



KASC i-HUB



KONGUNADU ARTS AND SCIENCE COLLEGE

(Autonomous)

College of Excellence - UGC,

Re-Accredited by the NAAC with 'A' Grade CGPA 3.64 (3rd Cycle)

COIMBATORE – 641 029 Tamilnadu

(AN IDEA, INNOVATION, INCUBATION CLUB)



KASC i-Hub



Vision:

KASC i-Hub is an Innovation Club strives to support the novel ideas in developing the business plans and models to boost the chances for an **effective start-up creation.**

Mission:

To promote an ecosystem for innovation and establishing start-ups by mentoring.

Objectives:

- To support the student entrepreneurs in establishing start-ups and providing guidance in marketing.
- To promote the intellectual ideas and techniques of individuals.
- To provide infrastructure and necessary facilities for the processing and packing of products.
- Sharing of ideas and knowledge among industrialists, academicians and students from various institutes.
- Knowledge generation, mentoring and nurturing entrepreneurship for the passionate students.
- To serve as a location for the industrial collaborators to encourage their new product development in the campus using the in-house facilities.

Thrust Area



- 1. Vermiculture technology**
- 2. Microbial Composting**
- 3. Ornamental fish breeding**
- 4. Apiculture**
- 5. Bonsai making**
- 6. Edible mushroom production**
- 7. Spawn biofabrication, Functional foods from millets**
- 8. Novel biofertilizers and Biopesticides production**
- 9. Plant tissue culture**
- 10. Single cell protein production, Spirulina production**
- 11. Value Added Products**
- 12. Electric Bicycle**
- 13. Photo and Video Production**
- 14. Costume Design and Fashion-Classy Missy Designer unit**

Activities of KASC i-Hub

- KASC i-Hub organized workshop on “Entrepreneurial skill development” on 09th October, 2018
- KASC i-Hub organized programme on “Water Purification System” on 01.11.2018
- KASC i-Hub organized “DST SPONSORED ENTREPRENEURSHIP AWARENESS CAMP” from 5th to 7th Dec 2018
- KASC i-Hub organized International Research Networking programme on “BIOMARKERS FOR CANCER DIAGNOSTICS” on 28.01.2019
- KASC i-Hub organized ISCA sponsored “Career Guidance Programme” for Life Science Students on 17-02-19
- KASC i-Hub organized “Research Networking Programme on “Nanobioformulations in Siddha Medicine” on 27.02.2019
- KASC i-Hub sponsored “புவியழுதம் 2019” by providing cash prize for the model presentation related to solving the water problems.
- KASC i-Hub organized ISCA SPONSORED ONE DAY EXTENSION TRAINING PROGRAMME ON “BONSAI TECHNIQUES” on 3rd March, 2019
- KASC i-hub organized ISCA SPONSORED One day State level workshop on “ALGAL BIOTECHNOLOGY TECHNIQUES AND PROSPECTS FOR THE SUSTAINABLE BIOECONOMY”.

KASC i-Hub



**Kongunadu Arts and
Science College
i- Hub - inaugurated
on 24.09.2018**



Chief guests

Mr. Senthil Natarajan,
MD

Kovai Pazhamudir group

Mr. Padmanaban Gopalan,
Founder

No food waste and Edudharma



Classy Missy' a Designer Unit



START UPS

MUSHROOM PRODUCTION UNIT



SPAWN PRODUCTION AND MINOR MILLETS PRODUCTION UNIT



Value added products production unit



Apiculture unit



Bonsai Techniques



Electric bicycle



Aquaculture Unit



Vermicomposting Production Unit



SPIRULINA CULTIVATION



**BIOFERTILIZER AND
BIOPESTICIDE
PRODUCTION UNIT**



**MICROBIAL
COMPOSTING
UNIT**

HARDENING UNIT



PHOTO AND VIDEO PRODUCTION UNIT



Coimbatore teen Writing fest'18
Supported by
Kongunadu Arts and Science College
Department of I-HUB



Major focus of IIC:

- To create a vibrant local innovation ecosystem.
- Start-up supporting Mechanism in HEIs.
- Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework.
- Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas.
- Develop better Cognitive Ability for Technology Students.

Functions of IICs:

- To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bound fashion.
- Identify and reward innovations and share success stories.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Network with peers and national entrepreneurship development organizations.
- Create an Institution's Innovation portal to highlight innovative projects carried out by institution's faculty and students.
- Organize Hackathons, idea competition, mini-challenges etc. with the involvement of industries.

IIC Club

Dr.P.Sujatha, President

Dr.V.Bhuaneshwari, Convenor

Mr.T. Kumar, Member

KONGUNADU ARTS AND SCIENCE COLLEGE
HAS ESTABLISHED
Ministry of HRD's Institution Innovation Council
On
21st November 2018



IIC - Activities

- ✓ Institution Innovation Cell Activities India First Leadership Talk Series Planning for Career, Future Industry Trends and Startup Second Episode of **“India First Leadership Talk Series”** on 24th January 2019
- ✓ On 19.03.2019. Shri Ajit Doval, National security Advisor Talked on the topic **“Art of Decision Making”**.
- ✓ Three students participated in **Idea Contest**
- ✓ Two students participated in **Proof-of-Concept**
- ✓ Two students received mentorship from Forge through IIC and got provisionally selected and waiting for final results
- ✓ Priyadharshan- Physics (Electric Bicycle)
- ✓ Tharanganipriya - Biotechnology (Antimicrobial cellulosic Diaper)

IIC Achievements

- MHRD has Established 950+ Institution's Innovation Councils (IICs) in HEIs on **ON 21st November 2018. Our college is one among them.** Tamilnadu has maximum number of IICs -179. Out of 1641+ Proof-of-concept applied nationally in 2019, our college stands first in Tamil Nadu and eighth rank in National level.
- After several stages of selection and mentoring by MIC, a prototype of Electric bicycle- an innovation by our college student G. Priyadarshan, III B.Sc. Physics under the guidance Dr. V. Bhuvaneshwari, MHRD's IIC coordinator has been selected and attended National Level Bootcamp and Exhibition held in New Delhi from 9th September to 11th September 2019 as part of MIC.
- Among the colleges selected, Kongunadu Arts and Science College is the one and only Arts and Science College sharing the platform with renowned research institutions like IITs.
- For this achievement, College Secretary mam Dr. C. A. Vasuki has provided Rs. 15,000/- seed money and incubated in KASC i-hub.

Kongunadu College



The Only Arts & Science College selected for MHRD's National Exhibition For Invention of Self-charging Electric bike

Dr.C.A.Vasuki, our Secretary and Director spotted me and my vehicle. She asked about me and my invention and identifying that my idea could greatly serve the nation's necessity; through KASC i-HUB, she provided the infrastructural, intellectual and financial supports.



David Karunakaran
The Govai Mail

While it remains a challenge for the world to bring down their automobiles' carbon emissions, C Priyadarshan, a final year B.E Physics student at Kongunadu Arts and Science College, C Vinodhavan has invented a self-charging electric bike that gives swift acceleration, efficient mileage, flexible configurations, options as a very affordable even for the all Indians to buy henceforth.

He has been able to do this with the support of the college's i-HUB (Innovation Hub). His invention has managed to get the college selected for MHRD's National Exhibition of Invention, which is to be held at the Directorate of National Exhibition at New Delhi from 6th to 8th September 2019.

His project has managed with KASC i-HUB to get the college's best and brightest students, including eminent Engineering Institute, which have registered with KASC. KASC has shared the platform with other students institutions like IIT B. It may be said that KASC is the only Arts and Science College in the district.

The Govai Mail met with Priyadarshan to know more about his invention, which is

an innovative idea. He said, "I began my experiment with the system, battery and electric components. I was in my 10th grade. I was in anticipation and interest."

In my 11th grade, I made a bike to school. It was working fine and I tried to improve it. I wanted to take it to the next level but was not identified any innovation as I suggested or guided. However, I was not able to outstep it to higher planes.

My wish to make this project attain its full potential remained a wish till I joined Kongunadu Arts and Science College. I read my science books to consume to College and on one fine day, Dr.C.A.Vasuki, my Secretary and Director spotted me and my invention and identifying that my idea could greatly serve the nation's necessity through KASC i-HUB, she provided the infrastructural, intellectual and financial supports with which, I have been able to make this invention take the top position over all the Arts and Science Colleges across India whose concepts were submitted to the MHRD.

Talking about the bike, he said, "Electric bike is an interesting concept but the speed that standard a bike offers is less low. The time and electricity that currently available models take are high."

But one of the biggest benefits could come from it that they can cut the carbon emissions, and reduce the greenhouse effect. I thought about the way to make a bike that is lighter to the weight of battery, with the speed and maintain a dependable vehicle.

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The college would render maximum help to Priyadarshan in his endeavor. He & Dr.Bhuvaneshwari will be deputed to attend the BOOT camp and the entire travel expenses will be met by the Management.



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**“WATER PURIFICATION SYSTEM” on
01.11.2018**

DST SPONSORED ENTREPRENEURSHIP AWARENESS CAMP from 5th to 7th Dec 2018



- Honouring the Chief Guest Mr. J. Vanangamudi, JD Associates and JD Academy



**Research Networking programme on
“BIOMARKERS FOR CANCER DIAGNOSTICS”
28.01.2019**



**Research Networking programme on
“Nanobioformulations in Siddha
Medicine”
on 27.02.2019**

**Prof Guna Magesan, former VC of
Institute of Advanced Research,
Director, Manushya Blossom Private Limited
says research on nano medicine picking
up Nano Siddha medicine, new
innovation**



“BIRD MAN “ Mr. S.BALPANDIYAN



KOUSIKA RIVER RESCUER Mr. P.K SELVARAJ



World Water Day and Forest Day Awareness Program Entitled “புவியழுதம் 2019”
sponsored by KASC i-Hub and Aruchami Research Foundation, KASC



Mr. SIVARAJAN from CHINNAVEDAMPATTY LAKE TE





Medicinal Plants Exhibition

Medicinal Plants Exhibition



Entrepreneurship Programme

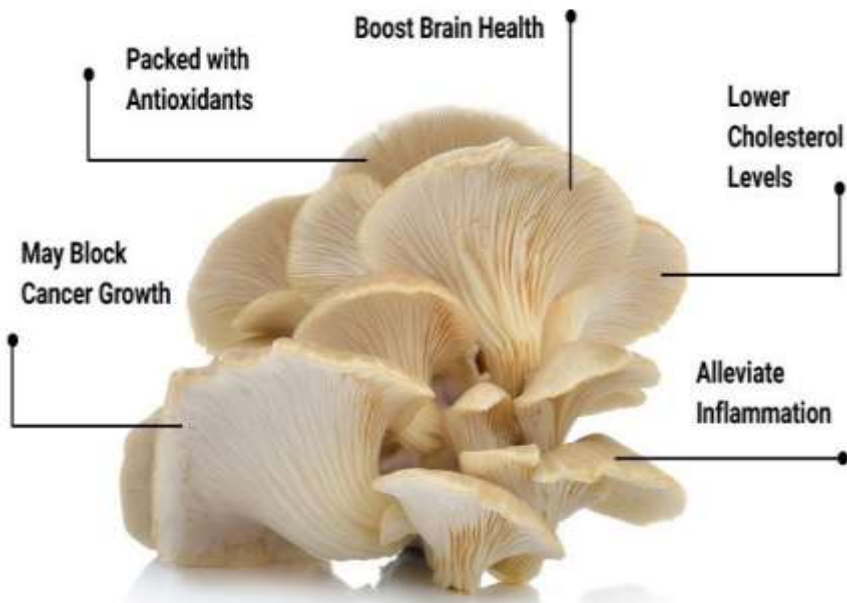


KASC i-Hub



ONE DAY WORKSHOP ON “MUSHROOM CULTIVATION AND SPAWN PRODUCTION”

on
6th September, 2018





KASC i-Hub



FUTURE PLAN

To Commercialize Our Research Through Filing Patent

Students will be motivated to participate in
Idea contest, Proof of concept contest in MHRD's IIC

Motivation towards research and extension
activities through Lab to Land

Students will be motivated to initiate startups

Technology Transfer to Industries