
- c. Whereas CBIT is planning to set up a Lab center at CBIT campus in Gandipet Hyderabad, in order to impart practical knowledge and technical training in the cutting-edge technologies to the students which would enable them to gain hands on experience in the latest technologies employed in the Industries
- d. Whereas Hexagon under its CSR policy is committed to improving the quality of education which benefits the students in particular and the society in general by contributing to educational infrastructure, training and facilities through partnership with institutions, colleges, universities, and government and quasi-government agencies.

B Chennakeshava Rao
25/7/17

Shankar Muthuswamy

NOW THIS MEMORANDUM WITNESSETH as follows:

1. Hexagon and CBIT have agreed in principle to jointly setup a Lab at CBIT campus each with the following responsibilities:
 - a. Responsibilities of CBIT:
 - i. create/provide a proper Lab space in their campus to accommodate around 20 persons
 - ii. equip the Lab with proper furniture, light/electrical fittings, Lan and Internet cabling/connectivity
 - iii. to procure the required software licenses that are necessary for the training
 - iv. to take care of the Trainers' travel and stay expenses
 - v. any other expenses that may be required for an efficient functioning of the Lab which may be mutually discussed and agreed
 - b. Responsibilities of Hexagon:
 - i. Provide 20 desktops with monitors with appropriate configuration with OS and Office 2010 licenses
 - ii. Provide upgrades on hardware/software on need based
 - iii. any other expenses that may be required for an efficient functioning of the Lab which may be mutually discussed and agreed
2. **Confidentiality:** Each Party shall maintain complete confidentiality of any information of the other, disclosed ("Confidential Information"), either directly or indirectly in any form whatsoever including, but not limited to, in writing, in machine readable or other tangible form, orally or visually (subsequently reduced to writing). Both Parties undertake to (i) hold all such Confidential Information in strictest confidence, (ii) not to disclose such Confidential Information either in whole or in part to any person other than those of its officers, employees and agents who need to know the Confidential Information for the purpose authorized hereunder provided that each such officer, employee or agent has agreed in writing to maintain the confidentiality of the Confidential Information in accordance with the terms hereof or (iii) not to use such Confidential Information for any purpose whatsoever save as may be strictly necessary for the performance of this Agreement.
3. **Intellectual Property Rights:** IPR titles or ownership of any products, proprietary information or technology tools, processes, utilities, and methodology including any Hexagon proprietary products or components thereof used hereunder or development of any deliverables and all new ideas, inventions, innovations, or development conceived, developed, contributed, distributed or made by Hexagon hereunder, and all customizations, enhancement and modifications thereof, shall always remain with Hexagon and WILL NOT BE transferred from Hexagon to CBIT on account of use of the same as part of any work under this Memorandum, and
4. In no event shall either party be liable for any indirect, incidental, special, consequential damage, including, but not limited to, loss of profits, revenue, data or use, incurred by the other Party in connection with, arising out of or under this Memorandum save for any such loss suffered resulting from any willful and grossly negligent act or omission of either of the Parties.

 25/2/12



5. Neither this Memorandum, not any activities described herein, shall be construed as creating a partnership, joint venture, agency or other such relationship. Both Parties agree that this Memorandum represents a nonexclusive relationship between the Parties and nothing contained herein shall preclude either Party from participating / initiating similar relationship with third parties in future.
6. Neither Party shall issue any press release, public announcement or other such disclosure concerning this Memorandum without the other Party's prior written consent as to such release or announcement.
7. This Memorandum may not be amended without the prior written consent of both the Parties.
8. This Memorandum shall be effective from the effective date and shall be valid for a **term of 3 years**. This Memorandum can be renewed based on mutual convenience any time.
9. **Governing Law:** This Memorandum shall be governed by the laws of India, and the Courts in Hyderabad shall have exclusive jurisdiction.
10. **Termination:** Either Party can cancel or terminate this Memorandum unilaterally (and without reason), by giving an advance written notice of one (1) month to the other Party.
11. **Notices:** All notices, requests, demands and other communications under this Memorandum or in connection herewith shall be given to or made upon the respective Parties as follows:

Hexagon	: "Hexagon Capability Center India Private Limited" Plot No.5, DivyaSree Trinity Campus, HITEC City, Madhapur, Hyderabad, India – 500 081
CBIT	: Chaitanya Bharathi Institute of Technology, Ocean Park Rd, Kokapet Village, Gandipet Mandal, Rangareddy District, Hyderabad - 500075

Or to such other person or addresses as any of the Parties shall have notified to the others.

All notices, requests, demands and other communications given or made in accordance with the provisions of this Memorandum shall be in writing by letter, fax or telegram.

12. FORCE MAJEURE:

If either of the two Parties is prevented, restricted, delayed or interfered by reason of:

- a) Fire, explosion, cyclone, floods, droughts, earthquakes, epidemics;
- b) War, revolution, acts of public enemies, blockage or embargo, riots and civil commotion;

Handwritten signature and date: 25/7/17

Handwritten signature

- c) Any law, order, proclamation, ordinance or requirements of any Government or authority or representative of any such Government, including restrictive trade practices or regulations;
- d) Strikes, shutdowns or labor disputes which are not instigated for the purpose of avoiding obligations herein; or
- e) Any other circumstances beyond the reasonable control of the party affected, then notwithstanding anything here before contained, the party affected shall be excused from its performance to the extent such performance relates to prevention, restriction, delay or interference and provided the party so affected used its best efforts to remove such cause of non-performances, and when removed the party shall continue performance with the utmost dispatch.

Each of the Parties agrees to give written notice to the other Party upon becoming aware of an Event of Force Majeure, and mentioning details of the circumstances giving rise to the Event of Force Majeure as soon as possible, but not later than three (3) business days from the moment it became aware of.

- 13. Indemnity:** Each of the Parties shall defend, indemnify and hold the other Party harmless from and against any claim, liability, loss, costs or expenses (including reasonable Attorney's fees) arising out of or resulting from the material breach of the provisions herein.

IN WITNESS WHEREOF THE Parties have set their hands hereto on the day and year first hereinabove written under their respective seal of office.

CBIT

Hexagon

"Hexagon Capability Center India Private Limited",

DivyaSree Trinity Campus, HITEC City,
Madhapur, Hyderabad, India – 500 081

(Signature)

Mr. Shankar Muthuswamy,
Director - Finance & Company Secretary

(Signature)

Mr. B Chennakeshava Rao,
Principal, CBIT



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING (MOU), is made as of 05th July 2020, between M/s. Chaitanya Bharathi Institute of Technology, Hyderabad (herein after called "CBIT" or "Institute") and M/s Wind Stream Energy Technologies India Private Limited, Hyderabad (A Private Limited Company, incorporated under the Companies Act 1956 and having its Registered Office at Its Floor, SSH Pride, Plot No. 273, Road No. 78, Jubilee Hills, Hyderabad -500096 (Hereinafter called "Wind Stream").

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 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.

Wind Stream Energy Technologies India Private Limited (Wind Stream), is into Wind-Solar (Hybrid) Technology Solutions with Core Operations in Renewable energy Domain integrating Conceptualising, Designing, Integrating and Manufacturing of Equipment and undertaking EPC Works and Maintenance and Training of Equipment for and on behalf of Clients. The Company is supported by a Team of experienced Technical Experts, Professionals and Tradesmen continually developing Products and Processes through the in-house Research and Innovation activity.

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



Recitals:

Wind Stream is interested in engaging with CBIT in areas of Mutual Interest as framework outlined below but not necessarily restricted to those mentioned herein:

With an objective to initiate the attitude of Research and Entrepreneurship approach amongst the Students and Faculty of the Institute and also undertake Research and Innovation Activities in the Area of Wind -Solar Generation with the end to end Solutions it has been decided to work on a collaborative efforts in the areas of:

- Embedding the Block Chain and Artificial Intelligence Technology into the Operations for efficient Controls on Generation and Distribution.
- Work on Products and Processes to facilitate the deploy of Wind- Solar Mills at different Locations to be used for varied purposes and in the unreached Areas of the Land.
- To explore and expand the Areas of Research into Defence and other Related Product Conceptualisations, Applications to support the Inland Security and the Border Security.
- To Work on Areas that could be add-ons to the above Products and Applications for the end to end Solutions.
- Facilitate Internships and Live Projects for Students, thereby giving an opportunity for Students to gain experience in a real Engineering Environment to learn and build on their Potential.
- Encourage Entrepreneurship among Students through thought Leadership and Partnership Engagements.
- Generate Opportunities for Fundamental and applied Research Projects.
- Regular visits by the Technical and Research Team of Wind Stream to CBIT to interact with the Faculty and Students and deliberate on New ideas and New Opportunities and support them with Mentorship from the Industry Experts wherever needed.
- Wind Stream will introduce Scholarships and Reward Programs for Best Contributors.

1. None of the Partners will be held responsible to the other for any loss or damage suffered upon unsuccessful completion of agreed assignment or assignment undertaken.
2. The Partners to this MOU hereby agree that they intend to discharge their obligations in utmost good faith and diligently.
3. The Partners having jointly decided on the Assignment will have equal or pre-decided rights on the joint efforts. They can respectively declare or publicize such initiatives to their respective mutual interests.
4. All such assignments can be processed on policy initiatives of the State, National or International Organizations.
5. Patenting rights will be reserved and amongst the Partners.
6. The resource allocation by partners can be in space, facilities, knowledge, technology and human resources.
7. The Partners agree to start with the following:

Renewable Energy :

- i. DC TO AC Systems for Renewable energy Sources (Wind, Solar and Combined)
- ii. Wind Generators.
- iii. Alternate material for the existing Solar Mill of the Industry.
- iv. Direct Current System- Air Conditioning.
- v. Fast Charging Systems for Battery

Defence :

- i. Technology in different Tactical Operations
- ii. Maximizing the efficiency of Solar Panels especially in extreme Cold conditions,
- iii. Designing Power Storage Systems for Extreme Cold Conditions.

3. Responsibility:

Industry-Academy (Jointly):

- Jointly define Assignment-Problem Statement to be achieved.
- Clear understanding of the Rights and Financial arrangements on case-to-case basis.
- All activities for Testing and Approvals.
- Deploy staff and final year students / interns for the proposed projects as
- Resources. And industry will assign their human resources for the same projects.

Industry:

- Identification of Futuristic Technology which can be commercialized.
- Evaluation of Technology on business prospects and impact on the objectives of the MOU.
- Enabling the process by providing inputs and support the process.

Academy:

- Will enable required Research facilities and exclusive space for the activity.
- Based on the assignment of the company, the Academy will form a competent team of Teaching faculty and Students.
- The timelines for undertaking the assignment will be mutually agreed-upon and delays if any will also be mutually agreed.

4. Evaluation of Co-operation :

The Parties will conduct joint and Periodic reviews to monitor and optimise the Cooperation under this Understanding.

5. Confidentiality Obligation :

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

6. IPR :

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, Wind Stream and Responsible Research Personnel. Parties will discuss and agree in writing regarding the Percentage of Ownership for such Intellectual Property in respective Scope of Work defined in subsequent Understanding / Agreement to this MOU to be signed between the Parties wherever applicable.

7. Publicity:

The Institute will Publish regarding the CoE in the Institute's Publicity Material. Institute will notify Wind Stream atlas 15 days before Publishing. In case of any research Publications arising out of CoE, CBIT-Wind Stream will be acknowledged in the same.

8. Legal Effect :

The Partners therefore agree that they will, at all times, act in good faith and make every effort to resolve all differences by mutual discussion, as to the validity of any terms and conditions of this Agreement or interpretation of any of the provisions of this Agreement. If the Partners fail to settle any dispute or differences as stated herein above, through mutual discussion, within one (1) month of the dispute/differences first arisen, then the same shall be referred to a sole arbitrator mutually appointed by the Partners. The Arbitration proceedings shall be governed by the Indian Arbitration and Conciliation Act, 1996 or any of its subsequent amendments. The venue of the Arbitration shall be at Hyderabad, India only and the proceedings shall be conducted in English. The Partners shall not be entitled to make any legally binding declarations on behalf of the other Partner and nothing in this MOU shall be deemed to constitute formal business grouping, a Joint Venture, Agency, Partnership, interest grouping or any other kind of entity except the establishment of MOU for the purposes defined and explained as mentioned aforesaid. The parties do not intend to be bound by any agreement until both agree to and sign a definitive written contract. Neither party can rely on any promises inconsistent with this paragraph which supersedes all other conflicting language. This MOU shall be construed and interpreted in accordance with the laws of India and the courts of Hyderabad shall have the exclusive jurisdiction in all matters arising there under.

9. Validity :

This MOU is valid for 3 Years from the date of Signing of this MOU. Thereafter the MOU may be renewed for such Term and on Conditions as may be agreed between the Parties.

10. No Assignment :

Neither party without the written consent of the other may assign either the benefit or the burden of this MOU to anybody.

11. Termination:

Either party may terminate the MOU for cogent and logical reasons, by giving to the other party 30 days' Notice in writing.

12. Force Majeure:

Any delay or failure in performance by the Party to this understanding, shall not constitute Default hereunder to give rise to any claims for damages against the 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, Lockouts or other concerted acts of Workmen, Fires, Floods, Explosions, Blocakges, Embargoes, Riots, War, Rebellion, Sabotage, Extraordinary Severe Weather, Pandemic situation, Civil commotion and Criminal Acts of Third Person.

13. Entire agreement :

This document represents the entire agreement between the Parties regarding the subject matter of this MOU and can only be amended or modified by an agreement in writing signed by the Parties hereto.

IN WITNESS WHEREOF, the Partners to the MOU have through their authorized Representatives executed these Presents on the Day, Month and Year first mentioned above.

IN WITNESS WHEREOF, the Parties to this Memorandum of Understanding have through their respective authorized Representatives, have executed these Presents and affixed their Hands and Common Seal of their respective Companies on the Day, Month and Year first above mentioned.

For Wind Stream Energy Technologies India Private Limited,
Represented by Sri Venkat Kumar Tangirala, Managing Director.
Common Seal of

Wind Stream Energy Technologies India Private Limited,
(Signature of authorized Representative)

Has been affixed in pursuant to Board Resolution Dated: ... 7th July 2020

Name: ... N.V.K. KUMAR TANGIRALA


Signature:

Designation: ... Managing Director



For, M/s. Chaitanya Bharathi Institute of Technology Represented
by, Principal, Dr. P. Ravinder Reddy


Signature:

Designation: Principal

Common Seal of
For, M/s. Chaitanya Bharathi Institute of Technology
(Signature of authorized Representative)
Has been affixed



Windstream Energy Technologies Campus Placements - 2021(Students Registration Link) - Reg.

1 message

Placements HEAD <placements@cbit.ac.in>

Mon, May 17, 2021 at 5:15 PM

To: Mechanical HEAD <hod_mech@cbit.ac.in>, directors-cbit@cbit.ac.in, ugs17006_mech.mahitha@cbit.org.in, ugs17026_mech.koustubh@cbit.org.in, ugs17105_mech.suvarun@cbit.org.in, ugs17078_mech.faisal@cbit.org.in, ugs17019_prod.dheeraj@cbit.org.in, ugs17033_prod.rahul@cbit.org.in

Cc: Principal CBIT <principal@cbit.ac.in>, Anne Violet CBIT-HR <hr@cbit.ac.in>

Dear Students,
Cordial Greetings!!!

Please find the attachment of Google Link for Students Registration, Windstream Energy Technologies Campus Placements - 2021. Please register on or before 1:00 PM of 18.05.2021.

Google Link: <https://forms.gle/GeuJuveu1NNuWQ7x7>

With Best Regards,

Dr. NLN REDDY,
Director - Career Development Centre
Chaitanya Bharathi Institute of Technology
98494 66587

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You received this message because you are subscribed to the Google Groups "Directors CBIT" group.
To unsubscribe from this group and stop receiving emails from it, send an email to directors-cbit+unsubscribe@cbit.ac.in.
To view this discussion on the web visit <https://groups.google.com/a/cbit.ac.in/d/msgid/directors-cbit/CA%2Bo4o6xvvc%3DacDzou%2Bk-o3U3-TyRTEhTgRvHtxq26Dj-6nJng%40mail.gmail.com>.
For more options, visit <https://groups.google.com/a/cbit.ac.in/d/optout>.

Fwd: Job Description

1 message

Placements HEAD <placements@cbit.ac.in>

Sat, May 8, 2021 at 1:29 PM

To: Principal CBIT <principal@cbit.ac.in>, directors-cbit@cbit.ac.in, ECE HEAD <hod_ece@cbit.ac.in>, EEE HEAD <hod_eee@cbit.ac.in>

Cc: ugs17015_ece.saathvi@cbit.org.in, ugs17042_ece.shaik@cbit.org.in, ugs17311_ece.m@cbit.org.in, tejeshwar singh rajput <ugs17111_ece.tejeshwar@cbit.org.in>, ugs17093_ece.hrithik@cbit.org.in, rithika gurram <ugs17075_ece.rithika@cbit.org.in>, ugs17129_ece.madiha@cbit.org.in, ugs17333_ece.kesar@cbit.org.in, ugs17154_ece.mahesh@cbit.org.in, ugs17001_eee.akshita@cbit.org.in, ugs17033_eee.mahesh@cbit.org.in, kavya sree harini m <ugs16006_eee.kavya@cbit.org.in>, ugs17070_eee.shrinijja@cbit.org.in, ugs17087_eee.manikanth@cbit.org.in, yashwanth baratam <ugs17118_eee.yashwanth@cbit.org.in>

With Best Regards,

Dr. NLN REDDY,
Director - Career Development Centre
Chaitanya Bharathi Institute of Technology
98494 66587

----- Forwarded message -----

From: **Bhaskar Reddy Dasari** <cso@windstream.tech>

Date: Sat, May 8, 2021 at 1:19 PM

Subject: Job Description

To: nlreddypo@gmail.com <nlreddypo@gmail.com>

Cc: engg_bd@windstream.tech <engg_bd@windstream.tech>

Bhaskar Reddy Dasari has shared a OneDrive for Business file with you. To view it, click the link below.

 [Job profile 2 -Word 1.docx](#)

Dear Dr. Reddy,

Please find attached brief introduction to the Job Description to be circulated amongst your Students.

With Regards,

D. Bhasker Reddy
Director & Chief Strategy Officer
+91 9885298788
Windstream Energy Technologies



www.windstream.tech

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You received this message because you are subscribed to the Google Groups "Directors CBIT" group.
To unsubscribe from this group and stop receiving emails from it, send an email to directors-cbit+unsubscribe@cbit.ac.in.
To view this discussion on the web visit <https://groups.google.com/a/cbit.ac.in/d/msgid/directors->

cbit/CA%2Bo4o6yQ%3DngR6-iDcEZ0xjCrR%2BGa7t1hY6knf37Kfz1H%3DuVHAQ%40mail.gmail.com.
For more options, visit <https://groups.google.com/a/cbit.ac.in/d/optout>.

Fwd: Policy frame work on Decentralized Renewable Energy (DRE) Livelihood by MNRE

6 messages

CDP <dsandhyasree_member@cbit.ac.in>

Wed, Oct 28, 2020 at 4:27 PM

To: hod_biotechnology@cbit.ac.in, principal@cbit.ac.in, director_ii@cbit.ac.in

Dear All,

Can this Program become a part of the ACIC?

May Dr. Rajaysree and Dr. Choudhary can review this proposal so that we can enter into MoU with M/s Windstream and move forward,

With Best Wishes,
Sandhya Sree
C, D and P

Dear Sir,

As discussed I am forwarding the DRE livelihood policy draft released by MNRE.

Most of the applications we have targeted and made some progress in demonstrating them already.

A brief report on what applications we have done, will be sent subsequently.

Some more can be suggested keeping your experience with adapted villages ACIC scheme and the institution you have already initiated for the same.

Please advise next steps from your side.

Rgds,

T.VENUGOPAL



Policy framwork on DRE Livelihood Applications.pdf

203K

Bio Tech HEAD <hod_biotech@cbit.ac.in>
To: Director Incubation & Innovation <director_ii@cbit.ac.in>

Thu, Oct 29, 2020 at 3:18 PM

Sir

I want to discuss about this and NISP implementation

Thank you

----- Forwarded message -----

From: **Principal CBIT** <principal@cbit.ac.in>

Date: Wed, Oct 28, 2020 at 4:30 PM

Subject: Fwd: Policy frame work on Decentralized Renewable Energy (DRE) Livelihood by MNRE

To: Bio Tech HEAD <hod_biotech@cbit.ac.in>, Dr. Rajasri Yadavalli <rajasriy_biotech@cbit.ac.in>

Dr. G. P. Saradhi Varma,
Principal, CBIT,
Gandipet, Hyderabad - 500 075.
Telangana State,
India.

[Quoted text hidden]

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Dr.Rajasri Yadavalli Pendem B.Tech., M.Tech., Ph.D
Associate Professor and In-Charge Head
Dept.of Biotechnology
Chaitanya Bharathi Institute of Technology(CBIT), Gandipet
<https://www.linkedin.com/in/rajasriyadavalli/>
<https://scholar.google.co.in/citations?user=WJHOc0UAAAAJ&hl=en>
<https://orcid.org/0000-0001-5926-4308>



Policy framwork on DRE Livelihood Applications.pdf
203K

Bio Tech HEAD <hod_biotech@cbit.ac.in>

Thu, Oct 29, 2020 at 3:45 PM

To: dsandhyasree_member@cbit.ac.in, Director Incubation & Innovation <director_ii@cbit.ac.in>, Principal CBIT <principal@cbit.ac.in>

Dear Mam,

Greetings of the day. The initiatives of MNRE looks very interesting and promising for our ACIC activity. Can we have an online meeting with M/s Windstream technologies(Mr Venugopal) to know more about his company and the mutual benefits of entering into an MoU with this company. As I didn't find his contact details, if you could connect us, we will have further discussion mam.

Thank you
Dr. Rajasri

On Wed, Oct 28, 2020 at 4:30 PM Principal CBIT <principal@cbit.ac.in> wrote:

Dr. G. P. Saradhi Varma,
Principal, CBIT,
Gandipet, Hyderabad - 500 075.
Telangana State,
India.

----- Forwarded message -----

From: CDP <dsandhyasree_member@cbit.ac.in>

Date: Wed, Oct 28, 2020 at 4:27 PM

Subject: Fwd: Policy frame work on Decentralized Renewable Energy (DRE) Livelihood by MNRE

To: <hod_biotechnology@cbit.ac.in>, <principal@cbit.ac.in>, <director_ii@cbit.ac.in>

[Quoted text hidden]

[Quoted text hidden]

Director Incubation & Innovation <director_ii@cbit.ac.in>

Sat, Oct 31, 2020 at 3:05 PM

To: CDP <dsandhyasree_member@cbit.ac.in>

Cc: Principal CBIT <principal@cbit.ac.in>

Bcc: Advisor Rcg <advisor_rcg@cbit.ac.in>

Respected Madam

1. To promote Decentralised Renewable Energy livelihood applications in rural areas of the country a policy framework is proposed by the Ministry to provide a conducive environment for development and large-scale adoption of these applications. It may kindly be noted that we have also trained 745 students from CBIT for the Home solar system.
2. Draft policy framework prepared by the Ministry is circulated for comments of all the stakeholders concerned. Comments/ suggestions are to be provided by 02.11.2020.
3. I will send the salient points and other points/comments/suggestions to be communicated by CBIT by tonight.
4. Regarding working with the M/s Windstream , we already have an MoU with the Firm and we can definitely extend our area of working as far as the present proposal is concerned. We can either amend the existing MoU or We can have another MoU separately for this activity which will be decided as per the suggestion from the Advisor. In the meantime, I will compile the joint activities to be carried out with M/S Wind Stream..
5. The policy framework also highlights many products which can be developed with help of M/S Wind Stream and these ideas are very much suitable for incubation in our ACIC centre.
6. We request for an online meeting with the Firm to discuss further details and prepare proposals which can be processed and a certain amount of subsidy can also be availed after this policy is implemented by Govt.

With Warm Regards.

Dr U.K. Choudhury

[Quoted text hidden]

Director Incubation & Innovation <director_ii@cbit.ac.in>

Sat, Oct 31, 2020 at 3:06 PM

To: "Dr. Rajasri Yadavalli" <rajasriy_biotech@cbit.ac.in>

for information.

Dr U.K. Choudhury

[Quoted text hidden]

Director Incubation & Innovation <director_ii@cbit.ac.in>

Sat, Oct 31, 2020 at 11:49 PM

To: CDP <dsandhyasree_member@cbit.ac.in>

Cc: Advisor Rcg <advisor_rcg@cbit.ac.in>

Respected Madam

Further to the enclosed mail, I Would like to mention the following points for your kind perusal.

- 1.0 The Policy Framework for developing and promoting Decentralized Renewable Energy (DRE) Livelihood Applications in Rural Areas covers most of the applications useful for Rural Areas and also some of the products can also find applications in other areas.
- 2.0 The policy will be an accelerator for large scale implementation of Solar applications and skill development.

3.0 A few application areas are highlighted for interaction with M/S Wind stream for taking up the possibility of their development and applications after feasibility study..

4.0 May be one more application of concentrated Solar energy for large scale cooking in Rural Hostels and steam generation may be incorporated by MNRE in future.

The pdf file with highlighted points are enclosed for kind information.

With Warm Regards.

Dr U.K. Choudhury

----- Forwarded message -----

From: **Director Incubation & Innovation** <director_ii@cbit.ac.in>

Date: Sat, Oct 31, 2020 at 3:05 PM

Subject: Re: Policy frame work on Decentralized Renewable Energy (DRE) Livelihood by MNRE

To: CDP <dsandhyasree_member@cbit.ac.in>

Cc: Principal CBIT <principal@cbit.ac.in>

[Quoted text hidden]



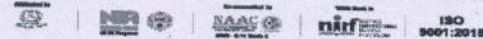
Highlighted Policy framwork on DRE Livelihood Applications.pdf

223K



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

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



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

41
years

No.CBIT/Admn./158/1/2020

Dt.20.10.2020

OFFICE ORDER

National Innovation and Startup Policy 2019 for Students & Faculty, A Guiding Framework for Higher Educational Institutions is initiated by AICTE in 2019. The National Innovation and Start-up Policy 2019 intend to guide HEIs to promote student driven innovations & start-ups and to engage the students and faculty in innovation and start up activities in campus. The policy aims at enabling HEIs to build, streamline and strengthen the innovation and entrepreneurial ecosystem in campus and will be instrumental in leveraging the potential of science, student's creative problem solving and entrepreneurial mind-set, and promoting a strong intra and inter-institutional partnerships with ecosystem enablers and different stakeholders at regional, national and international level. The entrepreneurial ecosystem in HEIs will play key role in identifying, mentoring, nurturing innovative and entrepreneurial potential of students, faculty and staff and transforming them into start-up entrepreneurs by provided avenues of funding, investment opportunities and networking support to make the innovation and venture successful.

In this regard, Innovation and Start-up Policy Committee at Institute is formulated with the following Members.

- | | |
|--|---|
| 1. Dr. G. P. Saradhi Varma, Principal | Chairman |
| 2. Dr. U. K. Choudhury, Director-I&I | Expert on Innovation/Startups and Industrial R&D. |
| 3. Dr. A.D. Sarma, Director-R&D | Expert on Research& Development |
| 4. Dr. Ravindra Pagaku, Director-Research,
Life Sciences | Expert on Life Science Projects |
| 5. Dr. N.L.N. Reddy, Director-CDC | Expert on Alumni/Industry Interaction |
| 6. Sri Bhubhesh Kumar, Director, RICH, Hyderabad | Expert on Networking enabler /
Technology Transfer |
| 7. Dr. Y Rajasri, I/c Head, Biotechnology | NISP Coordinator and Convener |
| 8. Dr. M. Swamydas, Jt. Director-Academics
(Informatics) | Expert on Computer science |
| 9. Dr. S. Saraswati, I/c-Head, SMS | Expert on Management& Finance |
| 10. Sri T. Venu Gopal, Sr. Vice President, Windstream | Expert from Industry |
| 11. Mr. V.R Sunil MD, Ram Tech. Enng./
Manufacturing Industries | Alumni, CBIT and Entrepreneur |

The Committee will assemble every month Second Saturday for planning, discussing and reviewing the progress of the innovation related activities taken up by the students and faculties and implementation of NISP. The Committee may Co-opt two to three members for assisting in various activities.

G.P.S. -
PRINCIPAL

To
The Members for information and necessary action.
C.C. to the President, CBIT, for kind information.

Chaitanya Bharathi Institute of Technology,
Hyderabad &
Elite Techno Groups, Jaipur
Memorandum of Understanding

**This document contains objectives and propositions for both parties on
successfully conducting 08 Day Summer Internship Program on 'Automotive
Dynamics, Designing & Fabrication'**

Recognized by International Organization for Standardization, United Kingdom

To,
The Principal,
Chaitanya Bharathi Institute of Technology, Hyderabad

Date: 19/06/2019

Subject: Hosting National Level 08 Day Summer Internship Program on 'Automotive Dynamics, Designing & Fabrication'

Respected Sir,

Elite Techno Group proposes to collaborate with your esteemed institute to host the 08 Days National Level Summer Internship Program (SIP) in your institute's campus. **This year we are conducting SIP in with the best institutes of 6 cities in India: Ahmedabad, Bengaluru, Chennai, Hyderabad, Pune, & Vishakhapatnam.**

In these internship program we will be focusing on Static Engineering, Dynamics Calculation, Automotive Designing and Hands on Experience on various subsystem of race/off-road and commercial vehicle. The SIP will be conducted by experts with experience in the relevant industry, which will give students an insider's view and perspective.

We will also seek the participation of students from engineering colleges across India in order to spread the awareness & benefit of the said program for both the students and partner institutes. The responsibility of advertising and enrolling the students will be solely addressed by us.

For this, we merely seek the infrastructural support from you in form of Seminar hall equipped with well-functioning sound system and a projector with the sitting capacity of 100-150 students at least, I hope this summer session program will enrich the students in their pursuit towards achieving their goal in life thereby also making them industry ready and proficient in their skills.

MEMORANDUM OF UNDERSTANDING

The memorandum of understanding may be treated as an official agreement to the terms and conditions understood between **Elite Techno Groups, Jaipur** (Herein referred as "Party of the first part") **Chaitanya Bharathi Institute of Technology, Hyderabad** ("Party of second part"). As per the negotiations held between the two parties, the following things are agreed upon:

- Party of first part will conduct 08/ 15 Day National Level Summer Internship Program on 'Automotive Dynamics, Designing & Fabrication'
- The training shall tentatively be held from 23rd to 30th June, 2019
- The fee of the 08 day training will be Rs. 4660/- + 18% GST = Rs. 5500/-
- Party of first part will share RS. 500/- per participant of the 08 day internship program with Party of second part.
- All the above course fee are per participant inclusive of:
 - 30+ E-books on various automotive subsystems
 - Reference PPT's for the virtual of various engineering design & race competition
 - Tutorial videos of automotive designing, simulation, rendering of various software
 - Reference data on Scope of activities and there procedure to be a part in undergraduates engineering competitions
 - Complete technical support to the students participating in any
 - National or international design & race competition.
 - Publish Research paper
 - Publishing in Journals
 - Paper presentation
 - Final year project (Minor or Major)
- Workshop participant can opt for additional "30/ 45 Days Industrial Based Projects virtual Internship" (without any fee) and can complete it with their regular academics under the guidance of mentors and automotive experts. These projects can be developed by students in the final year to be submitted as major project.
- Party of first part will provide complete technical support to all participant teams in the engineering design and race competition of Party of second part.

Recognized by International Organization for Standardization, United Kingdom

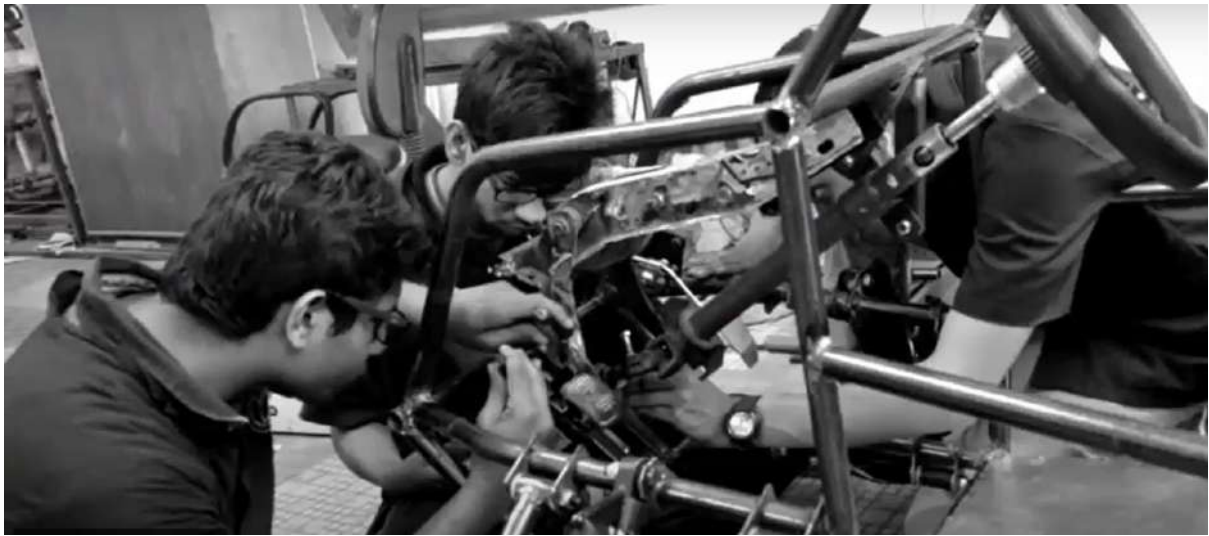
- Party of first part will share all fabricated chassis (worth 30000/- INR each) fabricated in 08 day workshop to Party of second part for research purpose.
- Since it is a national level training program, to promote the host college, party of first part will update the event on its official website, upload promotional post on Facebook 25000 followers) twitter, Instagram etc.
- The amount if collected by the Party of second part shall be submitted to Party of first part on the first day of the training program in the same mode of paid by the participant.
- If available in campus guest house, Party of second part will provide accommodation facility for faculties of Party of first time at the time of workshop.
- Party of second part will provide seminar hall (Day 1-4), Lab space to perform fabrication (Day 3-8) for the 08 day workshop to the Party of first part.
- Party of first part will provide the software, hand tools, power tools, machinery, raw material, components and all other material in conducting the training program.
- Publicity of the event will be carried out by Party of first part.

Authorized Signature: -

Party of First part

Party of Second Part

Summer Internship conducted by department of mechanical engineering CBIT in collaboration with Elite





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



MEMORANDUM OF UNDERSTANDING

BETWEEN

**Chaitanya Bharathi Institute of Technology
Osman Sagar Rd, Kokapet, Gandipet
Telangana 500075**

AND

**M/s Silicon Squadron (an MSME)
ACIC CBIT, CBIT Campus,
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



Memorandum of Understanding


This Memorandum of Understanding (“MOU” also called “Agreement”) is made as of the 17th of December, 2021 between Chaitanya Bharathi Institute of Technology, Hyderabad (hereinafter called “CBIT(A)” or “Institute”) and M/s Silicon Squadron (an MSME, incorporated under MSME in December, 2021 and having its office at ACIC CBIT, CBIT Campus, Gandipet, Hyderabad – 500075) hereinafter called “startup” or “Industry”. (MSME Registration No: UDYAM-TS-02-0039430 Date 24/09/2021)


(Note: Standard Format, M/s Silicon Squadron is the name of the proposed MSME Company)

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 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, a spacious Library with a Printed and Digital Collection of Books and Journals, Sports, a 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.

Silicon Squadron - Silicon Squadron is an affordable IoT digital device for the safety of women. This device can be programmed to send an SMS/SOS alert message to family members and emergency respondents like police for immediate action. A proactive response and timely alert can help to prevent violence and ensure the citizens safety. Silicon Squadron mobile app will have these features like – a privacy policy consent to keep a record of key


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




details like – personal information, medical primary information (like allergies, blood group, medications prescribed, any surgeries done earlier, disabilities, medical insurances details, family members and doctor emergency contacts) When the SMS/SOS alert is triggered it will also include these medical details to give the emergency respondents like paramedical or doctors, all kinds of important clues for first aid and emergency treatment of the victim and can save time and lives. A proactive approach for timely citizen services for sustainable and safe cities. Global Data from the app will share the location, date/time, and victims' demographics which can be used by City Administrative officials to reach out to the last shared location site for crime investigation and to narrow down investigation time and effort and also help make policy and key decisions in monitoring city security measures based on historical and real-time data.

2.0 Recitals

Silicon Squadron is interested in engaging with CBIT(A) in areas of mutual interest as the framework outlined below but not necessarily restricted to those mentioned in 2.1 to 2.6.

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/processes and software required by the customers and the society. The 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 Silicon Squadron, an MSME, to develop new products/processes, and software and incubate new ideas required by the customers and society. The Proposed Interaction will also help students of CBIT (A) to have industry interaction and involvement in development projects taken up by Silicon Squadron along with CBIT(A) or live projects being carried out by Silicon Squadron for other organizations under their internship. The industrial visits by the students will provide them with exposure to various equipment, design, software and manufacturing/business process, etc.

Silicon Squadron is interested in engaging with CBIT(A) in areas of mutual interest with focus areas as follows.


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



- 2.1 Innovative designs and develop a cost-effective IoT based digital assistant device integrated with a smartphone through an app for women's safety
- 2.2 Development of Software app design in mobile smartphone
- 2.3 Hardware design of IoT
- 2.4 To maintain the data from the smartphone app is integrated securely into Cloud for real-time crime mapping data tool
- 2.5 To conduct unique pairing digital signatures to curb information theft from counterfeit apps
- 2.6 Other areas of mutual interest and jointly apply for DST/Govt. funded Projects.

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 Silicon Squadron for enhancing, within the country, the availability of highly qualified manpower in the areas of technology for trackability, visibility, and verification of data and Development of Software which adds immense security to the members. The area of interaction will also include training and internship of CBIT(A) students to work on live projects at Silicon Squadron. The areas of cooperation can be further extended through mutual consent.

ARTICLE – II: Scope and Terms of Interactions

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

1. Both CBIT(A) and Silicon Squadron will plan to work on Joint development projects of Mutual Interest and also explore joint working on Govt. funded projects and other industrial projects based on mutual agreement. If necessary, CBIT and Silicon Squadron Form Engineers will also involve other premier Institutions in case the work is of Multidisciplinary work.


T. Chowdhury

Manu

2. Silicon Squadron 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 processes along with CBIT(A).
3. Silicon Squadron 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).
4. Silicon Squadron may avail library facilities at CBIT(A) for combined projects for students' project work with necessary permission from the Institute.
5. There will be no restriction on the contents of the thesis and on the 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 product development, process technology and design, etc. which involves matters of secrecy and concern with the 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 intellectual property, for which rights can be secured, it will be decided on a case-to-case basis depending upon the contribution from both institutions. Similarly, sharing of expenditure in securing such rights and income accrued through royalty, etc. will be decided on a case-to-case basis after mutual consultation and agreement.

ARTICLE-III: Sharing of Facilities

- a) Silicon Squadron 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 Silicon Squadron may explore sharing their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation depending upon the availability of such facilities without affecting their regular work.


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



- c) CBIT(A) and Silicon Squadron will permit the sharing of 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 the respective Head of the department of the branch/section.
- d) CBIT(A) provides 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 if 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. Any clause or article of the MoU may be modified or amended by mutual agreement of Silicon Squadron and CBIT(A).


ARTICLE - V: IPR

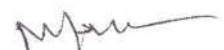
Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MoU, will be decided by CBIT and Silicon Squadron based on Mutual agreement.

ARTICLE – VI: Confidentiality

During the tenure of the MoU both CBIT(A) and Silicon Squadron 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.

ARTICLE – VII: AMENDMENTS


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



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.

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.

T. Chowley



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 a Conciliator appointed by the designated official as per the bye law of CBIT(A), Hyderabad to arrive at a settlement.


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
Silicon Squadron
Hyderabad

For 
Chaitanya Bharathi Institute of Technology
Hyderabad

By
Name: PRAKASH
Founder Prakash
(Mou)

Witness: 
GENU A. SHAIK

By 
Name
Principal

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





Meeting with the Women Safety Wing of the Telangana police department.





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



MEMORANDUM OF UNDERSTANDING

BETWEEN

**Chaitanya Bharathi Institute of Technology
Osman Sagar Rd, Kokapet, Gandipet
Telangana 500075**

AND

**M/s TRUSS (an MSME)
ACIC CBIT, CBIT Campus,
Gandipet, Hyderabad – 500075**

Chaitanya Bharathi Institute of Technology (A)

📍 Chaitanya Bharathi (PO), Kokapet (V), Gandipet (M),
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Memorandum of Understanding

This Memorandum of Understanding (“MOU” also called “Agreement”) is made as of the 14th of February, 2022 between Chaitanya Bharathi Institute of Technology, Hyderabad (hereinafter called “CBIT(A)” or “Institute”) and M/s TRUSS (an MSME, incorporated under MSME in December, 2021 and having its office at ACIC CBIT, CBIT Campus, Gandipet, Hyderabad – 500075) hereinafter called “startup ” or “Industry”. (MSME Registration No: UDYAM-TS-20-0027433 Date 30/12/2021)

(Note: Standard Format, M/s TRUSS is the name of the proposed MSME Company)

1. Introduction

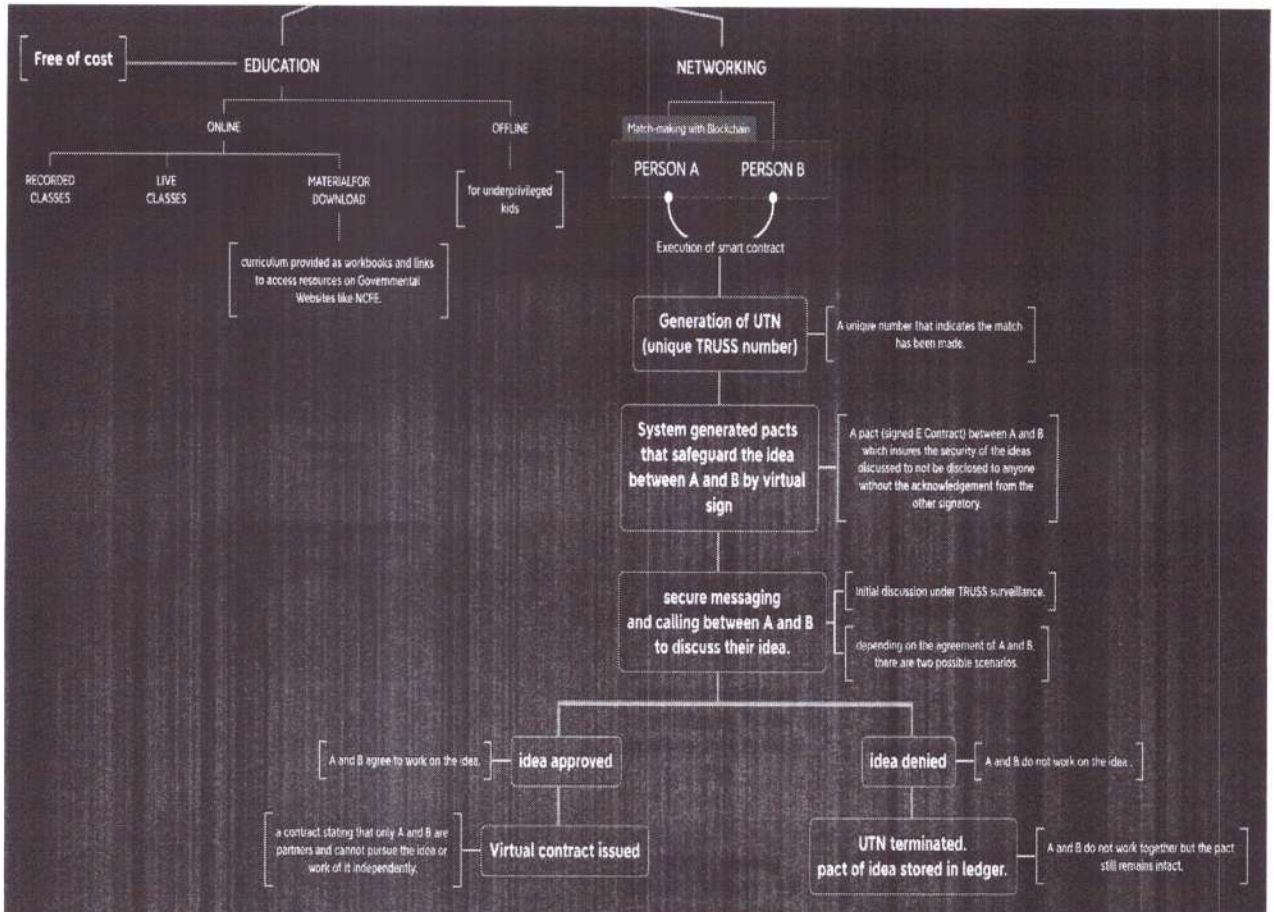
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (CBIT(A)), established in the Year 1979, esteemed as the Premier Engineering Institute in the States of Telangana and Andhra Pradesh, was promoted with an Objective to facilitate the Best Engineering and Management Education to the Students and contribute towards 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.

Truss- Bridging the gap between Entrepreneurs is a student entrepreneurial education and networking platform. We aim to aid in the education of students from all over the country to learn the necessary skills to be an entrepreneur. While not just limiting ourselves to education, we also provide a secure end to end networking platform where one can meet the most compatible business partner.

G. Chowly

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

FLOWCHART OF THE BACKEND WORKING OF THE PLATFORM-



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

2.0 Recitals

Truss 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 2.6.

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/processes and software required by the customers and the society. The 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 Truss, an MSME, to develop new products/processes, and software and incubate new ideas required by the customers and society. The Proposed Interaction will also help students of CBIT (A) to have industry interaction and involvement in development projects taken up by Truss along with CBIT(A) or live projects being carried out by Truss for other organizations under their internship. The industrial visits by the students will provide them with exposure to various equipment, design, software, manufacturing/business processes, etc.

Truss is interested in engaging with CBIT(A) in areas of mutual interest with focus areas as follows.

- 2.1 Innovative designs and development in the fields of blockchain technology for trackability, visibility, and verification of data which adds immense security to the members
- 2.2 Development of Software as a Service, which aims to educate, connect and aid student entrepreneurs
- 2.3 Education and Networking
- 2.4 To maintain the quality of members and mentors who join the platform
- 2.5 To conduct joint seminars and workshops to encourage college students towards entrepreneurship
- 2.6 Other areas of mutual interest and jointly apply for DST/Govt. funded Projects.



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

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 Truss for enhancing, within the country, the availability of highly qualified manpower in the areas of blockchain technology for trackability, visibility and verification of data and Development of Software which adds immense security to the members. The area of interaction will also include training and internship of CBIT(A) students to work on live projects at Truss. The areas of cooperation can be further extended through mutual consent.

ARTICLE – II: Scope and Terms of Interactions

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

1. Both CBIT(A) and Truss will plan to work on Joint development projects of Mutual Interest and also explore joint working on Govt. funded projects and other industrial projects based on mutual agreement. If necessary, CBIT and Truss Form Engineers will also involve other premier Institutions in case the work is of Multidisciplinary work.
2. Truss may seek assistance/guidance from CBIT(A)'s RE Hub for incubating New ideas under MSME Incubation Centre and initiating any start-up company to develop new products or processes along with CBIT(A).
3. Truss 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).
4. Truss may avail library facilities at CBIT(A) for combined projects for students' project work with necessary permission from the Institute.
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Director - Incubation & Innovation
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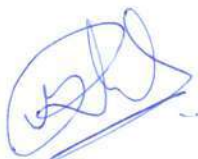
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7. If the outcome of an Internship or the Thesis work or the combined project results into an intellectual property, for which rights can be secured, it will be decided on a case-to-case basis depending upon the contribution from both the Institution. Similarly, sharing of expenditure in securing such rights and income accrued through royalty, etc. will be decided on a case-to-case basis after mutual consultation and agreement.


ARTICLE-III: Sharing of Facilities

- a) Truss 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 Truss may explore sharing their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation depending upon the availability of such facilities without affecting their regular working.
- c) CBIT(A) and Truss will permit the sharing of 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 the respective Head of the department of the branch/section.
- d) CBIT(A) provides 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.
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Director - Incubation & Innovation
R&E Hub, CBIT(A)
Gandipet, Hyderabad-500075

- c) During its tenancy, the MoU may be extended or terminated by 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. Any clause or article of the MoU may be modified or amended by mutual agreement of Truss 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 Truss based on Mutual agreement.

ARTICLE – VI: Confidentiality

During the tenure of the MoU both CBIT(A) and Truss 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.

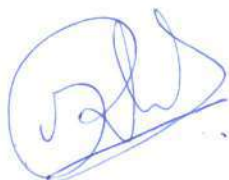
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Any amendment and/or addenda to the AGREEMENT should be in writing and signed by the PARTIES hereto and shall only after such execution be deemed to form part of the AGREEMENT and have the effect of modifying the AGREEMENT to the extent required by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




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

b) Force Majeure

Any delay or failure in performance by the party to this Agreement, shall not constitute a 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, Lockouts 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.

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, a dispute is not settled in negotiations, it shall be referred to a Conciliator appointed by the designated official as per the bye-law of CBIT(A), Hyderabad to arrive at a settlement.



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


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 Telangana - India shall have sole jurisdiction. All questions, disputes, and 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


Truss
Hyderabad

By 
Name: Mukund. Vishwanath
Founder

Witness: 
EENU A. SHAIK

For

Chaitanya Bharathi Institute of Technology
Hyderabad

By 
Name
Principal



Witness: 

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

Meeting with the Program Director of Atal Innovation Mission Mr. Manglesh Yadav





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



MEMORANDUM OF UNDERSTANDING

BETWEEN

**Chaitanya Bharathi Institute of Technology
Osman Sagar Rd, Kokapet, Gandipet
Telangana 500075**

AND

**M/s CortaHub (an MSME)
Surabhi Heaven Apartments,
D.D.Colony, Vidyanagar, Hyderabad – 500044**

Chaitanya Bharathi Institute of Technology (A)

📍 Chaitanya Bharathi (PO), Kokapet (V), Gandipet (M),
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This Memorandum of Understanding (“MOU” also called “Agreement”) is made as of the 14th of February, 2022 between Chaitanya Bharathi Institute of Technology, Hyderabad (hereinafter called “CBIT(A)” or “Institute”) and M/s CortaHub (an MSME, incorporated under MSME in December, 2021 and having its office at ACIC CBIT, CBIT Campus, Gandipet, Hyderabad – 500075) hereinafter called “startup ” or “Industry”. (MSME Registration No: UDYAM-TS-02-0052137 Date 10/02/2022)

(Note: Standard Format, M/s CortaHub is the name of the proposed MSME Company)

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 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.

CortaHub - AR Hologram Teaching in rural areas. In a world full of learning, there are still a few areas to be focused on. Providing effective teaching assistance in rural areas is very crucial. After the pandemic hit, we realized how important the need for a virtual presence is. Combining this community problem with the existing system we came up with the idea of effective teaching in rural areas using AR hologram technology. This leads to the greater usage

P. Shobana

T. Chowdy

of the available resources. With this, students and teachers shall experience better communication which also increases the literacy rate in rural areas.

2.0 Recitals

CortaHub is interested in engaging with CBIT(A) in areas of mutual interest as the framework outlined below but not necessarily restricted to those mentioned in 2.1 to 2.6.

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/processes and software required by the customers and the society. The 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 CortaHub, an MSME, to develop new products/process, and software and incubate new ideas required by the customers and society. The Proposed Interaction will also help students of CBIT (A) to have industry interaction and involvement in development projects taken up by CortaHub along with CBIT(A) or live projects being carried out by CortaHub for other organizations under their internship. The industrial visits by the students will provide them with an exposure to various equipments, design, software and manufacturing/business process etc.

CortaHub is interested in engaging with CBIT(A) in areas of mutual interest with focus areas as follows.

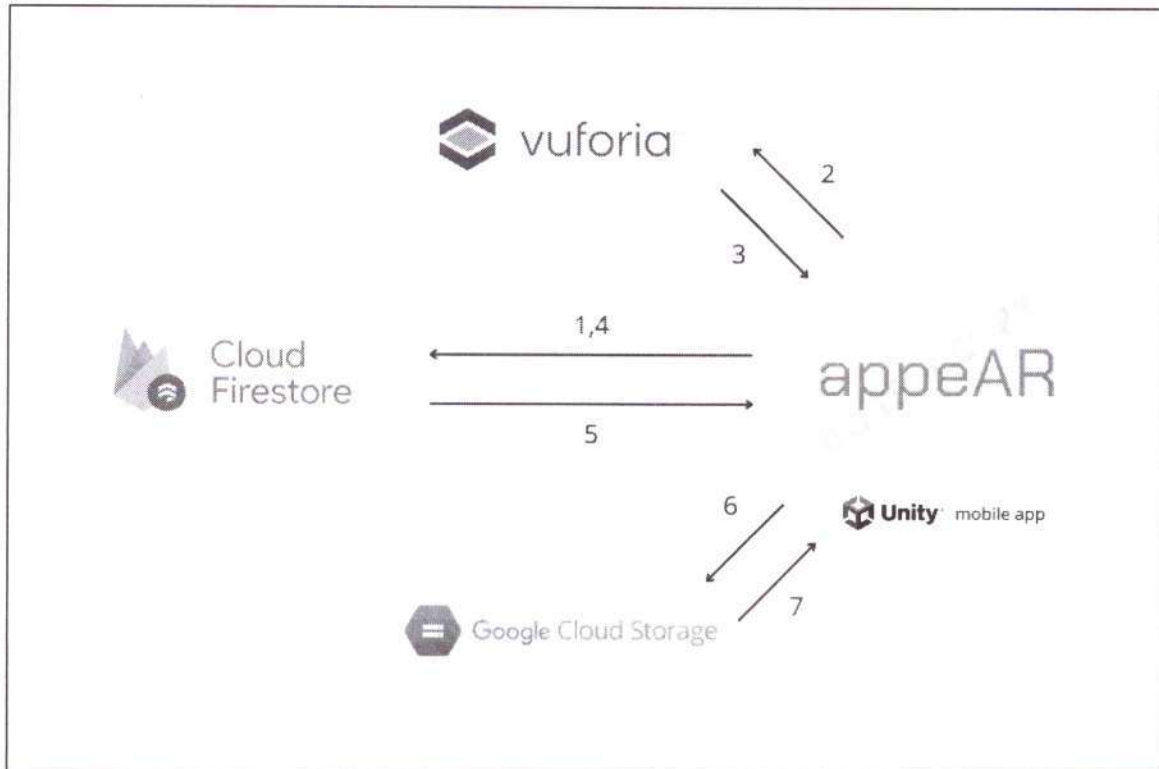
- 2.1 Innovative designs and development - Authentication of student trying to use app, with Firebase Authentication
- 2.2 Development of apps that can be used for demonstrating product prototypes in important business deals and also allows advanced features like real-time customization of products on e-commerce sites.
- 2.3 AR apps can be used in the Edtech Industry covering all educational institutes, schools, colleges, etc. to provide better conceptual understanding among students
- 2.4 A link is returned by the Firestore Database for resource access. All the resources are stored in Google Cloud Storage securely
- 2.5 To conduct - the package *appeAR* can be implemented in education institutions, this enables teachers to explain the concepts better with the help of holographic display, and AR app engages students in interactive learning with the help of Augmented Reality.

P. Bhaskar

T. Chowdy

2.6 Other areas of mutual Interest and jointly apply for DST/Govt. funded Projects.

Illustrates the basic process flow of the AR application – appeAR



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 CortaHub for enhancing, within the country, the availability of highly qualified manpower in the areas of blockchain technology for trackability, visibility and verification of data and Development of Software which adds immense security to the members. The area of interaction will also include training and internship of CBIT(A) students to work on live

P. Shaktaraj

T. Chocky

projects at CortaHub . The areas of cooperation can be further extended through mutual consent.

ARTICLE – II: Scope and Terms of Interactions

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

1. Both CBIT(A) and CortaHub will plan to work on Joint development projects of Mutual Interest and also explore joint working on Govt. funded projects and other industrial projects based on mutual agreement. If necessary, CBIT and CortaHub Form Engineers will also involve other premier Institutions in case the work is of Multidisciplinary work.
2. CortaHub 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 processes along with CBIT(A).
3. CortaHub 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).
4. CortaHub may avail library facilities at CBIT(A) for combined projects for students' project work with necessary permission from the Institute.
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 product development, process technology and design etc. which involves matters 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 a

P. J. Kakkar

G. Chowdhury

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 a case- to-case basis after mutual consultation and agreement.

ARTICLE-III: Sharing of Facilities

- a) CortaHub 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 CortaHub may explore sharing their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation depending upon availability of such facilities without affecting their regular working.
- c) CBIT(A) and CortaHub will permit the sharing of 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 the respective Head of department of the branch/section.
- d) CBIT(A) provides 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 if 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

P. Shrivastava

T. Chowdhury

Training/Project under the MoU. Any clause or article of the MoU may be modified or amended by mutual agreement of CortaHub 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 CortaHub based on Mutual agreement.

ARTICLE – VI: Confidentiality

During the tenure of the MoU both CBIT(A) and CortaHub 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.

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.

P. Shetty

C. Chowly

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.

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 a Conciliator appointed by the designated official as per the bye law of CBIT(A), Hyderabad to arrive at a settlement.

G. Chowdhury

P. Ghosh

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

CortaHub
Hyderabad

By

Name: Pyaraka Sri Chakra Raj
Founder

P. Dhruvraj

Witness: *L. Sravan Sai*

L. Sravan Sai

For

Chaitanya Bharathi Institute of Technology
Hyderabad

By

Name
Principal

P. A. Mohan



Witness:

G. Anand

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

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter referred to as MOU) is signed on **10th Jan, 2019** by and between

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY herein referred as **CBIT (A)** located at Gandipet, Hyderabad-500075, (FIRST Party)

And

SWECHA, a non-profit for organization herein called SWECHA located at SVK, beside CGG, SY No. 91, Gachibowli, Hyderabad-32, (SECOND Party)

Whereas CBIT(A) is the first private engineering college in Telangana, established in 1979 was promoted with an objective to facilitate the Best Engineering Education to the Students.

SWECHA, a non-profit for organization founded in 2005 to support SWECHA project. It is community of Software users, students, academicians, and Software professionals/developers determined to provide quality software built on the guidelines of free software development models and it is part of Free Software Movement of India.

AND whereas, the parties recognize each other's competencies and hereto agree that a strategic relationship between them will mutually benefit each other.

NOW this MOU aims to capture the understanding reached between SWECHA and CBIT (A) regarding each other's roles and responsibilities.

I) UNDERSTANDING:

This MOU is intended to cover a specific collaborative effort between SWECHA and CBIT(A) to make the student's industry ready by introducing several programs.

II) ROLES AND RESPONSIBILITIES:

Role of SWECHA:

- To provide awareness on Free and Open Source Software.
- Collaboration and guidance on curriculum development
- To create Research awareness through open knowledge systems, discussion sessions, open talks, seminars, guest lectures, Workshops, Faculty development Programs, Conferences etc.
- Technical support for infrastructure design and implementation.
- Industry-oriented training programs, Internships, Hackathons, social impact projects, community services.
- To explore the possibilities of mutual support between the Institute and Industry in learning, hiring, and research requirements based on mutual convenience.
- To provide offline and Online Training with Certifications on emerging technologies, Competitive Coding.
- To provide regular inputs for up-gradation of the Course curriculum to suit the

industry requirements.

Role of CBIT (A):

- CBIT shall provide infrastructure to support the activities.
- CBIT shall nominate one or two faculty members as SPOCs for the smooth conduction of events.
- CBIT shall give a minimum of two to three weeks prior information for conducting any program in association with SWECHA.
- CBIT shall give opportunity to host national or international events that are mutually benefit to each other.

III) GENERAL AND VALIDITY

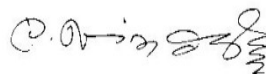
- a) The agreement between SWECHA and CBIT would be for a period of ONE year.
- b) This MOU may be amended, renewed, and terminated by mutual written agreement of the SWECHA and CBIT at any time with prior intimation.
- c) Unless otherwise agreed by the Parties separately in writing, each Party will be responsible for its own individual costs in conducting its duties and obligations under this MOU.
- d) Either SWECHA or CBIT shall have the right to terminate this MOU upon 60 days prior written notice to the other party.

Summary:

IN WITNESS WHEREOF, each of the parties hereto has caused this MOU to be duly executed by a duly authorised representative of such party as of the date first above written

SWECHA

Chaitanya Bharathi Institute of Technology



Signature:

Signature:

Name: D Bhuvan Krishna

Name: Dr.P.RAVINDER REDDY

Title: General Secretary

Title: Principal

Date: 10th Jan 2019

Date: 10th Jan 2019