



Supported By



ATAL INNOVATION MISSION

NITI Aayog

E-Newsletter

★ VOLUME - 04

★ ISSUE: Oct 2020 - Mar 2021



ATAL INCUBATION CENTRE

**JYOTHY INSTITUTE OF
TECHNOLOGY FOUNDATION**

(Supported by Atal Innovation Mission, NITI Aayog, Govt. of India)

Thathaguni, Off Kanakapura Road, Bengaluru – 560 082, Karnataka.



**TAILORED
PLATFORM FOR
EVOLUTIONARY
IDEAS:
AIC-JITF**



<https://www.aicjitf.org>

ON CAMPUS INCUBATION FACILITY



ATAL INCUBATION CENTRE
**JYOTHY INSTITUTE OF
TECHNOLOGY FOUNDATION**

(Supported by Atal Innovation Mission, NITI Aayog, Govt. of India)

Thathaguni, Off Kanakapura Road, Bengaluru – 560 082, Karnataka.

A BRIEF INTO AIC-JITF

Atal Incubation Centre - Jyothy Institute of technology Foundation (AIC-JITF) is an incubation center supported by AIM, NITI-Aayog, Govt of India. It marks a new era in the field of scientific entrepreneurship enabling aspiring individuals, students and faculties to incubate and to build their start-up Ventures.

AIC-JITF is housed in Jyothy Institute of Technology which also has a state of art R & D center - CIIRC.



FOCUSED THRUST AREAS

- Food Technology
- Materials
- Devices and Sensors (IoT)

OBJECTIVES

- Support, nurture, innovate technology based start-ups.
- Guidance on business planning, go-to-market and financial advisory

Key Features:

- AIC-JITF provides 360° support for incubation.
- Facilitates Mentoring Support from renowned scientists and successful entrepreneurs.
- Better networking with Investors.
- Necessary assistance on Seed Funding, Grants and loan facilities for Start-Ups.
- Pre-Incubation support.
- Technology and IP facilitation services.
- Facilitate access to labs, investors, innovators, market access and other resources.



EDITOR'S DESK



Dear Associates and Readers,

Greetings from AIC-JITF..!

AIC-JITF has turned two with many milestones to ponder in the journey. Thanks to Atal Innovation mission and other stakeholders for your continues support. Being a part of a start-up ecosystem our responsibility has increased further during these tough times. AIC-JITF could surpass the challenges thrown by pandemic and stood as reliable platform for innovations.

The Covid-19 crisis would have been much more devastating if there were no technological interventions. Technology and digital solutions played a substantial role in limiting the spread when compared to the previous pandemics of the history. We cannot ignore the efforts of start-ups in realising some of these tech driven solutions. Name the area technology found it's place.

Kudos to entrepreneurs, investors and other stakeholders for joining hands to fight against the crisis. No doubt we will rise again like phoenix with our collective efforts.

Stay safe.

warm regards,

Dr. M G Anantha Prasad

CEO, AIC-JITF

Editorial Team



Mrs. Savitha Prakash

Incubation Manager



Mrs. Rama Jyothi

Incubation Manager - Outreach



Ms. Shravya R.

Incubation Associate



Mr. Nithin Kumar M.

Incubation Associate



Mr. Suresh H. D.

Incubation Associate

Innovations for COVID-19 from AIC-JITF Incubates

1. ZapC Negative ION Generator



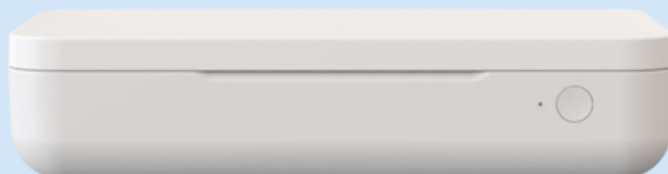
2. Adapro Immunity Booster



3. Sanitizer



4. UV Sanitizer



Innovations for COVID-19 from AIC-JITF Incubates

5. Robot – to serve food and medicines to COVID patients



6. Adishankara Jeeva Vayu Ventilator



7. Oxygen Generator



8. Face Mask – Antimicrobial & Anti-fogging



Entrepreneurship in Residence 2020

AIC-JITF has launched Entrepreneurship program to provide a platform for aspiring entrepreneurs at Jyothy Institute of Technology to nurture their business ideas in campus environment, having access to networks, mentors, and other fellow entrepreneurs.

The Entrepreneur in Residence is an exciting 5-month program that allows Fellows and undergraduate to stay back on Campus during/after graduation, work on their entrepreneurial idea and take it to a fundable business plan stage. Through this process the entrepreneur is supported by the Centre and matched with a mentor.

Apart from this, being an Entrepreneur in Residence gives students and alumni various perks like the privilege with a stipend to work on their own venture. The total program has been designed and conducted in three phases.

Phase - I : Boot Camp

Boot Camp training has been conducted on an online mode. Basics of entrepreneurship have been taught to students by experts from different domains. All the enrolled students were allowed to attend Boot Camp training for 15 days after which they have showcased their ideas to the selection panel.

The best potential ideas have been shortlisted for Pre-Incubation program. At the End of the Boot Camp, 8 Student Teams have been shortlisted for Pre-Incubation Training.

Phase -2: Pre Incubation Training Program

During the Pre-Incubation program, the students will be put through a more intensive and focused inputs along with mentoring support. At the end of Pre-incubation program, 5 student start up teams will be shortlisted for seed funding and actual business incubation.

Stage-3: Incubation Activities

After the completion of pre-incubation program, all the 8 student companies will be offered incubation at AIC-JITF (either virtual or physical).

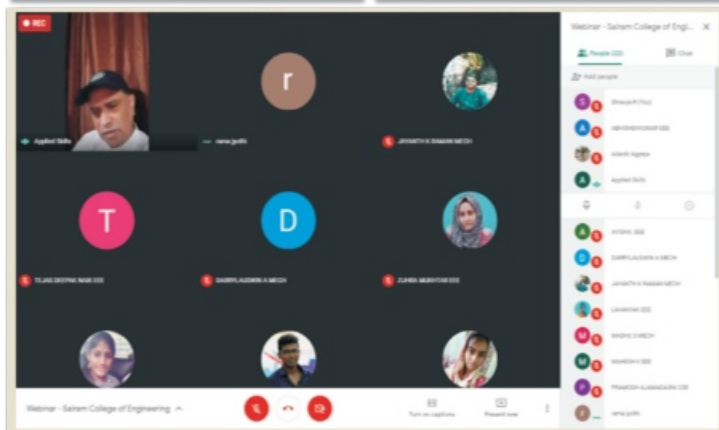
The companies who have been supported with seed funding support will be mentored and monitored for the next few years until they mature for next series of funding (Angel / VC funding). The other 3 companies left out for seed funding will be considered again after a period of 10 months if they have shown further progress.

Outreach Programs at Sairam College of Engineering, Adarsh Institute of Management & Information Technology and Shri Madhwa Vadiraja Institute of Technology & Management

AIC-Jyothy Institute of Technology Foundation has organised webinars on "Sensitizing to the techniques of innovation" by Mr. Bhaskar Dutta Sharma, Mentor AIC-JITF at various academic partnered Institutions.

Takeaways of the sessions were:

- ✓ Awareness of what is Innovation-types of Innovation
- ✓ Is innovation a part of a change process
- ✓ How Innovation contributes to Entrepreneurial and Business Success
- ✓ Drivers of Innovation



6 week Virtual Training Program on Internet of Things

Jyothy Institute of Technology In Association with Centre For Incubation, Innovation, Research and Consultancy & Atal Incubation Centre- Jyothy Institute of Technology Foundation, has organized a virtual TEDP Program on Internet of Things from 12th January 2021, to promote entrepreneurs/startups in IoT domain.

Mr. Ameen Manna and Mr. Nithin C. Naik from ASQR Technologies Private Limited have given hands on training to the participants.

WEBINAR & EVENTS

6 week Virtual Training Program on Food processing Technology

Jyothy Institute of Technology In Association with Centre For Incubation, Innovation, Research and Consultancy & Atal Incubation Centre- Jyothy Institute of Technology Foundation, has organized a virtual TEDP Program on Food Technology from 19th January 2021 to promote entrepreneurs / startups in Food processing sector with the intention to convert "job-seekers" into "job-generators" through Science & Technology (S&T) interventions. Resource persons across country have taken the sessions on various topics. Last week of the training program has been earmarked for Entrepreneurial concepts.

iDEX Outreach Program

AIM in collaboration with Ministry of Defence (MoD)'s iDEX (Innovations for Defence Excellence) has launched DISC IV (Defence India Start Up Challenge IV), 11 specific challenges for startups from the Indian Army, Navy, Airforce, and DPSUs. As a part of this flagship program an outreach program has been organized at AIC-Jyothy Institute of Technology Foundation on 09 November 2020.



The banner for the Defence India Startup Challenge 4 Virtual Roadshow features the iDEX logo, the AIC-Jyothy Institute of Technology Foundation logo, and a photograph of a military aircraft. The text includes the event title, date (9th November 2020), time (3 PM to 4 PM), and contact information.

iDEX Innovations for Defence Excellence

Defence India Startup Challenge 4

Virtual Roadshow

@ AIC - JYOTHY INSTITUTE OF TECHNOLOGY FOUNDATION

Date : 9th November 2020

Time : From 3 PM to 4 PM

India_iDEX | www.idex.gov.in | Last Date 30 Nov

The objective of the event is to create awareness about the DISC 4 challenge and the Open challenge floated by iDEX. The event aimed to comprehend the AIC/EIC network to encourage more and more local startups/innovators to participate in the Defence challenges by exploring if their use case for civilian application could be tailored for Defence applications.

Lemon Ideas - Innopreneurs Startup Contest - 6th Edition

AIC-JITF has signed MoU with Lemon ideas to become ecosystem partner for 6th edition of their popular yearly startup contest - Innopreneurs. INNOPRENEURS is an established name in the startup community in India and is focused on providing a stage to Innovators, Change Makers, be it startups, non-profits, or anyone who are building solutions (tech or non-tech) to solve some real problems.

Major highlights of this online edition are:

- Presentations by 350+ Startups | 35+ rounds | 8 Countries | More than 200 partners | 1000+ registrations
- 5000+ Entrepreneurs / Aspiring Entrepreneurs audience | 5 Lac + reach out.
- Special tracks on COVID 19 and Self Reliant India.
- Well-crafted training boot camp during the contest.
- Funding investment opportunity during the final rounds for partners.



Presents

STARTUP ECOSYSTEM CONFERENCE

NETWORK | CONNECT | COLLABORATE

Exclusively for
Innopreneurs partners' network

150+
Partner Organizations

INDIA +5
Countries

Let's strengthen the
startup ecosystem collaboratively.

In partnership with

An initiative under



04:00 PM TO 06:00 PM
FRIDAY, FEB 26, 2021

Speakers

Mr. Dipan Sahu
Asst. Innovation Director
Ministry of Education's
Innovation Cell, & AICTE

Mr. Shankar Kumar
Advisor
GIZ

Keynote Speaker

Mr. Deepak Bagla
MD & CEO - Invest India

INVITE ONLY

www.lemonideas.in | www.innopreneurs.in | www.lemon-school.com

This initiative has been supported by the following organizations as the lead partner.

- GIZ (An Organization by German Federal Government)
- Portescap (USA based leading organization in miniature motors)
- Discover Dollar (Innopreneurs 2015 Edition Winner)

Around 120+ more organizations around India right from SBI Foundation, CIIE by IIM Ahmedabad, iCreate to various fund houses and VCs around India and from various ecosystem organizations in South Asian countries to the embassies of India in the same.

The startup contest this time happened virtually in 42+ locations across the South Asian region, each location hosted 10-15 pitches, of which top startups / teams have been selected for the Grand Finale that will showcase the top 50 Innopreneurs from the south Asian region.

Our Incubatees Ameliorate Biotech Private Limited, E2E Biotech Private Ltd, Praketa Innotech and Fly at Mach have participated in the event.



Arthayan Funding Quest



Arthayan Funding Quest was a fast-paced national virtual pitch event spread across 3 days which saw participation from more than 50 VC Firms and many Angel Investors. Shortlisted startups from various Incubators got a chance to pitch to multiple investors on a one-on-one basis during this event between 1st and 3rd March 2021.

The Indian startup ecosystem is continuously growing with more than 3,200 startups raising \$63 Bn in funding in the last five and half years alone. Still, they feel there's a tremendous amount of potential yet to be explored and synergies to be formed.

The aim of this event was to connect innovative startups to investors who'll help them scale up by providing venture capital and industry linkages.

All the Incubation Centres coming together and being connected to the active investor community in India.

"The event had big names like **3one4 Capital, Chiratae Ventures, Bharat Innovation Fund, Blume Ventures, Omnivore** and many more. Nithin Kamath, founder of Zerodha himself attended all the pitches lined up for their initiative Rainmatter that funds and incubates innovative Indian startups. Arthayan team meticulously mapped startups to the VCs as per their investment thesis" said Hitakshi Rathod, Investment Analyst at Arthayan.

Startup founders of AIC-JITF have got the opportunity to participate in the Arthayan Funding Quest. 14+ incubatees participated and presented their case to investors. Many of them were able to convince the investors and hopefully few of them will get positive news shortly.

Workshop on Fluorescence Microscopy and its applications in Biology



A workshop (hands on training) on Fluorescence Microscopy and its applications in Biology was conducted on 23rd March, 2021 for M. Tech. Food Technology students from Jyothy Institute of Technology, Bangalore. There were 9 students who attended the workshop and each one of them had an opportunity to perform the experiments independently. The workshop started with the introductory talk on the instrumentation, principles of the technique, applications, advantages and limitations of the technique.

The talk also emphasized on the use of different fluorescent dyes (fluorophores) to detect the cellular and molecular changes that occur in yeast and mammalian cells as a result of drug treatments.

The talk was followed by a detailed explanation on the experimental design for the hands on training that each student was asked to perform.

Experiments conducted as part of Hands on training:

Three different experiments were performed using different fluorescent dyes.

1. Drug induced apoptosis in fibroblast cells and *Saccharomyces cerevisiae* by dual acridine orange/ethidium bromide (AO/EB) staining
2. DCFDA / H2DCFDA staining to measure cellular ROS activity
3. Effect of cycloheximide treatment in cultured fibroblast cells



How Indian Startups

Backed The Fight Against Covid-19



Smart Surveillance Tools That Helped India Fight The Virus

SOLUTIONS

Surveillance Tools Like Smart Cameras, Goggles



Crowd Management, Movement Detection And Geofencing



Drones For Surveillance, Sanitisation And Delivery

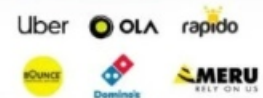


Startups Keep Aside Core Business To Give Back During Pandemic

SOLUTIONS

Providing Simple Solutions To Enable Delivery

STARTUPS



Turning Hotel To Quarantine Centers



Prevention Tools

SOLUTIONS

Disinfection Devices

STARTUPS



Using Technology For Mass Production Of PPE Kits, Masks



From Testing To Monitoring, Indian Startups Take The Lead

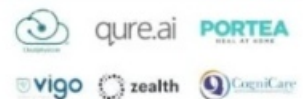
SOLUTIONS

Covid Testing Kits, Centers

STARTUPS



Health Monitoring Solutions



Ventilators, Splitters & Other Respiratory Solutions



Initiatives To Help People Solve Rising Mental Health Issues

SOLUTIONS

Solutions For
Mental Wellness

Covid-19
Helplines

STARTUPS



**Stay Calm
Stay Safe
Stay Home**

2020
in review

How Indian Startups

Backed The Fight Against Covid-19



Industry Leaders, VC Lend Helping Hand To New Solutions

Fund	Founders/Members	Aim
Action Covid-19 Team (ACT)	Lightspeed, Kalaari, SAIF Partners, India Quotient, Sequoia, Matrix, Omidyar Network India, Nexus, Accel, Chiratae, Blume Ventures	The ACT worked with the government and other stakeholders to ramp up the development of innovative ideas which have the potential to tackle major challenges that have come up with the coronavirus outbreak.
COVID-19 SaaSBOOMI Fund	SaaSBOOMI	The group started an initiative to help survive the pandemic. It also started mental wellness counseling for founders and employees.
AngelList's Covid-19 Relief Fund	AngelList Through The Collective	Financial support for startups working on solution for pandemic
Hackathon For Covid Solutions	Wingify's Paras Chopra And Sparsh Gupta	Online hackathon for startups developing solutions for pandemic



**THANK YOU
DOCTORS AND NURSES**

"Start-ups are the engines of exponential growth, manifesting the power of innovation. Several big companies today are start-ups of yesterday"

- Sri. Narendra Modi

Hon'ble Prime Minister of India

To know more about AIC - JITF,
Please visit our website: www.aicjtf.org