WELCOME

ANNUAL REPORT 2021
ATAL INCUBATION CENTRE RAISE

ICRAISE
Supports: Atal Innovation Mission, NITI Aayog, Govt. of India

Supported by:
Atal Innovation Mission

NITI Aayog
Dr. Madan A Sendhil

Chief Executive Officer

"Most of what you hear about entrepreneurship is all wrong. It's not magic; it's not mysterious, and it has nothing to do with genes. It's a discipline, and like any discipline, it can be learnt."

-Peter Drucker

I am happy to share that AIC RAISE is heading towards 3rd year. With reference to the above quote, we too believe with Peter Drucker that entrepreneurship can be learnt. An entrepreneurial environment is created by innovative, creative and enterprising people. AIC RAISE brings a large network of people together to share their business knowledge and skills that help young entrepreneurs to unlock their potential. We want to scale up our impact and hope to change the budding entrepreneurs. So they can be seen as people of high potential who can contribute to society. I would recommend to anyone with an interest to go ahead. It's easy to start small and in starting small you can learn a lot. We are able to guide, advise and provide the needs of entrepreneurs with the necessary resources every step of the way. We travel on the verge of explosive growth and which is actually the need of an hour for employment generation through developmental intervention. The mission of AIC RAISE is to give encouragement to many innovative ideas. We work to break the myth that entrepreneurs are conventionally rated as risky careers. So that our goal is to help, create and grow young businesses by providing them with the necessary support with services. We travel with an aim to produce successful firms and create hundreds of start-ups that illuminate and ignite our country's economic growth.

facebook / linkedin / madan a sendhil
We focus on creating a successful and flexible environment. The main objective of AIC RAISE is to promote innovation-based startups. With core expertise, AIC RAISE has been serving business entities and entrepreneurs in varied areas like accelerating and scrutinizing. We are concerned and create awareness with various professional forums. It is an active and engaged community where you can learn and nourish yourself. We help to raise every challenge and nut with positivity. It helps entrepreneurs to an incredibly exciting future. We implement our own recommendation to help entrepreneurs to integrate into the network and contribute to the wider society. AIC RAISE is a real peer to peer learning in action. We support young entrepreneurs to create a distinctive new identity. We build a platform that helps to nourish the passion for young entrepreneurs. We tend to provide the provision of support for entrepreneurs. By bringing up the network and communities, we create an agenda in shaping to make a better future for budding entrepreneurs. We promote and stimulate the role of entrepreneurs which helps to create a potential startup.

The sole purpose of AIC RAISE is to foster emerging entrepreneurs. There are many reasons to become an entrepreneur. Improving the quality of entrepreneurs leads to enriching the world. AIC RAISE creates an opportunity for the budding entrepreneurs they are passionate about. AIC RAISE unleash the power of entrepreneurship by accelerating the entrepreneurial journey. We create an ecosystem for social entrepreneurs by supporting growth. AIC RAISE aspires entrepreneurs to excel in an entrepreneurial environment.

/Dr. Nagaraj Balakrishnan
/Dr.R. Arunkumar Rajendran
Mr. Pradeepraj M S  
**Manager Incubation**

In recent years, the startup ecosystem has trended in accelerating a nation’s economic growth. We connect with the experts who have a ringside view of the startup ecosystem. It helps to translate and accelerate the passion of entrepreneurs to successful firms. AIC RAISE frames a system that helps in transforming research to market and create opportunities for the emerging start-up and helps in enabling a growing ecosystem along with the support of the Government. AIC RAISE fosters the spirit of entrepreneurship by enriching the entrepreneurial ecosystem through our contribution. We help start-ups to sustain their growth and lift them upward.

Mr. ARUN RAJ MANIKARAJ  
**BUSINESS HEAD**

Precisely, start-ups have been receiving greater attention in many parts of the universe. In India, the number of start-ups is widely increasing and gradually gaining more support in multiple dimensions. AIC RAISE acts as a pillar to start-ups and satisfies their needs by supporting them. We help them to tackle the typical challenges that start-up struggle with. AIC RAISE draft an outline to adapt to the entrepreneurial ecosystem. We incubate the start-ups to come up with innovative ideas and solutions. AIC RAISE seeks to design and implement progressive policies to create a conducive environment for start-ups. I am delighted to expose that we have been instrumental in contributing immensely to the startup ecosystem supporting start-ups through guidance, mentorship and support.
ABOUT AIC RAISE
AIC RAISE encourages and backup innovative startups with suitable physical infrastructure in terms of capital equipment and operating facilities, key domain knowledge support, coupled with the availability of sectoral experts for mentoring, business planning support, access to seed capital, market information, management, business strategy, industry partners, training and critical networking.

About us
Nurturing the ideas that can save the world

VISION
- To facilitate a platform for a budding entrepreneur to start a business venture with minimum risks.
- To create a space for new-age entrepreneurs and young minds to transform their innovative ideas into viable business propositions.

MISSION
- Inspire, connect and learn. Bloom with us to nourish your passion for entrepreneurship.
- Focused on targeted topics and nurse you to flourish
- We promote a culture of Innovation and Entrepreneurship.
- Travel parallel with Innovation and Invention.
- Innovation ideas are generated and nurtured.
- We work on accelerating the impact.

VALUES
- Empowering UN SDG Startups
- Enriching The Spirit of Innovation
- Startup Growth Acceleration
OUR TEAM

Dr. MADAN A SENDHIL
CHIEF EXECUTIVE OFFICER

Dr. B. NAGARAJ
DIRECTOR - OPERATIONS

Dr. R. ARUNKUMAR
SENIOR MANAGER

Mr. ARUN RAJ MANICKARAJ
BUSINESS HEAD

Mr. PRADEEP RAJ MS
INCUBATION MANAGER

Ms. UMA MAHESHWARI
CORPORATE CLIENTS EXECUTIVE

Mr. KAMESHWARAN
EXECUTIVE FINANCE

Mr. VADIVEL
ACCOUNTS ASSISTANT

Mr. DINU ANAND R
EXECUTIVE CSR - RELATIONS

Mr. JEBAJOSHUA
GRAPHIC DESIGNER

Mr. MATHAN KUMAR
ADMIN EXECUTIVE AND CO-WORKING
AIC RAISE's impact

$750K
INVESTMENT RAISED BY STARTUPS

50
STARTUPS INCUBATED

62
AWARDS & RECOGNITIONS FOR INCUBATOR & STARTUPS

145
PROGRAMS & WORKSHOPS

25
CO-INCUBATION & LOCATIONS

169
JOBS CREATED

6227
ATTENDED EVENTS & TRAININGS

18 MONTHS

50+
Start-Ups

$750k
SEED FUND FOR STARTUPS

60+
Mentors

50+
Start-Ups

$600k
Additional Funding for Startups

04+
Commercial Connects

60+
Awards & Recognitions for Successful Startups

140+
Programs & Training Sessions

280+
Jobs Created through Startups

6400+
Attended Events & Training

$750K
Investments Raised by the Startups

2L+
Lives Touched

20+
Co-working & Incubations

Sub-Sectors
AIC RAISE

India’s first Startup Incubation Centre focusing on United Nations Sustainable Development Goals established under the prestigious Atal Innovation Mission of NITI Aayog, Govt. of India.

AIC RAISE encourages and backups innovative startups with suitable physical infrastructure in terms of capital equipment and operating facilities, key domain knowledge support, coupled with the availability of sectoral experts for mentoring, business planning support, access to seed capital, market information, management, business strategy, industry partners, training and critical networking.

Who we are
India’s first United Nation sustainable development Goals Incubator supported by Atal Innovation Mission

What we do
We work on accelerating the impact

Whom we support
From early stage social enterprise, purpose-driven companies, to NGOs, innovators, change makers

Our Impact
India’s first United Nation sustainable development Goals Incubator supported by Atal Innovation Mission

PHYSICAL INCUBATION PROGRAM
FOR INCUBATION FEE / EQUITY

INFRASSTRUCTURE

For Incubation Fee
- Co-Working Seaters
- 2 Seats for 30 Days across the program

For Equity
- Co-Working Seaters
- 3 hot desks/ month

- Conference Room 4 hrs/month
- Fab Lab - 5 hrs/month

- Mentoring Connect with Experts/ Mentors
- Training & Capacity Building Programs
- Access to Startup related Events/ Workshops
- Global Network & Peer Connect
- Information & Knowledge Pool
- Access to Seed Fund & Investment Support
- Startup Tool-Kit
- Market Connect & Industry Collaborations
- Legal, IPR, Business & Financial Advisory

VIRTUAL INCUBATION PROGRAM
FOR INCUBATION FEE

- Mentoring Connect with Experts/ Mentors
- Training & Capacity Building Programs
- Access to Startup related Events/ Workshops
- Global Network & Peer Connect
- Information & Knowledge Pool
- Access to Seed Fund & Investment Support
- Startup Tool-Kit
- Market Connect & Industry Collaborations
- Legal, IPR, Business & Financial Advisory
OUR PARTNER'S

Here are our partners and associates who have walked and continue to walk the incubation path with us.
IEDC
CENTRE FOR INNOVATION, CREATIVITY AND ENTREPRENEURSHIP

AIC RAISE IEDC Centre focuses on igniting innovation, creativity and entrepreneurship spirit among students to evolve viable products and solutions addressing various problem statements of the society and to build global level startups from our Nation.

What is AIC RAISE IEDC Program?
AIC RAISE Innovation and Entrepreneurship Development Centre (AIC RAISE IEDC) is the programme launched by National Science and Technology Entrepreneurship Development Board (NSTEDB), Department of Science & Technology (DST), Government of India. AIC RAISE IEDC will aim to inculcate the spirit of innovation and entrepreneurship amongst the young S&T students, encourage and support start-up creation through guidance, mentorship and support.

Key Objectives of the Program:
- To identify and spur innovation mindset among students
- To provide a platform for students to develop their innovative ideas into products & solutions
- To provide support for the implementation of evolved products & solutions
- To support creating young entrepreneurs and startups across various disciplines

What students will get from AIC RAISE IEDC Centre?
- In-depth exposure towards Innovation, Creativity, and Entrepreneurship
- Zero fee trainings on Brainstorming, Brainwriting, Design Thinking
- Support for Product Development through hands-on workshops and hackathons
- Implementation of products and solutions
- Participation in related capacity building programs
- Connect with sector-specific Mentors and Industrial Experts

What is the process of selection and the time line for NewGen IEDC?
For setting up AIC RAISE IEDC, proposals are invited from eligible institutions. A Sub-committee is constituted to critically examine and evaluate the proposals on various parameters namely: completeness of the proposal, innovation content, overall methodology and quality of student projects. Short listed institutions are invited for the final presentation before the National Expert Advisory Committee (NEAC) constituted by DST who in turn, recommends the eligible institutions. List of selected institutions is displayed on www.alcraise.com/iedc. The entire process takes about 4-6 months.

SIP
STUDENT INNOVATOR PROGRAM

This program will teach you all the required skills needed to immerse yourself in the world of Innovation & Entrepreneurship. And you will be ready to build a market ready product which can be converted into a startup with the support from AIC RAISE.

Mission - Our mission has always been the same: inspire, connect, and learn. We provide our members with unmatched educational programs focused on targeted topics to suit every student’s interests. Join a community of students from all different backgrounds across the world who share the same passion for entrepreneurship.

BENEFITS
NETWORKING - Connect and meet a plethora of students, investors, founders, and leaders from all across the globe with different backgrounds.
- Mentorship opportunities with leading experts: connect and grow with the leaders that you look up to and the people you want to work with (VCs, executives, etc)
- Peers & fellow student entrepreneurs
- Casual virtual happy hours, hackathon, round table discussions and mentoring sessions
- Meet and collaborate with students from universities all around the world

LEARN - Master your skills with the world’s most successful leaders from our network, as part of our global community of 600+ chapters and through our online program.
- Student-only virtual events
- Educational content (videos, blog posts)
- Curated content for early founders & student entrepreneurs
- During our conferences, students have the chance to engage in private speaker meet & greets.

CAREER + INTERNSHIP OPPORTUNITY
Connect with our vast network of startups and corporate partners for endless opportunities.
- Connect with top companies looking to hire entrepreneurial students
- CEO has a nice ring to it. Let us help you get there by connecting you with a variety of different internship + career opportunities
About
With a focus on exploring AI applications with students and faculty, our AIC RAISE established the Centre of Excellence in Artificial Intelligence and Machine Learning with the support of Augusta Hitech Soft Solutions, Coimbatore in 2019. It facilitates model building in the fields of Image & Video Analytics, Speech Synthesis & Recognition, and Natural Language Processing. Artificial Intelligence (AI) is the simulation of human cognitive processes by machines. It automates processes and aims to ape human intelligence by applying Cognitive Computing (simulation of human thought processes) to IT systems.

Benefits of Centre of Excellence
- Availability of a technology lab for faculty and students.
- Industry standard proficiency courses for upgrading skills.
- Creating internships in the AI & ML domain.
- Access to industry experts, courses, and a showcase of talent.

Objectives
- To carry out certified training in the areas of medical image analysis, object detection, crowd detection, people behaviour, etc. for students.
- To build an industry with capable talent, a start-up community, and an entrepreneurial ecosystem in the AI & ML domain.
- Conduct project-based training for students and faculty to build a vibrant community that applies AI to solve real industry-specific problems.
- To provide an ecosystem for innovation to thrive and embrace entrepreneurship.
- To energise the research mindset and reduce costs in research and development by providing neutral and interoperable, multi-technology stack laboratory facilities.
- To provide an environment for product creation, testing, and also for validation and incubation.

Course under Centre of Excellence for Artificial Intelligence and Machine Learning
Course Name: Artificial Intelligence and Machine Learning
Prerequisite:
- Knowledge based on Linear Algebra, Probability and Statistics.
- Knowledge based on General programming languages (not specific to any high-level language).
- Knowledge based on Problem Solving Methodology.

Learning outcome
- Understand AI, its applications and use cases.
- Intelligence is transforming the industry.
- Understanding the terms of machine learning, neural networks, and deep learning.
- Hands-on training for Tensorflow to implement AI.

*“It's increasingly difficult to think that there should be some regulatory oversight, maybe at the national and international level, just to make sure that we don't do something very foolish, I mean with artificial intelligence we're summarizing the element.”

- Elon Musk
**Centre of Excellence for Internet of Things**

**About**
Centre of Excellence for Internet of Things supported by Rently Software Development Private Limited, Coimbatore established in 2019, where industry certified course and skill training in cybersecurity domain given for students.

The vision of the CoE is to enable our society as the innovation hub in the emerging technology of Internet of Things through democratization of Innovation, Standardization, Realization of prototype, products before deployment of the IoT devices in the public domain/infrastructure and support Govt. initiatives on IoT solutions for specific India needs in areas like water, energy, agriculture, health, security and privacy of data.

**Objectives**
- To create innovative applications and domain capability such as Smart City, Smart Health, Smart Manufacturing, Smart Agriculture, etc.
- To build industry capable talent, start-up community and entrepreneurial ecosystem for IoT.
- To provide an ecosystem for innovation to thrive and embrace entrepreneurship.
- To energise research mind-set and reduce costs in research and development by providing neutral and interoperable, multi-technology stack laboratory facilities.
- To provide environment for product creation, testing and also for validation & incubation.

**Benefits of Centre of Excellence on IoT**
- Availability of technology lab for faculty and students.
- Industry standard proficiency courses for upgrading skills
- Internships on IoT projects
- Access to Industry experts/ courses / showcase of talent.

**Course Name: Internet of things for Industry 4.0**

**Course Objectives:**
This course elucidates concepts related to Internet of Things. The students will get hands-on experience in working with Raspberry Pi 3 and exploring IoT.

**Course Outcomes:**
After completion of the course, the students will be able to understand the working of Raspberry Pi, its features and how various components can be used with Pi. The students will be able to understand IoT practically.

"If you invent a breakthrough in artificial intelligence, so machines can learn, that is worth 10 Microsofts."
Module 1
Impact of IoT on the Internet and economy are impressive, with some anticipating as many as 100 billion connected IoT devices and a global economic impact of more than $11 trillion by 2025.

Module 2
Design Principles for Connected Devices

Module 3
Internet Principles
Internet Communications: An Overview - IP - TCP - The IP Protocol Suite (TCP/IP) - UDP - IP Addresses-DNS - Static IP Address Assignment - Dynamic IP Address Assignment - IPv6

Module 4
Working with RPI using Python and Sensing Data using Python
Introduction, Python vs. Other Languages, Applications of Python-Understanding Python, Interpreted Languages-Variables, Keywords, Operators and Operands - Data Types in Python, Importing Libraries: Flow Control, Conditional Statements, Loops-Sensors, Interfacing: Temperature and Humidity Sensor (DTH), Motion Sensor (PIR), Obstacle detection using Ultrasonic sensor, etc. Communicating using RPI - GMS interfacing, accessing on-board Wi-Fi - Connecting Database with SQL

Module 5
Thinking About Prototyping
Switching Familiarity-Costs versus Ease of Prototyping: Prototypes and Production-Changing Embedded Platform-Physical Prototypes and Mass Personalization

Module 6
Prototyping Embedded Services

Module 7
Prototyping the Physical Design

Module 8
Prototyping Online Components

Module 9
Techniques for Writing Embedded Code
205
Memory Management Inside of Memory - Making the Most of Your RAM - Performance and Battery Life - Libraries - Debugging

Total hours - 51

Centre of Excellence for Networking and Cybersecurity

About
The vision of the CoE for Cybersecurity and Networking is to accelerate innovation, entrepreneurship, capability building in cybersecurity and privacy domain for students, in a commitment towards creating a safe, secure and trusted cyberspace.

Centre of Excellence for Cybersecurity and Networking supported by Zacco Cyber Security Research Labs, Coimbatore where industry certified course and skill training in cybersecurity domain for students. It is established in the year of 2019. AIC RAISE has supported by Cisco Systems, Inc., to become a Cisco Networking Academy.

Objectives
- To carry out certified training in the areas of Networking, Cyber Security, and Digital Forensics and related areas for students.
- To build industry capable talent, start-up community and entrepreneurial ecosystem in Cyber security domain.
- Conduct Cyber drills for students and train students and faculties to deal with cyber-attacks.
- To provide an ecosystem for innovation to thrive and embrace entrepreneurship.
- To energize research mind-set and reduce costs in research and development by providing neutral and interoperable, multi-technology stack laboratory facilities.
- To provide environment for product creation, testing and also for validation & incubation.

Benefits of Centre of Excellence
- Availability of technology lab for faculty and students.
- Industry standard proficiency courses for upgradation skills.
- Creating internships on Networking and cyber security domain.
- Access to Industry experts/ courses / showcase of talent.

Course under Cisco Networking Academy:
Name of Courses
- Cisco Certified Network Associate (CCNA)
- Cyber Security Essentials
- Cyber Operational Associate
- Linux Essentials

Course under Centre of Excellence on Cybersecurity and Networking
Course Name: CCNA: Introduction to Networks
Course Overview: CCNA: Introduction to Networks covers the architecture, structure, functions and components of the Internet and other computer networks. Students achieve a basic understanding of how networks operate and how to build simple local area networks (LAN), perform basic configurations for routers and switches, and implement Internet Protocol (IP).

"Cyber-Security is much more than a matter of IT."

Supported by Zacco
Course Name: Cyber Operational Associate

About
A single breach can have huge consequences for a company, hurting the bottom line and causing disruption in the daily lives of millions of people. That is why the demand for security professionals continues to grow. Learn and develop an understanding of cybercrime, security principles, technologies, and procedures used to defend networks. Uncovering cybercrime, cyber espionage, and other networking threats are just some of the exciting cyber security jobs spanning across every industry. Learn the skills to join this fast-growing field and take advantage of the opportunities found in security operation centres.

Course Objectives
1. Understand security controls for networks, servers and applications.
2. Implement proper procedures for data confidentiality and availability.
3. Deepen knowledge in how best to detect and respond to security incidents.

Course Benefits
- Deepen knowledge in how best to detect and respond to security incidents.
- Gain job-ready, practical skills in cybersecurity operations.
- Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer.
- Prepare for Cisco Certified CyberOps Associate Certification.

Course Outcomes
1. Analyze and evaluate the cyber security needs of an organization.
2. Determine and analyze software vulnerabilities and security solutions to reduce the risk of exploitation.
3. Measure the performance and troubleshoot cyber security systems.
4. Implement cyber security solutions and use of cyber security, information assurance, and cyber/computer forensics software/tools.

Course Outcomes:
At the end of the course, the student should be able to:
1. Identify the components required to build different types of networks.
2. Trace the flow of information from one node to another node in the network.
3. Perform basic configurations for routers and switches.
4. Implement IP addressing schemes.
5. Build simple LANs.

Total hours - 30
Module 1: Introduction to Cyber Security
Overview of Cyber Security, Internet Governance - Challenges and Constraints, Cyber Threats: Cyber Warfare, Cyber Crime, Cyber Terrorism, Cyber Espionage, need for a Comprehensive Cyber Security Policy, need for a Nodal Authority, Need for an International convention on Cyberspace.

Module 2: Cyber Security Vulnerabilities and Safeguards

Module 3: Securing Web Application, Services and Servers
Introduction, Basic security for HTTP Applications and Services, Basic Security for SOAP Services, Identity Management and Web Services, Authorization Patterns, Security Considerations, Challenges.

Module 4: Intrusion Detection and Prevention

Module 5: Cryptography and Network Security

Total hours - 35

Centre of Excellence for Robotics and Automation

About
Centre of Excellence for Robotics and Automation supported by SPI Equipment Indus Private Limited, Coimbatore established in 2019, where industry certified course and skill training in robotics and Automation domain given for students.
The vision of the CoE is to function on the concept of Industrial environment in the Institute by providing hands on training to the trainers and students in different fields of automation and Robotics. The CoE is to bridge the gap between the Industries and the Institutes and to provide industry ready manpower in manufacturing plants of Automotive Applications, Industrial Automation, Robotics Applications and Engineering.

Objectives
➢ To create innovative applications and domain capability such as Smart City, Smart Health, Smart Manufacturing, Smart Agriculture, etc.
➢ To build industry capable talent, start-up community and entrepreneurial ecosystem for Robotics and automation domain.
➢ To provide an ecosystem for innovation to thrive and embrace entrepreneurship.
➢ To energise research mind-set and reduce costs in research and development by providing neutral and interoperable, multi-technology stack laboratory facilities.
➢ To provide environment for product creation, testing and also for validation & incubation.
➢ To provide solutions to the industrial problems and projects on need basis to enhance Industry-Institute-Interaction.

Benefits of Centre of Excellence on Robotics and Automation
➢ Availability of technology lab for faculty and students.
➢ Industry standard proficiency courses for upgrading skills.
➢ Internships on Robotics projects.
➢ Access to Industry experts’ courses / showcase of talent.

Course under Centre of Excellence on Robotics and Automation
Course Name: CNC Training
Course Objectives:
➢ To understand the concepts G and M codes and manual part programming.
➢ To know the application of various CNC machines.
➢ To impart CNC part programming skills for turning and milling applications.
➢ To give a good exposure of CAM software in order to perform simulation and to generate CL data.

Course Learning Outcomes
➢ Students will be familiar with CNC part programming using G & M codes.
➢ Course would be helpful to understand the basic concepts in NC technology.
➢ This course would make familiar of the use of CAM software.
➢ Students would be able to apply the concepts of CNC parts programming in various industrial applications.
➢ Students would be trained to write and execute NC program on CNC production machines for different jobs.
Module 1

**Topics to Be Covered**

1. Manual CNC Part Programming – Cnc Lathe:

2. Manual CNC Part Programming – Cnc Milling:

3. Computer Aided Part Programming – Stl File Generation:
   STL Data Generation by Using CAM Software - Post Process Generation for Different Control System.

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**Bio-Innovation-Hub**

(Bio-I-Hub)

**About**

Bio-I-Hub centre of excellence for biotechnology was established in 2020. AIC RAISE is a platform for innovation for students. It is one of the best outstanding labs that is dedicated towards understanding biological systems, living organisms or parts of this to develop or create different products. Bio-I-Hub is a facility rich in evidenced-based practices prides itself on mentoring undergraduates students.

**Objectives**

- To carry out industry certified value-added course for biotechnology and bio-medical students.
- To build industry capable talent, start-up community and entrepreneurial ecosystem.
- Conduct project-based training for students and faculties to build a vibrant community solve real industry specific problems.
- To provide an ecosystem for innovation to thrive and embrace entrepreneurship.
- To energise research mind-set and reduce costs in research and development by providing neutral and interoperable, multi-technology stack laboratory facilities.
- To provide environment for product creation, testing and also for validation & incubation.

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**Benefits of Centre of Excellence on Bio-I-Hub**

- Availability of technology lab for faculty and students.
- Industry standard proficiency courses for upgrading skills.
- Creating Internships on this domain.
- Access to Industry experts’ courses /

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**Event under Bio-I-Hub**

**Event Name:**

The purpose of AIC RAISE is to expose students to the experience and challenges of establishing a biomedicine start-up. As part of the hackathon, we will bring together students from diverse academic backgrounds to find solutions for medical challenges while implementing engineering approaches. The students will develop the projects while accompanied by mentors, consultants, and entrepreneurs from the medical device field with diverse experience in technology, product and business development, regulation, marketing, and investment. The hackathon is organised by AIC RAISE, which held on 26 March 2021.

**Rounds:**

Round 1: Abstract submission
Round 2: Mentoring session by Industrial person and Academicians
Round 3: Final Shootout

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**Supported by**
List of ideas presented in Hack:

- CAB2: A step towards Biodiversity data enrichment
- Beacon prototype implementation of electronic health data
- Automating and interconnecting the ELIXIR Software Management Plan
- Integration of visualization tools for disease mechanisms and their annotations
- Development of training modules for Gallantries
- Facilitating life science metadata curation through Bioschemas Validators
- Single Cell Multi-Omics Analysis
- Mapping GA4GH Phenopackets and OHDSI OMOP for COVID-19 disease epidemics and analytics

Achievements

Activity Under Bio-I-Hub:

“AIC RAISE supporting CDRI Fellowship proposal titled “Decision Support Tool for climate Risk Management in Manufacturing Industries”

The AIC RAISE will act as parent institution will provide all necessary support to the candidates for conducting the proposed research. Dr.K.K.Aruna, RTC/Associate Professor in physics will be mentor for this project will provide supervisor support to the candidates. The CIDR will disburse a total grand amount, US$10000 in two installments.

The purpose of AIC RAISE is to expose students to the experience and challenges of establishing a biomedical start-up. As part of the hackathon, we will bring together students from diverse academic backgrounds to find solutions for medical challenges while implementing engineering approaches. The students will develop the projects while accompanied by mentors, consultants, and entrepreneurs from the medical device field with diverse experience in technology, product and business development, regulation, marketing, and investment.

The hackathon is organised by AIC RAISE, which held on 26 March 2021.
Congratulations
R. Raman & R. Lakshmanan
Participants in the Startup Competition
Winner of the Entreprenurship Award

Congratulations!!!
Ashwathy Venugopalan
Co-Founder, Avasarshala

Congratulations
Solvio Labs
Selected for the ENERGIA VENTURES ACCELERATION PROGRAM

Congratulations
TBN
Winner of the TEAM BACKYARD CREATORS

AIC RAISE team had an official meet with the Ambassador Consulate General of the Kingdom of Belgium, His Excellency Mr. Pierre-Emmanuel Brusselems, Indian-Belgian Startup Ecosystem!!!
Now, 3D-printed face shields

The design for manufacturing the shield can be openly sourced, free of cost

SHADA JEEVAR

It was the morning of the Jenuka Darbha. Thin figures, shrouded in shadow, entered the darkened rooms of India under the Valmiki-1 dancers. From the shadows, the dancers emerged, their movements graceful. The dancers were watching the news on the television, unsure of what to do. Suddenly, one of the dancers spoke up and wanted to do something to help. Energetic Singh, a team member, said, "Let's print a mask to help in India," said Singh.

Over the next few hours, the team worked on the design and printed face shields. Thin figures, shrouded in shadow, entered the darkened rooms of India under the Valmiki-1 dancers. From the shadows, the dancers emerged, their movements graceful. The dancers were watching the news on the television, unsure of what to do. Suddenly, one of the dancers spoke up and wanted to do something to help. Energetic Singh, a team member, said, "Let's print a mask to help in India," said Singh.

"The team had previously worked on a project that involved 3D printing. We decided to leverage that experience to create face shields. We wanted to make it open-sourced, free of cost," said Singh.

The initial design was made using Inkscape, an open-source vector graphics editor. The team then used Fusion 360, a 3D modeling software, to refine the design. The team also worked on creating an assembly guide to make it easy for others to print the shields.

The team estimated that they could produce around 5000 face shields per day. They are planning to scale up production further to meet the demand.

"We are happy to see that our efforts are being recognized. We hope to continue working towards making a positive impact," said Singh.

The face shields are made with a 3D printer and are made of PLA (polylactic acid) plastic. They are lightweight and comfortable to wear. The team is planning to create other medical-grade face shields as well.

The team’s efforts have been recognized by the Indian government, and they have received funding from the Department of Science and Technology to scale up production.

"We are grateful for the support we have received so far. We are committed to continue working towards making a positive impact," said Singh.
EVENTS

ANNUAL REPORT 2021
ATAL INCUBATION CENTRE RAISE

GAZAL RAINA FROM MOTO COMPANY, MAYURA B. HARINARAYANA N MANIPAL FOUNDATION, TAHAMALIK JOINED OUR IMPACT INNOVATION THROUGH CSR FUNDS SESSION ON 7TH SEP 2022

VOICE OF TAMIL STARTUPS A PLATFORM FROM BUSINESS WARRIORS WITH INCUBATION PARTNER AIC RAISE

STARTUP GROWTH NETWORKING MEETUP IN COIMBATORE A STARTUP SUMMIT FOCUSED ON LEARNING FROM STARTUP GROWTH STORIES FROM 20+ CITIES IN INDIA
CITIZEN INNOVATION LAB

DIALOGUE SERIES – ‘EMERGING TRENDS & ENTREPRENEURIAL OPPORTUNITIES IN CIVIC-LEGAL-PROPERTY RIGHTS TECH IN INDIA – IN POST PANDEMIC’

28th & 3:30PM to 4:30PM

ADIF IN ASSOCIATION WITH AIC RAISE IS CONDUCTED AN OPEN HOUSE SESSION
10TH AUGUST & 3PM

“AWARENESS ON INTELLECTUAL PROPERTY RIGHTS” BY DINESH MANICKAM, INCUBATION MANAGER AT AIC RAISE IN ASSOCIATION WITH SPIC NAGAR HIGHER SECONDARY SCHOOL
27 MAR & 2 PM

DESCOLAB AND GIZ PROUDLY ORGANIZED “STARTUP BUSINESS IDEA COMPETITION”. THIS COMPETITION IS AN EXCELLENT OPPORTUNITY FOR STUDENTS, INNOVATORS, EARLY STARTUPS, AND MSME TO SHOWCASE, GROOM THEIR BUSINESS IDEAS, AND WIN EXCITING PRIZES.
23 MARCH & 4:00 PM

AIC RAISE HAS BEEN FEATURED IN STARTUTPN. STARTUTPN IS AN AGENCY OF THE GOVERNMENT OF TAMIL NADU, NURTURING A BENEVOLENT ENTREPRENEURIAL ECOSYSTEM IN THE STATE.
5TH OCT

WORKSHOP FOR COHORT 2.0 INCUBATED STARTUPS ON “BRANDING & COMMUNICATIONS” BY TUSHITA MUKHERJEE
6TH JAN 2021 & 3 PM
Our CEO Dr. Madhan A Sendhil had a warm discussion with Mr. Sivajah Ramanathan, Founder and CEO of NativeLead, on enhancing the startup ecosystem.

AIC RoiSe is jointly organized a SAAS series with Microsoft: The special segment of “CTO Talks” hosted by Vinayak Hegde, CTO in residence Microsoft for startups. Our guest co-founder of DataWeave, Vikranth Ramanolla, joined the session.

Global aeromodelling championship is a unique opportunity to connect the youth and lay the foundation for quality aero education. The event focused on technologies related to aviation and aerospace.

Customer validation - understand & validate your customer.

Call for startup: An event invited aspiring entrepreneurs, innovators to pitch their idea.

TensorFlow everywhere Tamil conducted session on “Getting started with reinforcement learning”
CITIZEN INNOVATION LAB DIALOGUE SERIES - EMERGING TRENDS & ENTREPRENEURIAL OPPORTUNITIES IN CIVIC-LEGAL-PROPERTY RIGHTS TECH IN INDIA - IN POST PANDEMIC ERA

13 AUGUST & 3:30PM

COHORT 2.0 - SESSION ON "HOW TO START YOUR CROWD FUNDING CAMPAIGN" BY NAVEEN KRISHNAMURTHY - CHIEF TECHNOLOGY OFFICER AT LADDER MINDS

05 MAR & 3 PM

CITIZEN INNOVATION LAB DIALOGUE SERIES - EMERGING TRENDS & ENTREPRENEURIAL OPPORTUNITIES IN CIVIC-LEGAL-PROPERTY RIGHTS TECH IN INDIA - IN POST PANDEMIC ERA

18TH AUGUST & 4:30 PM

STARTIN IS AN EVENT INVITED STARTUPS TO PITCH THEIR INNOVATIVE IDEAS AT AIC RAISE.

10TH AUGUST & 3PM

05 MAR & 3 PM

CITIZEN INNOVATION LAB DIALOGUE SERIES - "EMERGING SOLUTIONS & EVOLVING MARKETS IN CIVIC-TECH"

24 AUGUST & 4:00 PM

COSMICONE STARTUP ONE OF OUR INCUBATEES, PARTICIPATED IN THE FINALE PITCH COMPETITION ORGANIZED BY TIE. VAISHNAV'S STARTUP IS BUILDING A CHILD FRIENDLY VIDEO PLATFORM THAT ENABLES HYBRID LEARNING.

26 AUGUST 2021 & 6 PM
Tamilnadu Development Conference on Startup Opportunity Creation in TNSCC Event

11th December

Citizen Innovation Lab Dialogue Series—Reinventing the Property Rights Space in the Post-Pandemic Era

31 August & 4:00 PM

Tamil Nadu Start-up Growth Conclave—Built a Bridge to the Future for All the Galloping Unicorns by Bringing Together the Ones Who Really Care about the Future of Mankind and the Ones Who Have the Ability to Create It

11th & 12th December

Freedom @ 75 Idea Accelerator, A Cohort to Encourage the Entrepreneurs with Disabilities

9th August & 4 PM

Innovators Ideathon 2021, a Competition for the Teams of Undergraduate and Postgraduate Students

31st March

Importance of Legal & IPR for Startups—Webinar Explained the Key Issues Faced by Startups within the First 0-2 Years from Incorporation Including Entity Structuring

1st Sep & 4 PM
A WEBINAR TO TELL ENTREPRENEURS WHY AND HOW THEY CAN STARTUP IN FINLAND PRESENTING THE INDIA-FINLAND STARTUP HUB, A UNIQUE COLLABORATION BETWEEN BUSINESS FINLAND AND HEADSTART NETWORK FOUNDATION WHICH AIMS TO BRIDGE INDIAN AND FINNISH STARTUP ECOSYSTEMS

10 APRIL & 2 PM

STARTUPS, INCUBATORS, STARTUP COMMUNITY, TECH-GIANTS OF COIMBATORE JOINED THE RAISE UP COVAI EVENT FOR A HEALTHY PANEL DISCUSSION.

10 SEPTEMBER & 1 PM

STARTUP 2.0 AN INITIATIVE TO HELP ASPIRING ENTREPRENEURS. THE EVENT IS HELD THROUGH THREE DAYS WHERE 14 SPEAKERS ESTABLISH THEIR VIEWS ABOUT ENTREPRENEURSHIP AND SHARE THEIR VALUABLE EXPERIENCE.

8 MARCH & 9 AM

AIC RAISE AND HEADSTART NETWORK FOUNDATION IS JOINED HANDS WITH INDIA-FINLAND START-UP HUB AND IIT MANDI CATALYST TO EMPOWER AND ENRICH THE START-UPS THAT ARE INTO SDG WITH OUR COHORT CALLED "INNOHIVE"
WORKSHOP ON "MASTERING SALES & GROWTH" BY MR. MOGEN NAIDOO.

MR. MOGEN NAIDOO IS AN ENTREPRENEUR IN THE TECH INDUSTRY. HE IS A PROMINENT FIGURE IN IT MEDIA WHERE HE IS FEATURED IN TOP IT PUBLICATIONS, BUSINESS TV, AND RADIO SHOWS.

A SESSION ON LEAN MODEL CANVAS - ANALYSE YOUR PROBLEM - SOLUTION FIT BY MR. KAUSTUBH DHARGALKAR PH.D. A PASSIONATE ENTREPRENEUR, EDUCATOR, MENTOR AND DESIGN THINKING TRAINER, FOUNDER OF POTENTIALS AND POSSIBILITIES.

ARE YOU READY TO TURN DREAM STARTUP IDEA INTO REALITY.

JOIN ARISE PRE-INCUBATION PROGRAM
A PROGRAM FOR ENTREPRENEURS WITH INNOVATIVE IDEAS AND WANT TO CREATE THEIR OWN STARTUPS.

STUDENT START-UP PROGRAM: A STARTUP PROGRAM THAT TURN THE ENTREPRENEURS DREAM STARTUP IDEA INTO REALITY.

THE STARTUP ODYSSEY - ADVENTUROUS JOURNEY TOWARDS YOUR PASSION: A TRAINING PROGRAM FOR ASPIRING ENTREPRENEURS AND EARLY-STAGE STARTUPS TO BUILD IMPACTING GLOBAL VENTURES.

COHORT 2.0 - SESSION ON "TEAM BUILDING" BY SABELA ENUN - DIRECTOR/ CO-FOUNDER AT DACASTALIA LIMITED. SHE IS A TECH ENTREPRENEUR AND A WOMAN. A COMBINATION THAT OUR SOCIETY DOES NOT SEE OFTEN. SHE LOOKS AFTER THE COMMUNICATION, BUSINESS DEVELOPMENT, AND PEOPLE TEAM AT DACASTALIA.
STARTUP INCUBATION PROGRAM FOR ELDERLY CARE: AN INCUBATION PROGRAM FOR STARTUPS THAT SUPPORT THE SENIOR CITIZENS

MENTORING SESSION WITH EXPERTS/MENTORS

MENTORING SESSION WITH
Mr. ABHINAV SINGH RAWAT and
Mr. ANIL SINGH

FREEDOM@75 IDEA ACCELERATOR FOR PERSONS WITH DISABILITIES

Cohort 2.0 - Workshop on "Pitch Training" by Mr. Vaibhav Carg, an Area Talent & Culture Manager for Accor in the Maldives and the Director of Talent & Culture at Movenpick Resort Kuredhivaru Maldives.

STARTUP SEPTEMBER IS A MONTH-LONG CELEBRATION OF THE STARTUP ECOSYSTEM AND VARIOUS STARTUPS, INVESTORS, CORPORATES, GOVTS, INCUBATORS & ACCELERATORS, AND OTHER COMMUNITIES, JOINED THE EVENT TO EXCHANGE LEARNING AND NETWORK.

HONORABLE MINISTER OF ENERGY AND PROHIBITION AND EXCISE THIRU. SENTHIL BALAJI VISITED AIC RAISE AFTER INITIATING A SUCCESSFUL JOB FAIR.
SUPERCHARGE YOUR STARTUP WITH

MENTORING  MARKET CONNECT  SEED CAPITAL

TRAININGS & WORKSHOPS  INDUSTRY COLLABORATIONS  PEER SUPPORT & ACCESS TO NETWORKS

NEXT GEN STARTUP WORKSPACE  ACCESS TO IMPACT INVESTMENTS & CSR

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