

17.3.17 b – Progress against SDG17-

Policy Document for

Partnership for Goals

POLICY DOCUMENT ON PARTNERSHIP FOR THE GOALS

To effectuate quality education and exchange of minds, the University facilitates partnership with different stake holders in the matters of quality education, decent work and economic growth, clean water and sanitation, etc.

In terms of quality education, the University have stimulated MoUø with National and International academic institutions, various international organizations, national governmental bodies and institutions and corporations and local administration.

Adoption of Villages by the Institute

Further, the institution have adopted six villages in and around the areas of Kancheepuram District to extend its cooperation with the upliftment and support in terms of education, infrastructure development etc.

The following six villages were selected in the first phase of infrastructure development. The beneficiaries were identified with the help of local administration in subjective strategy, the Institute offered construction of toilets as a part of institutional social responsibility. The maintenance of the same are carried out periodically with the help of local administration by the University.

In the second phase, the University in the upcoming year 2021 will extend the academic knowledge platforms for enlightening six villages through various literacy programmes viz through digital literacy, legal awareness, awareness on start-ups, primary health care etc in collaboration with the interested collaborations.

Students foreign exchange programmes for both UG and PG education are facilitated by the University with different foreign Universities. Inter department faculty exchange programme facilitates the faculty members to enrich their experience with the other departments and thereby the students gets expert academic sessions during their course period.

National & International Collaborations

The Institute has voluntarily participated in various conferences and forums organised by both government agencies and NGOs. Very recently, this institute has participated in the 18th & 19th Round Table discussion on Sustainable Development Goals at Higher education Institutes. Because of the sustained exposure and efforts, this institute has achieved the status of "Zero Discharge". i.e., this institute is not polluting the environment by disposing either solid waste, liquid waste or / and E-waste.

As a responsible institute, an International workshop on "Smart and Sustainable Green Infrastructure" has been organised and successfully conducted in collaboration with one of the largest university in the world viz., UiTM, Malaysia. The outcome of the workshop cum proceedings have been submitted to the government agencies for appropriate inclusion in the policy documents.

This Institute in collaboration with one of the leading promoters of SDGs viz., Kankyo Technologies, Japan is promoting collaborative research and develop international best practices in several areas, especially in the following three (i) Pyrolysis unit, (ii) Bio gas unit and (iii) Mira Carbon Unit.

Because of the international collaboration, CLRI, CSIR, Government of India has sponsored a new, " Pyrolysis based Bio gas plant" with a contribution of INR.24,00,000 & this institute has contributed INR.11,00,000. This project is

expected to be completed in another 3 months. Sample photos taken at the construction site are submitted as evidence.

This institute has been making all efforts to collaborate with NGOs, as well as, with other organisations in order to carry out purposeful research and other activities to tackle the SDGs. Recently, our students have voluntarily participated in one of the well-known NGO's initiative for "Reduce - Reuse - Recycle", which has become a Guinness record.

In connection with this several student activities have been organized through Unnat Bharat Abhiyan Scheme and through NSS units of this institute. It includes several research projects, student volunteering programmes in nearby villages and developed educational resources.

Several skill development programmes have been conducted for these village youths and guided them for proper dignified lifestyle. The student volunteers of this institute periodically visit this villages, understand their problems and either provide a remedial solution or suggest the ways by which Government Grants can be obtained for the specific purpose.

As this institute aspires to be a "Top 200 International University" in the World Rankings, one of the major parameter identified for the continuous improvement is "Quality & Sustainability".

In order to bring in the sustainability aspect in all the Performance Indicators, this institute has entered into Collaboration / Agreement / MoU / MoA / Partnerships etc., with premier International Universities and Industries.

Currently, more than 50 active MoU are in place, so as to improve the performance and sustain the growth with respect to Academics, Research, Sponsored Projects, Consultancy & Extension activities.

These partnerships have resulted in several joint research publications, co-investigators of various funded projects, co-authors of books published, co-consultants for the industry problems, hand holding in the extension activities etc.,

Exhibitor

at

GITEX FUTURE STARS



17-20

OCT 2021

DUBAI WORLD TRADE CENTRE

Pod No: Z5-354, Z5-355, Z5-356, Z5-357

CRESCENT INNOVATION & INCUBATION COUNCIL

StartupTN

Crescent
Innovation
Incubation
Council



(A Section 8 Company Under Companies Act 2013)

91 Startup Compendium



EU - INDIA INNOVATION PARTNERSHIP

European Commission has recognized CIIC as an India Incubation Partner



B.S. Abdur Rahman

Crescent
Institute of Science & Technology
Deemed to be University's 3 of the UGC Act, 1956



BS Abdur Rahman Crescent Institute of Science & Technology

Seethakathi Estate, GST Road, Vandalur, Chennai, 600 048, Tamilnadu, INDIA



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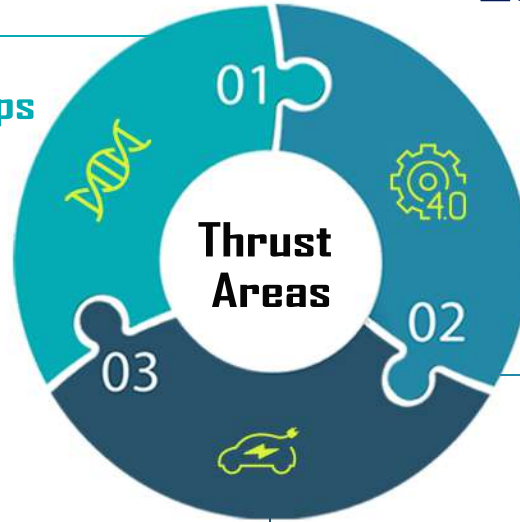
www.ciic.ventures

Start-up Infographics

20 Industry 4.0 Startups

65 Life Sciences Startups

Agri - Tech
Med - Tech
Bio - Energy
Bio - Pharma
Bio - Services
Bio - Industrial



IoT
Big Data
Simulations
Cloud Computing
Augmented Reality
Autonomous Robot
System Integration

6 Mobility & Transportation Startups

Drone Technology
Smart Electric Vehicle
EV Battery Management

46 External Startups



Providing solutions to reduce Co2 emission through algal technologies

UN SDG : 13,15



Predictive toxicity screening of small molecules in non animal models i e. C.elegans for accelerating drug discovery

UN SDG : 3,9



AcaDiCell Innovations International Pvt. Ltd. (Innovate & Inculcate)

Offers Stem cell based research & trainings and also involved in research on molecular diagnostics

UN SDG : 3, 4



Agrifaculture India Pvt Ltd

Public toilets for women on electric autorickshaws with patent pending Nanoflush No view and thermal composting preprocessor and sanitary napkin pasteurizer

UN SDG : 6



Aloe Ecell is the world's first 100% ecofriendly and non hazardous 1.5V AA size Aloe vera Batteries which are an alternative to the deadly hazardous dry cell batteries

UN SDG : 6



To Invent and Commercialize Novel Genetic Diagnostic Platforms

UN SDG : 3



R&D activity in the field of Genetic Engineering for agriculture, Pharmaceutical, Food, Feed, Vaccine and Dairy products

UN SDG : 3, 4



CareMe Health

Creates a digital health care delivery system and provide direct patient care via telemedicine

UN SDG : 3



CLACO PVT LTD

Providing research & learning platform for students and developers to compete in the global market

UN SDG : 4



CREST INNOVATIONS

Developing food formulation for an effective management of chronic health conditions

UN SDG : 3



Developing a convertible electric wheelchair cum bed with a novel defecation system to assist the immobile population

UN SDG : 3



E3IQ

Developing cutting edge Extended Reality (XR) products & services to help industries in digital transformation elevating efficiency of training & operations

UN SDG : 9



Providing infrastructure management services to clients globally by providing IT operations

UN SDG : 9



ENMAZ aims at revolutionize the process of digitizing any factory/ industry and enable customers to analyze productivity, process efficiency and machine condition like never before

UN SDG : 9



EXONN BIOSCIENCES

working in the field of biotech & IT with the use of data science to analyze patients disease at the molecular level to address them with right treatment

UN SDG : 3,4



Developing product called "GroTron® is a "360° Autonomous Precision Farming Platform" that encompasses all facets of Agriculture using AI/ML/IoT

UN SDG : 2,12

FRONTIER LIFECARE INNOVATION PVT LTD

Focusing on Molecular Biology & Cytogenetics based research and services

UN SDG : 3



Innovated, Developed & Patented high dietary fibre, high protein, Low GI white polished "Village Rice"

UN SDG : 2,3,12



GRITTER SOLUTIONS PVT LTD

Developing AI based gamified & targeted indoor vehicle advertising solutions for MSME's

UN SDG : 9



Development of super hydrophobic antimicrobial and reusable gloves

UN SDG : 3



Providing technologically driven IOT based products and solutions for post – harvest management and protected environment farming techniques

UN SDG : 2,12,13

ISOPORT CHAMBER PVT LTD

Redefining healthcare by building smart hospital infrastructure with IoT & AI /ML engine

UN SDG : 3



IVIEWSENSE

Providing business intelligence & Data Analytics consulting services, software solutions, products & training

UN SDG : 9

iGN Biotech Pvt Ltd

Redefining your health through genetics and cell therapy based technologies which holds the potential to revolutionize medical therapeutics

UN SDG : 3



Developing cutting edge biomedical instruments for Stem cell therapeutics and drug screening applications

UN SDG : 3



KARDLE INDUSTRIES PVT.LTD

Developing NextGen Bioprocess and Air Process Sysytems

UN SDG : 9



Focusing on transforming offline and online businesses to achieve their full potential in their digital space with the help of technology and services

UN SDG : 9



Developing efficient high quality, eco-friendly cleaning products which helps in elimination of indoor pollution

UN SDG : 6



Providing an online platform and fingerprick blood testing services enabling the monitoring of ones health from the comfort their homes

UN SDG : 3



Mark Application Engineering Labs offers smart new product development possibilities by considering latest and advanced components and surface treatment technologies

UN SDG : 9



MirrAR platform simplifies the process of creating, sharing and exploring AR, VR, MR & 3D experiences without writing any code that works on any device in just few min to enhance better sales & customer experience

UN SDG : 9



Developing advanced, premium and indigenous protein and meal replacement products from plant and dairy sources for medical, fitness and health purposes

UN SDG : 2,3



Developing innovative drug discovery and synthetic organic chemistry solutions to pharma and life sciences industries for disease indication in oncology

UN SDG : 3



Developing indigenous functionalized magnetic beads for extraction & purification of biomolecules for industrial applications

UN SDG : 3



Developing cost-effective field based kits and devices for the rapid diagnosis of infectious diseases through innovative technologies at affordable price

UN SDG : 3



REYNLAB TECHNOLOGIES INDIA PVT LTD

Digital Twins based Ed-Tech platform to deliver experience based & immersiveskill development programs

UN SDG : 4



Making Aquaculture sustainable through parameter monitoring and resource optimisation reducing mortality rates and yielding export quality shrimps

UN SDG : 14



Developing enzyme based cocktail with depolymerization for degradation of multiple polymers

UN SDG : 9,13



SIMHA BIOTECH PVT LTD

Developing herbal products that are suitable for nutraceutical, pharmaceutical & cosmeceutical application

UN SDG : 3



Shri Meenakshi Associate

Providing eco friendly false ceiling in weather fabrics to control the weather conditions effectively

UN SDG : 3



Providing solutions in the field of mechanical, electronics, IOT and automation space through strategic tie-ups & joint ventures

UN SDG : 9

STY.COM

Mobile based E-Commerce platform for clothing & accessories rentals with styling tips

UN SDG : 9



Democratizing fashion and making high end fashion affordable for masses

UN SDG : 10,12



Developing electric vehicles with better convergence of performance, efficiency and battery power compared to traditional IC engine bikes

UN SDG : 7



Collaborating Innovative Science & Technology to address some of the societies most challenging healthcare issues to improve and extend peoples lives

UN SDG : 3



manufactures educational robotic kits and components and aims to reconstruct the academic approach towards robotics and Automation

UN SDG : 4

10 Alumni Startups



An environmental technology and EPC firm, providing turnkey solutions in water & waste water treatment

UN SDG : 7



Offers customized Biogas solutions for a range of application

UN SDG : 7



KANKYO ENERTEK
FUELLING THE FUTURE

Developing patented methanol gasification technology that transforms a carbon based material into synthesis gas (Syngas)

UN SDG : 7



Kankyo Cleantech LLP

Providing solutions for solid waste management, waste to energy, bioremediation & air pollution control

UN SDG : 7



KRISHNA WATER HEATER SOLUTIONS

Heat Water, Instantly, Effortlessly with minimal Energy

UN SDG : 6



Developing eco-centric AI-IoT integrated smart alert indoor air quality monitor & advanced anti-microbial nanoparticulate carbon-metallic ion six stage purifier with photocatalytic oxidation technology

UN SDG : 3



iPropeller Technologies
Research & Development Pvt Ltd.

Edutech platform which engages students to do research in the field of Robotics, drones, aeromodelling, 3D printing & IOT

UN SDG : 4,9



REKINDLE
Safety Intelligence You

Rekindle Automations is a Healthcare based startup with the vision to Increase Safety of The Patients by Making the Hospitals more Intelligent

UN SDG : 3



Providing a low cost, high precision, data driven IOT based water management solution that solves the impending water crisis by reducing water consumption.

UN SDG : 6,7



60Plus India, is an online platform where children living away from their parents can book services and buy products for their senior citizen parents

UN SDG : 3

9 Faculty Startups



Providing solutions like drug formulation, repurposing of potential drug candidate & drug screening based on the customer needs

UN SDG : 9



Development of Humanoid robots to help retail business through face recognition, intelligent communication, customer feedback, sales & marketing support

UN SDG : 9



Developing technology and processed based on the microalgal biomass & products through NanoBiotechnology protocols

UN SDG : 2,12



Providing solutions for buildings that require repair and rehabilitation to enhance the service life of the building

UN SDG : 9,11



Mobile based application that enhances the google maps navigation system more accurately by using the 8 digit alphanumeric code

UN SDG : 9



Development of Nanoparticle rubber mix to improve tire durability, increase life cycle twice & decrease waste generation

UN SDG : 7



Development of Nanoemulsion mechanism which is unique disinfectant which fights rice fungal pathogens

UN SDG : 3



Providing solutions for farmers to use technology driven methods to increase productivity of crops

UN SDG : 2,3

26 Student Startups



Bio-Nawrap

Developing an eco-friendly Bio-Nawrap which enhances the protection of food items placed inside the wrap against food borne pathogens and also increase the shelf life of food

UN SDG : 7



Organic nano based formulation to cure acne. A natural solution for young, healthy and glowing skin. COS-NO-ACNE cream completely clears ACNE

UN SDG : 3



Development of antibacterial drug formulation by using anionic protonophore and tannic acid

UN SDG : 3



Developing green nano based disinfectant against multidrug resistant microorganisms to provide germ free environment.

UN SDG : 3



SIL-CHILL-BURN

Chill your burns

Developing green and clean based bag, an eco-friendly product for the waste water treatment

UN SDG : 7



TRANQUIL NANOMEDS

CURE FOR CELLULITIS

Nano based cream to control Bacteria induced secondary wound infections

UN SDG : 3



Alternative natural supplements for chemotherapeutic drugs used in the Treatment of cancer using plant-based Natural substances with no Side-effects prepared in a Cost-effective Manner

UN SDG : 3



Nanotech formulated fish feed which serves as immune booster, prevention of vibriosis and also act as growth stimulant

UN SDG : 14



Multipurpose nanobased plant growth promotor and protector from bacterial fungal diseases, green and eco friendly, biodegradable, non toxic formulations developed by Innovatino

UN SDG : 15



An anti-fungal eye drops using nanotechnology to Cure eye infections caused by various fungal species

UN SDG : 3



Smart Fuel

Stopping pollution is the Best Solution

Developing a non-toxic environmentally friendly bio-fuel

UN SDG : 7



UTI - CIDE

Developing novel drugs for Urinary tract infecting pathogens

UN SDG : 3



ALION

Step towards Green

Developing green and clean based bag, an eco-friendly product for the waste water treatment

UN SDG : 6,7



CITRUS

FROM CANKER TO NECTAR

Nano based spary to control and prevent citrus canker in various species of Citrus

UN SDG : 3



FOREVER STEEN

Grow to glow

An organic, nano based anti aging cream to reduce the wrinkles and fine lines for visibly firmer-looking skin

UN SDG : 3



LAC GEL

An antimicrobial gel formulation for topical use, effective in cuts, burns and wounds

UN SDG : 3



NAN-O-FRESH

As our guardians against hazardous microbes in and around our bodies, environmentally safe nanomaterials are integrated into our products

UN SDG : 3



techet

techno solutions

Development of Electric vehicle charging points directly from power grid mitigating range anxiety faced by Electric vehicle

UN SDG : 9



VIBROTIC

FEED ADDITIVE, MORE PRODUCTION

Feed additive to prevent vibriosis and to promote fish growth

UN SDG : 14



BacKM Capsule is an Eco-friendly product to remove dyes from various industrial effluents to utilize for sustainable agriculture

UN SDG : 7



CLENSELLA

Natural innovation

A safe natural cleanser which acts as a biodefensor against multi drug resistant pathogens

UN SDG : 3



HERBOBLEND

Nanotech based feed additive for poultry to stimulate the immune system and gut health against various antibiotic resistant pathogens

UN SDG : 15



MHS

CREATING BIOREMEDIATION

Development of biomaterials for the treatment of effluent water sludge to achieve zero sludge disposal

UN SDG : 7



SENSOCAN

SENSE WITH BASE

An accessible, affordable, non-invasive and easy to use diagnostic kit for detecting oral cancer using salivary based biomarkers

UN SDG : 3



TRADENT

Defining the future...

Tradent aims on automated farming in the absence of human/farmers yet performs the same work even more efficiently and in a human friendly way

UN SDG : 2,12,15



Focusing on microbe-free water and research footsteps to make effluents contamination free

UN SDG : 7

Partners

Government



Ecosystem



TamilNadu Biocluster



Investors



Business



International



Incubation Policy

CRESCENT INNOVATION AND INCUBATION COUNCIL



**General
Incubation
Package
(GIP-A)**

**General
Incubation
Package
(GIP-B)**

**General
Incubation
Package
(GIP-C)**



Service offers



General Incubation Package

GIP - A

Per Month

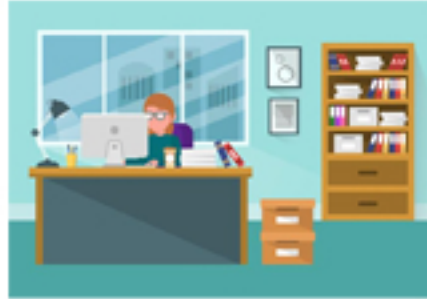


Rs. 3500/-
person / startup

Access to Section
I to V

GIP - B

Per Month



(200 Sqft) Per Month



Rs. 7500/-
startup

Access to Section
I to V

GIP - C Rs. 12500/-

(200 Sqft) Per Month



Access to Section
I to V

Access to equipment in the
BIONEST Lab
(instrument details
in Equipment Usage Manual)

Thrust Area

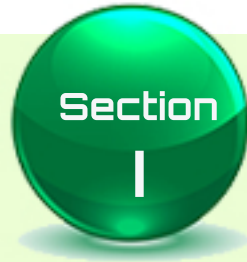


Mobility & Transportations



Appropriate and affordable co-working space

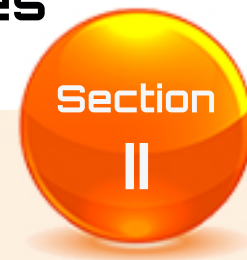
1. One Seat & Table in Office Space
2. Internet connection.
3. Landline Telephone Connection
4. Uninterrupted Power supply
5. Printer/ Photocopier/ Scanner - 200 copies/ month
6. Access to Meeting Room with Projector / Video conferencing facilities – 25 hours/month
7. Access to Seminar Hall
8. Tea / Coffee Machine – Unlimited
9. Common Secretarial/ Reception Facility
10. Participation in Guest Lectures/ Workshops organised by CIIC
11. Students Interns from Crescent
12. Mentorship from Academic expertise from BSACIST



Appropriate and affordable support services at payment options

Incubator will provide services such as access to

1. Legal and finance services
2. IPR
3. Market research
4. Hiring of human resource
5. Networking, secretarial, monitoring
6. Seed fund (where applicable)
7. Branding 'Incubated at CIIC Incubator wherever appropriate
8. Business management advice (available for package Space B & C)
9. Operational space and laboratories (available for package Space C)
10. Fabrication of prototypes (available for package Space C)
11. Logistics, storage, distributions (available for package Space C)



Incubator's active support to startup

Business Tools

Incubator will provide access to startup Business network platforms worth of Rs 10 Lakh (such as Zoho, AWS, Razorpay, Freshwork, etc.)



Mentoring Support

Incubator will use CIIC's existing large pool of mentors and its network partners



Access to Investment & Market

Connections to Government Seed Funds / AI / VC / PE International Incubators / Accelerators / HNI / Industries. Market Development Support, Access to Global Market



Graduation / Exit

Revenue of Rs. 10 Cr or Operating Profit of Rs 150 Lakh or Employees of 50 people whichever is earlier.

