



Milky-white Mushrooms - 6-8 beds to yield 3KG

APRIL – JUNE 2019

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**Innovation Challenge:** Smart solutions are the need of the day

PG. 4

**Start-Up Corner:** Start-ups that made a difference through their innovation and impact.

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**Impact Stories:** Milky-white Mushrooms, 6-8 beds of mushroom to obtain 3KG of mushroom was done by students.



@ TECH, Tadipatri

## INNOVATION CHALLENGE Jun 18<sup>th</sup>

Smart solutions are the need of the day. While there is a lot of focus on creating smart software solutions, smart hardware is making improvements but there is a gap. Kuppam Engineering college students decided to narrow this gap and came up with a very innovative way to detect live wires in deep forests. Human-Animal conflict is an old one and to tackle this we need smart solutions. AIC-SKU Team led by Mr. Satish Kumar in collaboration with Soumen Dey and Tapan Das from WWF have been actively involved in promoting innovative solutions to address various problems faced in the forests.

### The Problem Statements

- Forest Patrol staff falling prey to live wires
- Livestock depredation by wild animals

The Solution: KEC students worked closely with AIC-SKU and created an innovative device that helps detect live wires in the forests. This has helped and will continue to help and safeguard the lives of forest patrol staff.

**Outcome:** Kuppam Engineering College (KEC) is now working closely with WWF and AIC-SKU to bring out a robust product that can be taken to market. The current product has been field tested successfully. A few devices have been sold to WWF and KEC has booked a few more orders.



## MIC OUTREACH PROGRAM 29<sup>th</sup> May

### Fostering the culture of Innovation

The MIC is a program specific to the Tadpatri Engineering College (TECH) located in Tadpatri. The program's objective is to focus create awareness amongst the engineering student community and foster the culture of innovation and entrepreneurship. The program was led by Dr. M. S. Shivakiran, Manager, AIC-SKU who had a day long interaction and awareness session with the students of TECH. Some major points on innovation and entrepreneurship such as – need for research on different industries, understand various technologies and their role in re-defining industry segments, foster innovation using technologies etc.

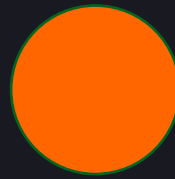
Dr Shiva Kiran also briefed the students on the various services provided by AIC-SKU and the constant support the incubation centre will extend to help translate their ideas into products and services. 215 students participated in the program.

**Outcome:** A great level of enthusiasm has been observed among the engineering student community via the outreach program. More and more students are looking at innovation and entrepreneurship as options going forward.



## FACULTY EMPOWERMENT PROGRAM May

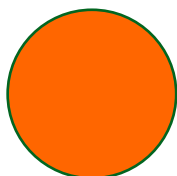
The second quarter saw an extended and more detailed Faculty Development Program conducted across two major colleges. The first was at PVKKIT, Anantapur where 35 faculty members representing different fields attended the program. They were briefed on the importance of entrepreneurship and the need to create a sustainable start-up culture in colleges. The faculty were guided on how they can play a key role in fostering a culture of independent and innovative thought in students.



## SRUJANA SHIBIR

30<sup>th</sup> May

For the second quarter, our Flagship outreach event Srujana Shibir was conducted at B.I.T Institute of Technology, Hindupur. The event detailed on the journey of start-ups and entrepreneurship. Dr. C. Chandra Mouli from AIC-SKU led the event and gave a detailed understanding how the entrepreneurial ecosystem works. The emphasis was laid on observing and identifying ground - level issues / concerns and the various ways and means to come up with solutions to each of these concerns. A total of 84 students participated and the event ended with Q&A session and networking.

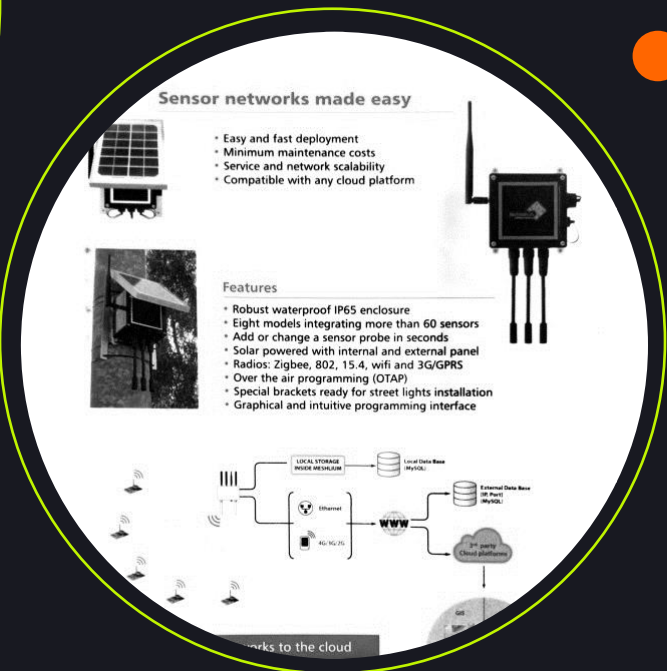




## FACULTY DEVELOPMENT PROGRAM

June

The second of the Faculty Development Program was organized by Sri Krishnadevaraya Agriculture & Horticulture college, Anantapur. There are several challenges to face in the areas of agriculture and horticulture but then there are as many opportunities too. Mr. M. Satish (CEO, AIC-SKU) and Dr M. S. Shivakiran (Manager, AIC-SKU) led the program and detailed the faculty on AIC-SKU is ready to play a pivotal role in fostering entrepreneurship and innovation in the region. A total of 53 faculty participated.



## START-UP CORNER

### TECHNOHUB SOFTWARE SOLUTIONS

Field: Information & Communications Technology

Director: Shameer Basha

- Initiative: The start-up began with helping clients with Website and Software development.
- Innovation: It has now moved into Hardware device development building IoT devices
- Impact: The Start-up ventured into an agreement with Govt. of Karnataka to deploy its IoT devices to monitor various lake parameters

Find more info on Start-up: <https://technohub.in/>

## IMPACT STORIES - AGRICULTURE

### Bootcamp for Agriculture

In a bid to create awareness and a conducive environment for the growth of start-ups in the Anantapur region, AIC-SKU has initiated the "Start-ups in Agriculture". India is a vast country with arable land of 159.7 million hectares and agriculture continues to be the backbone of Indian economy and employment. At AIC-SKU, our decision to extend additional focus to agriculture and its allied areas was based on two important factors –

- The vast scope of agriculture growth and the region's untapped potential
- The imminent need for start-ups focussed on agriculture, a field that needs some aggressive push
- Encourage research and innovation in the agriculture space

### Our Efforts

We conducted a bootcamp for start-ups who are focussed in the agriculture space. Technical and Hands-on training on the knowhows of Milky white mushroom, Azolla & Hydroponics cultivation was conducted to 18 students. These students were given a formal introduction to and training on the cultivation of Milky white mushrooms and Azolla.

### Impact Created

- Milky-white Mushrooms – 6-8 beds of mushroom to obtain 3KG of mushroom was done by each student
- Azolla – 2-3 beds of Azolla yielding 1KG per day per bed were created by each student
- The students also began cultivating vegetables such as – Tomato, Spinach, Radish, Bhindi and Chilli

### Advantages of Milky-white Mushrooms

- Easily cultivable (2-3 weeks)
- Big in size
- Shelf life of 20 days when stored in refrigerator

