

# BANNARI AMMAN INSTITUTE OF TECHNOLOGY

SATHYAMANGALAM - 638401

## BIT - INNOVATION AND STARTUP

THE LATEST NEWS, VIEWS & ANNOUNCEMENTS - FEBRUARY 2022

### BIT - STARTUP QUARTERLY NEWS BULLETIN

PRIVATE CIRCULATION ONLY

ISSUE 03





## BANNARI AMMAN INSTITUTE OF TECHNOLOGY

An Autonomous Institution Affiliated to Anna University - Chennai • Approved by AICTE • Accredited by NAAC with "A" Grade

SATHYAMANGALAM - 638401 ERODE DISTRICT TAMILNADU INDIA

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## FACULTY AND STUDENTS STARTUP

### TABLE OF CONTENT

S. No	FIRM NAME	Pg. No.
1	A-Square Machinery Equipments	01
2	ELECTEK	03
3	EMBETRONICZ	05
4	FAB Solutions	07
5	First Choice AC Solutions	09
6	i Foods	11
7	IoT Techno Solutions	13
8	i-Print	16
9	Sky View	18
10	Smilo Bio	20
11	Technology for wild life solutions	22
12	Trace Robotics	24



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### STUDENTS STUDENTS STARTUP

### TABLE OF CONTENT

S. No	FIRM NAME	Pg. No.
1	Explore my Choice	26
2	TULIRZENE	27
3	DHIVYA Designer clothing	28
4	ZEHRA Artistry	29
5	PACONIA	30
6	QZZY TECK	31
7	POLARATOM	32
8	KADESHWAR	33
9	GROWTURE	34
10	ABHI ARTS	36

1996 - 2021



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/lifeatbit



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# A-SQUARE MACHINERY EQUIPMENTS

*A-SQUARE*



FACULTY INCHARGE  
Dr.V C UVARAJA

## OBJECTIVE OF THE FIRM

- Build up development delivery ability, with predictable and lower costs.
- Build additional product features in a cost effective, yet a future proof and high quality manner.
- Improve quality and efficiency
- Drive the effort to provide a system high availability, redundancy, failure handling and monitoring.
- Implement modern software development methodology, towards goal of the self organizing team, and delivery commitments.
- To maintain the high quality standards

### IN THIS ISSUE

NUMBER OF PRODUCTS  
COMPLETED - 2

NUMBER OF ONGOING  
PRODUCTS - 2

NUMBER OF PRODUCTS  
SOLD - 1

### CONTACT DETAILS

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## Seed Collector

We intend to design the new product in a manner that will be accepted by the customers. In order to check the loss of agricultural grain crops in the field, it is needed to measure the amount of grains that fall to the ground during harvest. Collecting the grains from the ground, and separating them from soil by hand is a hard and time consuming work which might not even be done with precision. A mechanically operated seed collector that does not require an electric power source has not been invented till date. Hence, the present model explores this possibility.

## Load Carrier

Load carriers are ideal for use in industry, crafts and commerce, but also in schools, hospitals, canteen kitchens, office buildings and many more places. Whatever your transport needs are, you will find the right model for you here. With a maximum load capacity of 100 kg, an empty weight of less than 10 kg (depending on the configuration), it is the all-rounder for daily deliveries and repositioning tasks.

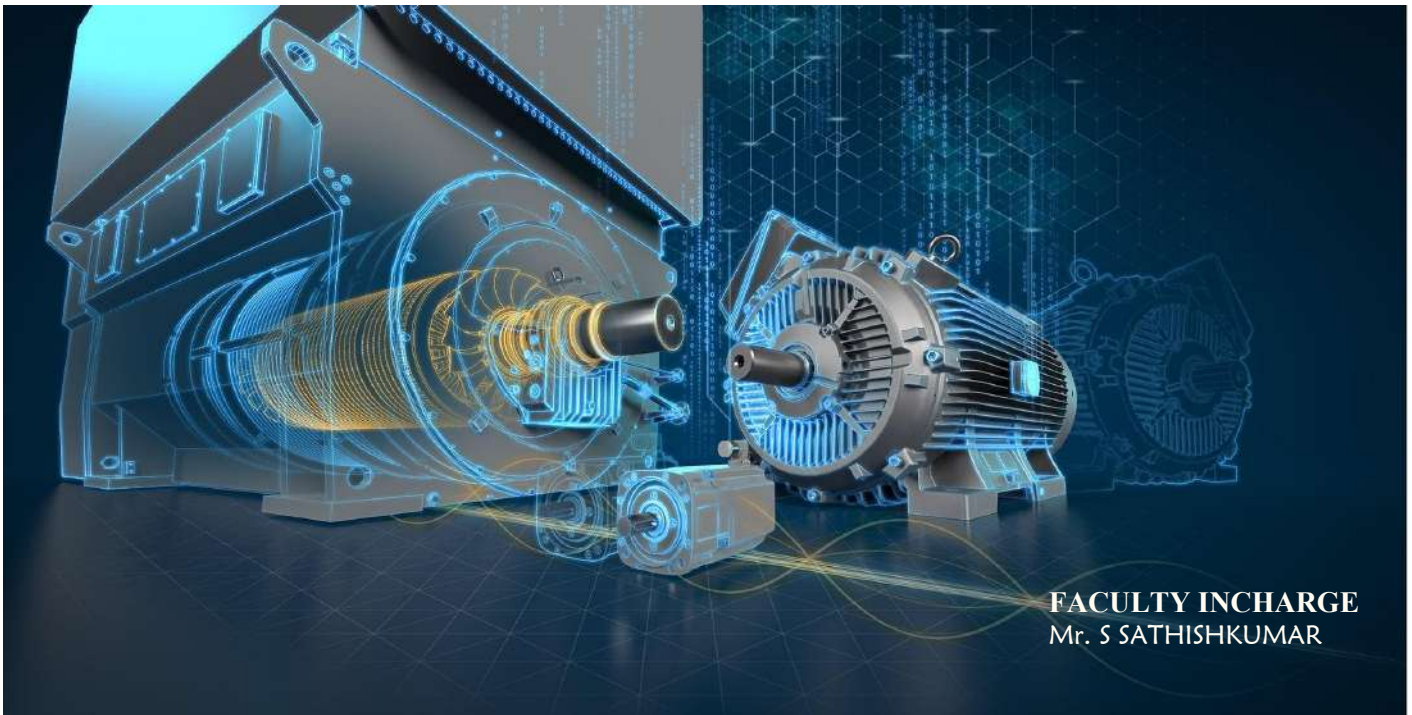


## ACTION PLAN FOR THE UPCOMING MONTHS

\* To design and fabricate a broomstick making machine, Concept has been generated and discussed with students for fabricating the prototype model. Need to purchase the raw materials for it and we are planning to complete it in a month.

# ELECTEK

*Driving to the future*



**FACULTY INCHARGE**  
Mr. S SATHISHKUMAR

## OBJECTIVE OF THE FIRM

- Our main objective is to develop the future technology in E-Mobility and to develop all accessories required for E-Mobility in our premises.
- To empower technical skills to students in Electrical and Electronics engineering.

### IN THIS ISSUE

NUMBER OF PRODUCTS  
COMPLETED - 2

NUMBER OF ONGOING  
PRODUCTS - 2

NUMBER OF PRODUCTS  
SOLD - 1

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## PIR LED Light

This is a portable 5W colour-changing LED lamp with a PIR motion detector. The lamp is inbuilt with a Lithium-ion battery with a backup for four hours. It produces a soft, cool colour that is suitable for any environment. The lamp is also rechargeable, and it can be recharged just by using our phone chargers. There are two modes of operation. In mode1, the lamp will operate continuously without getting turned off, until we turn it off manually. During mode 2, the lamp will turn on and off automatically based on human interference.

## PIR ALARM

A PIR alarm is a security device used to alert the user when somebody interrupts. It is an electronic sensor that measures infrared (IR) light that radiates from objects in its field of view. It is used in front offices, hospitals, and houses



## ACTION PLAN FOR THE UPCOMING MONTHS

\* To design and develop hybrid bikes, electric cars and other products like portable kitchen vessel cleaning machine, solar lamp in agriculture fields, GPS based tracking and controlling device and low cost wireless calling system for restaurants and hospitals

# EMBETRONICS

*Your Techno Partner*



FACULTY INCHARGE  
Dr.L RAJASEKAR

## OBJECTIVE OF THE FIRM

To provide World-class design services for complete end-to-end electronic product development from concept definition till production for numerous application areas such as Embedded System, IoT, Embedded Vision and AI.

### IN THIS ISSUE

NUMBER OF PRODUCTS  
COMPLETED - 3

NUMBER OF ONGOING  
PRODUCTS - 2

NUMBER OF PRODUCTS  
SOLD - 4

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## SMART SECURITY

Smart security systems are used to automate the security surveillance system at home as well as at the office. In a smart security system, the devices are connected to the internet, so that the user can access the system from any place, and also can receive notifications to control the system remotely using the mobile application. The advantage of the developed device is that it can do surveillance in 360 degrees so that the efficiency and performance will be relatively higher than the existing system



## SMART AGRICULTURE

This is a microcontroller-based compact soil analyzer. Conventionally, farmers replenish the soil by using fertiliser. But all the crops do not require the same or equal nutrients. Nutritive requirement for the fields depends on the crop and its age. The conventional soil test centres may not be effective as they take more time to get the results. Moreover, it is difficult to take regular tests during a single crop's lifetime. To minimise these problems and to get better production, we propose to develop a portable kit to test the soil for the contents of NPK (Nitrogen, Phosphorus, and Potassium), pH value, salt content, moisture, and temperature by using respective sensors and an electrode. The measured values will be compared with the predetermined database values, following which the required fertiliser amount will be displayed

## ACTION PLAN FOR THE UPCOMING MONTHS

\* To design and fabricate Smart Gate. It has the features of sensing of human body temperature, automatic sanitizer dispensing and face mask dispensing. It is planned to complete in 3 months.

\* Planning to design a depicted bell. Purchasing components are in progress and it will be completed in the next 90 days.

# FAB SOLUTIONS

*Quality REDefined*



FACULTY INCHARGE  
Mr.P.VIVEK KUMAR

## OBJECTIVE OF THE FIRM

To become the best provider for technical accessories and product. To provide the highest quality & innovative product possible through our highly skilled and dedicated team members and state-of-the-art and patented products and manufacturing process

### IN THIS ISSUE

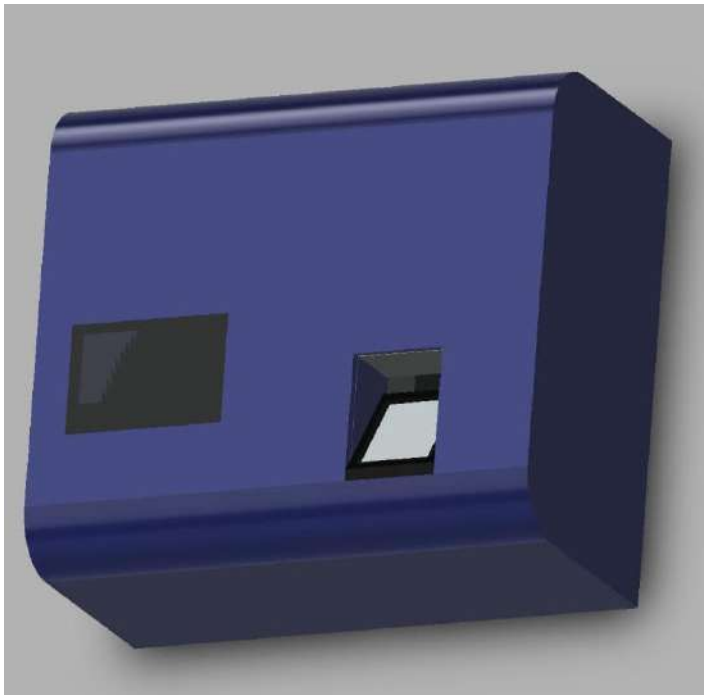
NUMBER OF PRODUCTS  
COMPLETED - 2

NUMBER OF ONGOING  
PRODUCTS - 3

NUMBER OF PRODUCTS  
SOLD - 1

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## BioOxy meter

Bio-Oxy meter is a multipurpose device used for biometric attendance registration. It is also integrated with a blood-oxygen-level measurement where the blood-oxygen-level of the user is also monitored during the time of attendance registration, and their measured values are mapped with the daily attendance. If the measured blood-oxygen level is below or above the specified range, an alert message will be displayed instantly to the concerned person (Team lead) and to the employee welfare team of the organisation simultaneously, for further medical examination

## ACTION PLAN FOR THE UPCOMING MONTHS

\* Sugarcane Leaf Remover using Battery - A portable device used to cut the sugarcane leaf while harvesting. The entire device works by using the battery as a power source

\* Power tiller - A machine used for cultivating, tilling, sowing, and weeding. It contains a self-set of blades set up with a powerful engine.

# FIRST CHOICE AC SOLUTIONS

*Service at your Doorstep*



**FACULTY INCHARGE**  
Dr. M RAVIKUMAR

## OBJECTIVE OF THE FIRM

- To develop a diverse set of design and real time problem solutions in our domain and extend to address the social problems.
- To provide high quality service and maintenance support with low cost in the area of renewable energy and HVAC.
- To generate revenue by doing consultancy work for industries/ commercial sectors.

### IN THIS ISSUE

NUMBER OF PRODUCTS  
COMPLETED - 2

NUMBER OF ONGOING  
PRODUCTS - 2

NUMBER OF PRODUCTS  
SOLD - 1

### CONTACT DETAILS

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## Self tracked paraboloid type solar cooker for domestic applications

A solar cooker is a solar collecting device that uses the energy from the sun to cook food. It uses the energy from the sun to cook food. A category of solar cookers that are less popular but more efficient in terms of reaching higher cooking temperatures is the concentrating solar cookers. A standard concentrating solar cooker is constructed with a stand to support the cooking vessel at the focal region, while also supporting the paraboloid reflector. A tracking mechanism is used to position the concentrating solar cooker to face the sun. A solar optical mechanism is also used to direct and concentrate the incident solar radiation to a focal region which enables the attainment of higher temperatures at the focal region. For direct concentrating solar cookers, the cooking vessel is placed at the focal region of the parabolic reflector during cooking periods.



One of the most popular direct concentrating solar cookers that is easy to construct and operate is the parabolic dish cooker. A paraboloid dish cooker can achieve high temperatures of between 350 °C and 400 °C as compared to other types of concentrating solar cookers. The main disadvantages of the parabolic dish cooker are that it requires constant tracking of the sun, constant attention to prevent the burning of foods, and avoiding fire risks during operation

## ACTION PLAN FOR THE UPCOMING MONTHS

- \* To develop a unique tabletop air conditioner for office rooms that consumes low power.
- \* To design and develop a unique low-cost refrigerant leakage detector.
- \* To develop an IoT-based chiller room monitoring system.
- \* To provide better service to the AC and refrigerator consumers in and around Sathyamangalam.

# i Foods

பகிர்ந்துண்டு பலலுயிர் ஓம்புக

## FACULTY INCHARGE

Dr. R BALAKRISHNA RAJA



## OBJECTIVE OF THE FIRM

- To plan to develop healthy food with fortified nutraceuticals
- To enhance the quality of functional foods using the concept of waste to wealth
- To create the customer base through the WA & other social sites. (if possible will develop app based order & bill maintenance)

### IN THIS ISSUE

NUMBER OF PRODUCTS  
COMPLETED - 3

NUMBER OF ONGOING  
PRODUCTS - 3

NUMBER OF PRODUCTS  
SOLD - 6

### CONTACT DETAILS

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## Stress relief bars

A stress relief bar is a more conscious and delicious ready-to-eat snack. It is a perfect combination of nuts and fruits with no added sugar. The product is great for consumption at any time of the day. The bar is rich in antioxidants, and mono-unsaturated fatty acids, which are beneficial in reducing the cortisol level to bring down your stress.

## Pre and Post workout bars

The workout bar is a perfect choice for all fitness enthusiasts as it is packed with a lot of nutrition, and also has an amazing taste. It contains antioxidant-rich dry fruits such as dates, berries, and raisins that help us remain energised and lead an active life. Each bar offers 8g protein to fulfil our daily protein needs. This bar is totally nutty and is enriched with 2g fibre per serving to enhance digestion and keep us satiated long enough. This is an absolute delicacy, free from any artificial flavours, colours, preservatives, and sweeteners.



## ACTION PLAN FOR THE UPCOMING MONTHS

\*To design edible cups with increased stability for mechanical stress and moisture. Product optimization by varying ingredients and ingredient percentages and also planning on creating a DIE for occupying oven area efficiently and to decrease production time. Planning to complete it within 90 days

\* To design optimum packaging materials for Stress release Bar for commercialization.

# IOT TECHNO SOLUTIONS

*Automate Everything*



**FACULTY INCHARGE**  
Mr. S TAMILSELVAN

## OBJECTIVE OF THE FIRM

IoT Techno Solutions is a internet of things (IOT) development solutions provider that delivers the most innovative and agile solutions that enable you to automate, inspire and impress. We dedicate hours of painstaking analysis to develop solutions that not only cater to our customers' current requirements but also scale seamlessly for future needs. Most importantly, we always aim to build solutions that Focus on design and development of IoT enabled technologies & solutions which are cost effective and socially relevant on increasing your productivity.

### IN THIS ISSUE

NUMBER OF PRODUCTS  
COMPLETED - 4

NUMBER OF ONGOING  
PRODUCTS - 2

NUMBER OF PRODUCTS  
SOLD - 1

### CONTACT DETAILS

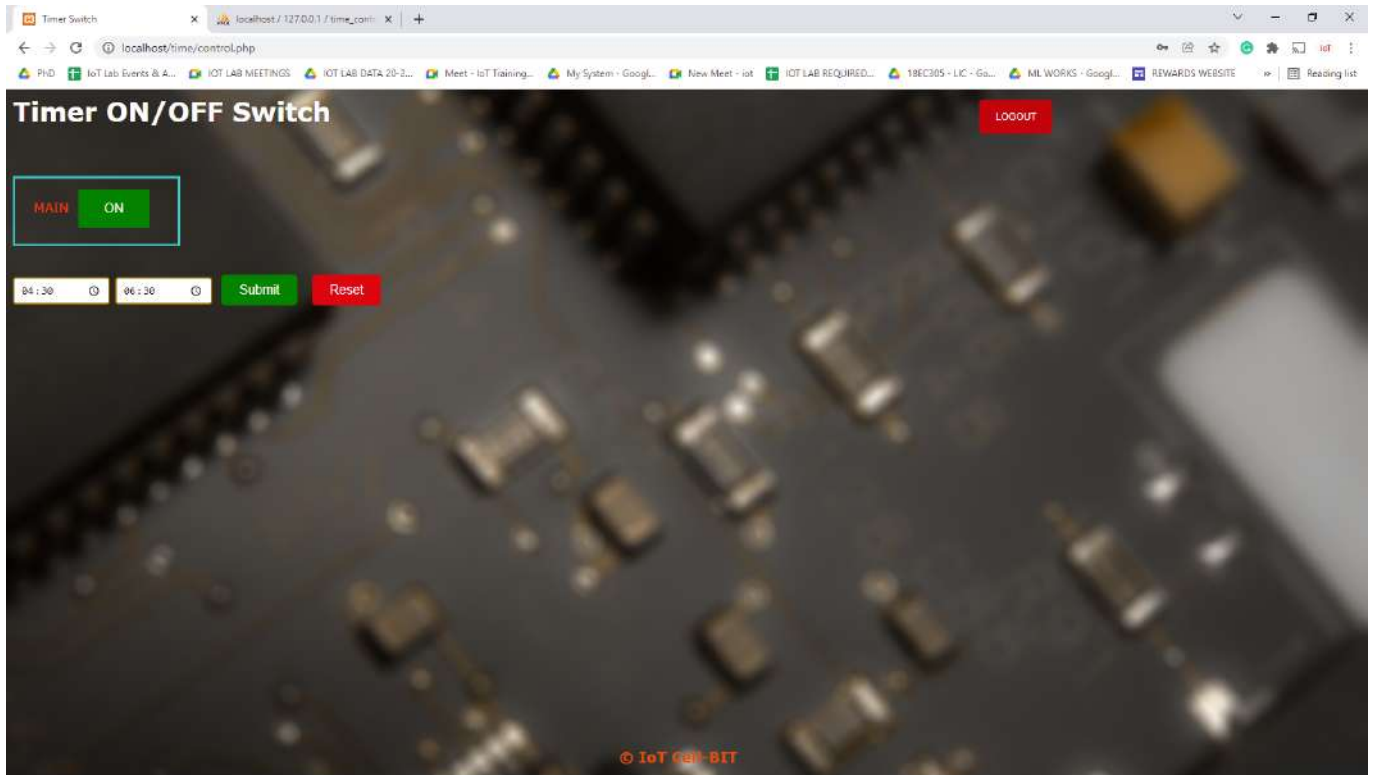
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## IoT Based Timer Switch

IoT-based Timer Switch is a WiFi IoT time switch with scheduling capabilities based on the real-time clock and location-based astronomical clock (follow location's sunset/sunrise time) configured on the server. It can be also used as a Countdown Timer, an Impulse Timer, or a Cyclic Timer. It can be connected with WiFi internet to remotely access, control, and configure your applications from anywhere in the world. This solution of intelligent lighting ensures to easily program any commercial or residential space, and meet future needs without any disruptions.



## IoT-Based LED Display Control

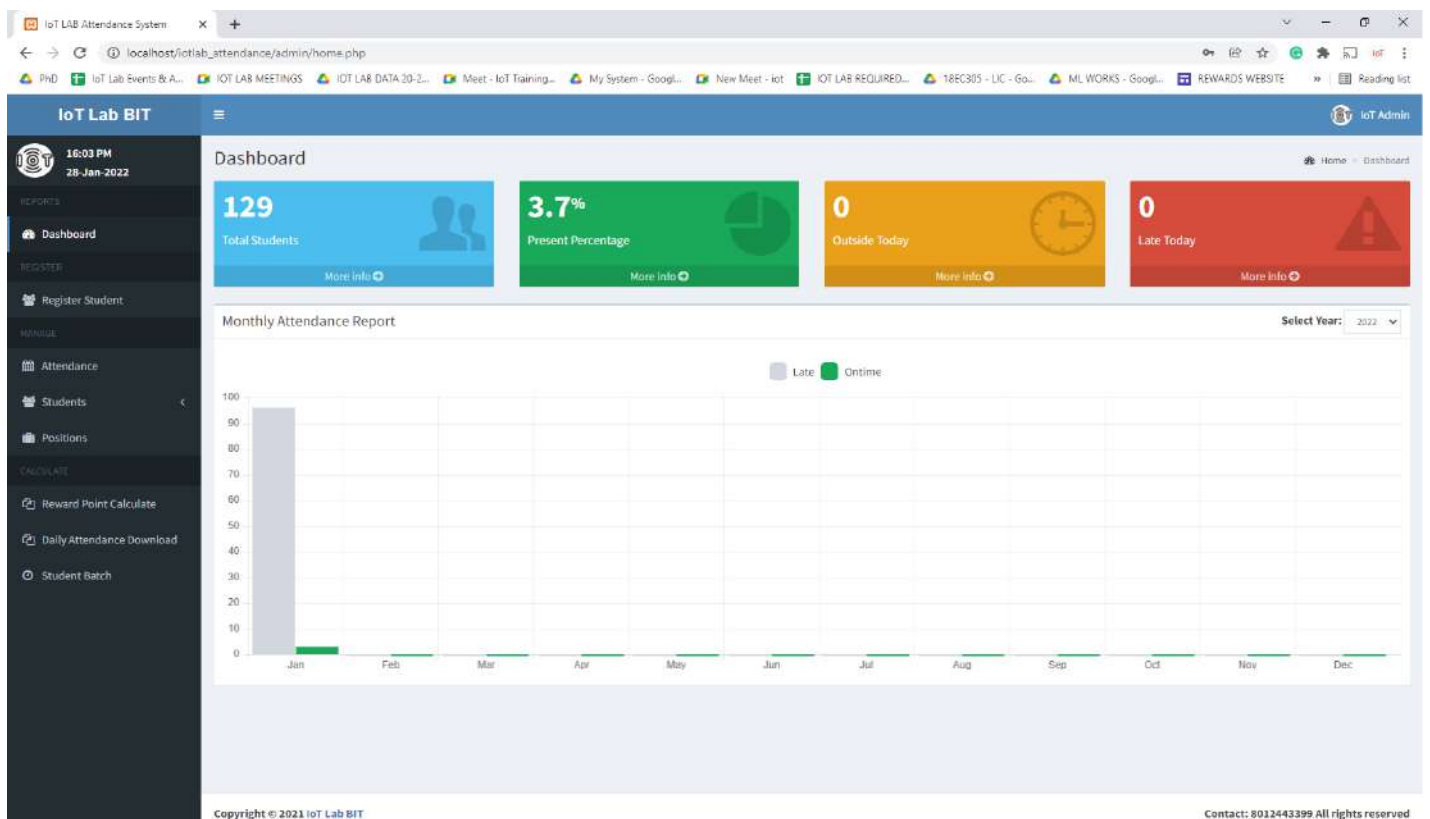
The conventional display system available in the market needs the customers to access the device by physically being near the device. To overcome this, we have planned to automate it using IoT technology.



The technologies and methods to overcome the drawbacks of older versions are analysed. Information is entered through the keyboard or user interface like a mobile app, which will then be sent as an added feature to the LED display controller through Wi-Fi. Thus, the desired information will be displayed on the LED matrix display.

## Employee Attendance System

An employee attendance management system is an RFID-based software developed to track the working hours of employees. It does precise time tracking for attendance, breaks, and the clock in and out of your employees. It prevents any type of error in a record. It makes your attendance management precise and efficient. In a good attendance management system, employees can register their attendance through RFID incorporated ID card and can monitor their time and attendance in the mobile app. The software automates your attendance management, thus enabling the data to be available to the HR department in real-time to do the precise payroll. In this way, employees will be compensated for their time.



## ACTION PLAN FOR THE UPCOMING MONTHS

- \* To enhance the existing products based on user needs and develop new products such as Pet Feeder and IoT-based water level Indicator using ESP8266.
- \* Pet Feeder can be coded to complete a variety of tasks. For instance, it is programmed to fill the food bowl when the dog comes near the bowl or to detect an empty bowl and fill it up at regular intervals.
- \* IoT Based Water Level Indicator using ESP8266 could be used to detect and indicate the water level in an overhead tank or any other water container. The buzzer will ring if the water touches the base of the transistor.

# i-PRINT

*Print Anything*



## FACULTY MEMBERS:

Mr. S K DHINESH

Dr. K L SENTHIL KUMAR

Mr. M RAGHUNATH

## OBJECTIVE OF THE FIRM

- To design and fabricate low cost CNC based machines to match the need of the customer.
- To develop next-generation machines that would otherwise be impossible/impractical to manufacture, including the creation and incubation of new applications for additive manufacturing and attendant first-to-market advantages.

### IN THIS ISSUE

NUMBER OF PRODUCTS  
COMPLETED - 2

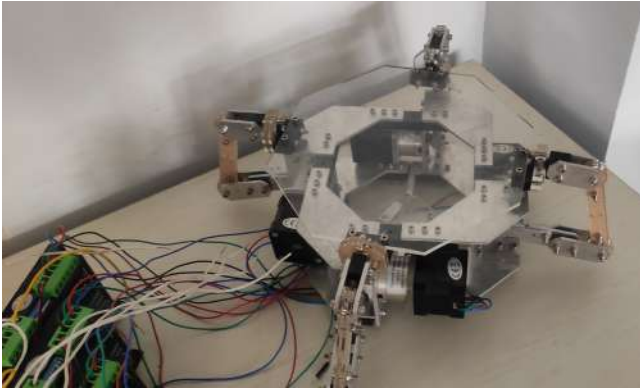
NUMBER OF ONGOING  
PRODUCTS - 2

NUMBER OF PRODUCTS  
SOLD - 1

### CONTACT DETAILS

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Ph. No. : +919715367724

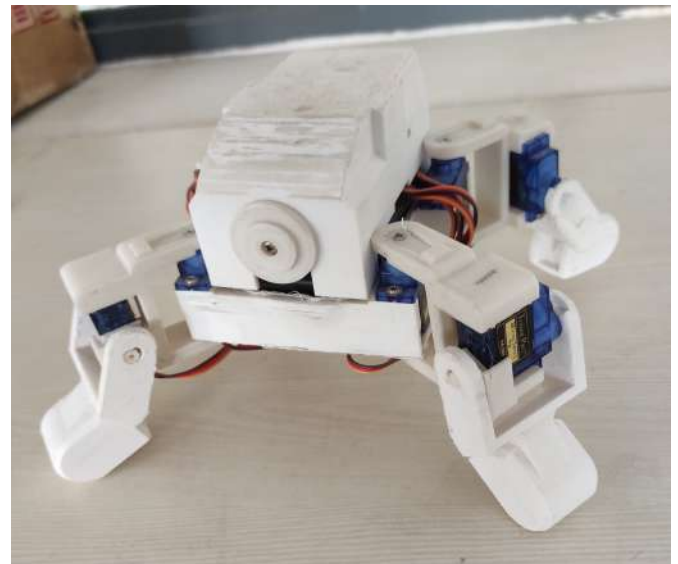


## Self Balancing Octo Ball Bouncer

The octo bouncer works on image processing, and focuses on bouncing and balancing the ball at the centre and in the desired pattern. This machine uses Teensy 4.0 Microcontroller and e-con systems' See3CAM\_CU135 camera with OpenCV platform.

## SPIDER ROBOT

This spider robot facilitates humans in perceiving the situation and in saving human lives. In the case of earthquakes, getting a visual image in a collided state is not that easy using conventional techniques. In the above-mentioned scenario, the utilisation of legged robots, walking machines, or square measure designed for locomotion on a rough piece of ground is evitable. The leg mechanism to keep up the balance, the sensors to see foot placement, and the algorithms for performing gait in a complex task in the case of such search and rescue robots. Hence, to address the balancing, and navigational complexity problems, six-legged robots are often used as search and rescue robots. The more challenge is to develop such hexapod robots with miniature designs and sensible quality. The advantage of such a six-legged robot mechanism is that they often scroll on the land and require less complex algorithms.



Further, such robots have additional controlled balance when compared to the multi-legged mechanisms. Considering the above requirements, a 3D-printed six-legged robot that can be utilised for the search and rescue operation is developed.

## ACTION PLAN FOR THE UPCOMING MONTHS

- \* To develop a clay or cement 3D printer, which can be used to fabricate miniature building models and buildings. These designs will help the architects to effortlessly display the building models.
- \* Three axis wood engraving machine is also in process.

# SKY VIEW

*Fly above and Beyond*



**FACULTY INCHARGE**  
Mr. V HARIPRASAD

## OBJECTIVE OF THE FIRM

Sky View aims at developing quality drone parts and provide expert drone services. Sky View design and develop drone parts and assemble them to meet customer requirements. We are capable of building drone for applications like Agricultural Drones, Pesticide Spraying Drones, Crop Monitoring Drones, Surveillance Drones, Drones Camera, and Photography Drones. As a service provider the company offers solutions in Drone Manufacturing, Aerial Photography, Surveillance Drone, and Digital Photography services to the customers. We also aims in providing intelligent solutions to industry by promoting the usage of drone

### IN THIS ISSUE

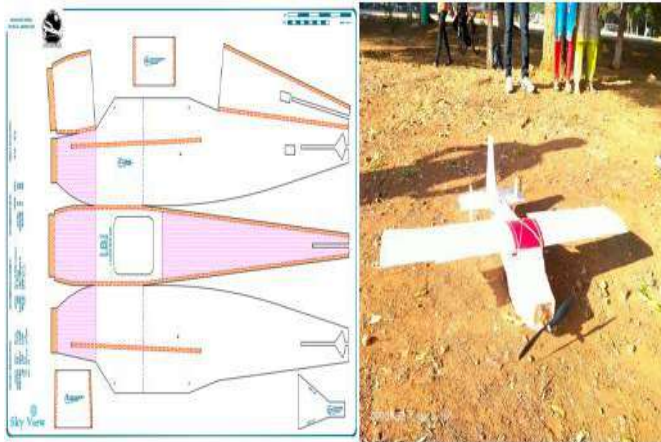
NUMBER OF PRODUCTS  
COMPLETED - 2

NUMBER OF ONGOING  
PRODUCTS - 2

NUMBER OF PRODUCTS  
SOLD - 1

### CONTACT DETAILS

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## Drone Frame with Glass-fiber composite

This drone frame is designed with the help of glass-fibre composite material. The glass-fibre plate is a lightweight, high-strength composite structure. It can also withstand high-impact loads, making it a favourable choice for making drone frames. The glass-fibre plate provides flexibility to fabricate various sizes and shapes of frames for the drones, based on the requirement.

## Bushwacker - Trainer Kit

The Bushwacker trainer kit is a Fixed Wing UAV model kit. The trainer kit is designed to help amateur drone enthusiasts to build Fixed Wing UAV models. The model will have a high-wing configuration with a conventional tail and belly landing design. The design can be printed and transferred to chloroplast sheet, form sheet, or balsa wood based on the customer's material availability for the construction. The trainer kit contains a detailed design, instructions, and step-by-step method to aid easy construction. This high wing model is more stable while flying. This configuration is more suitable and easy to fly for those who intend to learn piloting.



## ACTION PLAN FOR THE UPCOMING MONTHS

\*To design a Fixed Wing UAV Kit with mid-wing and low-wing configurations. The mid-wing and low-wing configuration UAV is mainly intended to perform acrobatics effectively.

\*To design electronic speed controllers with the help of printed circuit boards. The 30 Amp electronic speed controller can be used in the flying of Fixed Wing UAV as well as multi-copter drones.

# SMILO BIO

SMIOBIO CARE FOR YOU

**FACULTY INCHARGE**  
Dr. M KIRUPA SANKAR



## OBJECTIVE OF THE FIRM

- To deliver a healthy and quality product. To reveal the traditional food as per today needs and acceptance.
- To serve the society with simplicity.

### IN THIS ISSUE

NUMBER OF PRODUCTS  
COMPLETED - 2

NUMBER OF ONGOING  
PRODUCTS - 2

NUMBER OF PRODUCTS  
SOLD - 1

### CONTACT DETAILS

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## Spirulina Protein powder

100% plant-based protein, a vegan protein supplement made with pea & brown rice protein blend. It offers 25g plant protein, 4.6g BCAAs, and 9.8g EAAs per serving. It contains plant-based papain and bromelain enzymes that enable rapid protein absorption and better digestion. The product is enriched with an antioxidant repair blend to support muscle recovery and prevent cell damage



## Phycocyanin

Considered to be one of those rare Nutritional-Dense Foods available to Mankind in this world, is what makes Blue phycocyanin a Superfood. It has a complete amino acid profile and is super high in vitamins and minerals like copper, iron, riboflavin, and thiamin to name a few. Also Blue Spirulina has the ability to work towards healing Many Imbalances at once. Consuming this will not turn you into a Smurf, but you will definitely notice the health benefits for yourself. Can easily be incorporated in Smoothies, Breakfast Bowls, Desserts, Baked Goods, Kombucha, Lemonades; goes very well with a lot of Vegan Recipes.



## ACTION PLAN FOR THE UPCOMING MONTHS

- \* Activated coal rejects for cleaning contaminated water, Coal rejects are abundant and its activated charcoal would help in removing contaminants from effluent. Studies on the removal of contaminants are going to be initiated.
- \* Nutritious waffle ice cream cone, Studies for converting ragi husk, a by-product of ragi flour, into waffle ice cream cones are being conducted
- \* Intend in making a biopolymer based peel-off face mask in future



# TECHNOLOGY-FOR-WILDLIFE SOLUTIONS

*Technology for Wildlife*



**FACULTY INCHARGE:**  
Dr. SANJOYDEB

## OBJECTIVE OF THE FIRM

To design and development various wildlife and nature conservation technologies through in-depth R&D. Research outreach to forest department, farmers and NGOs through consultancy

### IN THIS ISSUE

NUMBER OF PRODUCTS  
COMPLETED - 2

NUMBER OF ONGOING  
PRODUCTS - 2

NUMBER OF PRODUCTS  
SOLD - 2

### CONTACT DETAILS

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Ph. No. : +916381311652

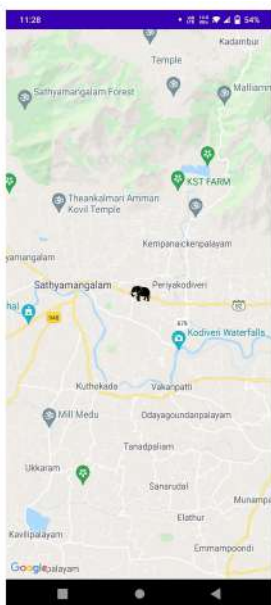
## Elephant Sign Board

Achieving peaceful coexistence among humans and wildlife is the most fundamental requirement for wildlife conservation. Animals crossing the roadside and subsequent issues are the prime factors that hinder the achievement of this objective. Providing the much-needed safe, secure, and effective animal crossing information to the vehicle drivers will mitigate the tension considerably, and thus will help us achieve the target. Considering these, projects have been proposed to design an indigenous, affordable "Elephant sign board" to provide safe road crossing for wild animals and reduce accidents caused by vehicle drivers.



## LASER Fence based elephant detection system with Mobile APP

It is an indigenous Visible LASER-based optical fence system to provide safe road crossing for wild animals from vehicular traffic. When the laser line gets blocked for a certain duration (Activation Time) by a road crossing animal, it triggers a Traffic Light Alarm at a certain distance via a wireless signal. A single unit can cover up to 200m with visible LASER. Multiple units can also be connected as an optical fence chain, and it will work in relay mode to cover a long distance. If an elephant is detected, it immediately sends the location to the mobile app. Thus, we can see the report at any time, anywhere.



## ACTION PLAN FOR THE UPCOMING MONTHS

\* To design, develop, and field trial an Abrupt Ground Vibration Tracker (AGVT) integrated with Mobile App. The AGVT will be designed to trace abrupt seismic vibrations (vibrations that are above the maximum permitted level and may potentially be hazardous) caused by mining and civil activities within or near a human settlement or sophisticated civil structures

# TRACE ROBOTICS

*Build The Future*



**FACULTY INCHARGE:**  
Dr. P SENTHILKUMAR

## OBJECTIVE OF THE FIRM

- Trace Robotics is a Mobile Robotics technology firm that designs, manufactures and deploys robotics systems for Industry and educational sector.
- We combine expertise in robot hardware and robot software engineering to solve operational issues in automation.

### IN THIS ISSUE

NUMBER OF PRODUCTS  
COMPLETED - 1

NUMBER OF ONGOING  
PRODUCTS - 2

NUMBER OF PRODUCTS  
SOLD - 1

### CONTACT DETAILS

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## RFID Attendance system

Radio Frequency Identification (RFID) based attendance system is one of the solutions to address this problem. This system can be used to take attendance for student in school, college, and university. It also can be used to take attendance for workers in working places. Its ability to uniquely identify each person based on their RFID tag type of ID card make the process of taking the attendance easier, faster and secure as compared to conventional method.

## ACTION PLAN FOR THE UPCOMING MONTHS

- \* To develop a mobile robot beginner kit with an integrated turn key system which helps beginners to learn about robotics concepts.
- \* Trace robotics is working on design and development of mobile robot for autonomous navigation system. And planning to develop ROS based autonomous navigation system.

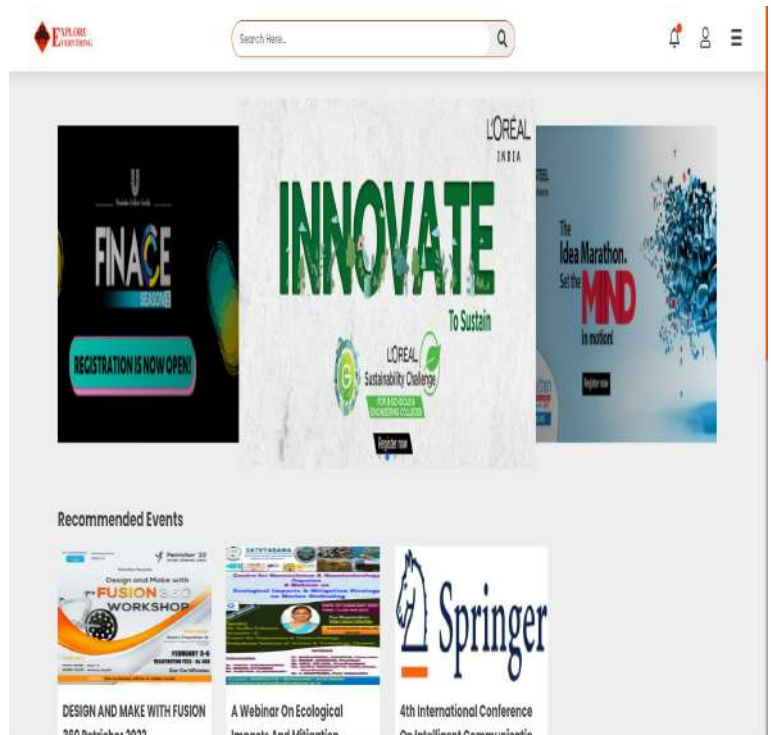
# Explore My Choice

*Explore Events All Around*



## ABOUT THE FIRM

The main aspects of our startup is to guide students,office people ,lecturers teachers and event organizers to know about various events in the colleges. Our website acts as a bridge between students and event organizers. Here people get to know about various conferences, cultural, college fests, online courses, internships, symposium, webinars and so they can go for their choice in a easy way. Our website is compatible for both pc and mobile devices so that accessing our website is very user friendly .



## ACTION PLAN FOR THE UPCOMING MONTHS

\* To promote freeLancers in our website and to create a mobile application for our official website.

# TULIRZENE

*Wing the Green World*



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Ms. KANIHA K G  
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182BT131



## ABOUT THE FIRM

Globally, Women face many social, cultural and religious restrictions in taking care of their menstrual practices. We concentrate on designing a biodegradable Healthcare sanitary napkin made up of Agro by-products and Herbal infusions. Tulirzene Sanitary Napkins are completely Biodegradable, render Anticancer and Anti-microbial properties, and provide great comfort. Our absorbent layer is made with treated agro-waste (Groundnut Shells) for better absorption, playing a major role in the cost reduction, which ultimately paves way to be more affordable to all.

01/12/2021 10:04

PDF UDYAM REGISTRATION CERTIFICATE

UDYAM REGISTRATION NUMBER	UDYAM/IN/01/002581			
NAME OF ENTERPRISE	TULIRZENE			
TYPE OF ENTERPRISE	MSME			
MAJOR ACTIVITY	MANUFACTURING			
SOCIAL CATEGORY OF ENTREPRENEUR	GEN			
NAME OF UNIT	Name of S.1/MSME			
OFFICIAL ADDRESS OF ENTERPRISE	Plot/Block No. Village/Town	Pin Code State	Name of Premises Block	Nearest Access Institute of Technology Page of Manufacturing City/District/State
DATE OF INCORPORATION/REGISTRATION OF ENTERPRISE	01/11/2021			
DATE OF UDYAM REGISTRATION	30/11/2021			
NATIONAL INDUSTRY CLASSIFICATION CODES	SNA 1. 33. Other manufacturing	MSI 1300. Other manufacturing	MSU 1300. Manufacture of other articles	MSME 1300. Manufacturing

## ACTION PLAN FOR THE UPCOMING MONTHS

- \* Optimizing the design parameters like structural integrity, amount of absorbent, absorbent particle size, absorption efficiencies, leak proof capabilities of the Sanitary napkin.
- \* Planned to conduct a Market Survey Analysis on the proposed biodegradable hygiene product to standardize the customer satisfaction stakes. This could help in the commercialization aspect.

# DHIVYA DESIGNER CLOTHING

*You Dream it! We customize it!* ❤️ 🌀



Ms. DHIVYA BHARATHI V  
182FT108



## ABOUT THE FIRM

A woman's wardrobe is her opportunity to stand out and make a lasting first impression. She carves her outfit and it is carefully curated with Dhivya Designer Clothing. It endlessly marches to provide our customers with latest trends and upcoming fashion ideas. Beyond helping our customers look the best, Dhivya Designer Clothing also strives to make every purchase a positive experience. This is a fashionista's best place to come up with a perfect wardrobe. This is to create a place where women of all ages, shapes, sizes and budgets could find their dream outfit.



## ACTION PLAN FOR THE UPCOMING MONTHS

\* planning to open a physical Store in a metropolitan city with attractive interiors and a pleasant ambience. I hope I will do that one day and keep walking on my passion with great progress



## ABOUT OF THE FIRM

In this fast-moving world, we must get skilled and excel in our own field of interest. So many people are unaware of what to do in their leisure time and few want to blow off some steam after a very stressful day. If you are one of them in search of fields such as art and craft, painting, sewing and cosmetology can approach Zehra Artistry. Zehra is now focusing on ethics and moral values. We are pleased to educate people on living an optimistic life and help them go through their problems with extra confidence with the help of thoughts from ancient books like Thevaram, Thirupigazh etc.



## ACTION PLAN FOR THE UPCOMING MONTHS

\*To advertise and make people aware of our website. Trying to prepare brochures and also have planned to reach out to kindergartens and some academies for conducting classes and workshops there.





## ABOUT THE FIRM

Paconia has been providing quality products and incomparable services since it has stepped in the market. We have understood that it is important to look after nature. Hence we have now stepped ahead of plastic bags and have begun with the manufacturing of Customizable Eco friendly Packaging materials so that the waste generated due to plastic packaging can be minimized.

We support retails, companies and industries who are striving to GO GREEN. Paconia has crossed ₹ 100000 in sales. We shall continue to provide quality and service that is beyond customer's expectation and satisfaction.



(Amended)

Government of India  
Form GST REG-06  
[See Rule 10(1)]

### Registration Certificate

Registration Number : 33FKWFP1948B1ZU

1.	Legal Name	PRATHIPAN SHANMUGHAM			
2.	Trade Name, if any	PACONIA			
3.	CONSTITUTION OF BUSINESS	Proprietorship			
4.	Address of Principal Place of Business	OLD NO 137B/NEW NO 149, PUTHUKATTU THOTTAM, THIRUVENGADAMPALAYAM / KARUMANDISELLIPALAYAM, PERUNDURAI, Erode, Tamil Nadu, 638052			
5.	Date of Liability				
6.	Date of Validity	From	15/02/2021	To	Not Applicable
7.	Type of Registration	Regular			
8.	Particulars of Approving Authority	Tamil Nadu Goods and Services Tax Act, 2017			
Signatures					
	Name	M Balasubramaniam			
	Designation	Assistant Commissioner(Circle)			
	Jurisdictional Office	PERUNDURAI			
	Date of issue of Certificate	20/07/2021			
Note: The registration certificate is required to be prominently displayed in all places of Business/Office(s) in the State.					

This is a system generated digitally signed Registration Certificate issued based on the approval of application granted on 20/07/2021 by the jurisdictional authority.

## ACTION PLAN FOR THE UPCOMING MONTHS

\* Paconia website is ready to launch. After two years in business, Paconia aims to drive ₹10,00,000 in annual revenue from the sale of Eco friendly Packaging materials.



## ABOUT THE FIRM

Our end customer's health is our wealth. So we are here to serve end customers with pure and healthy water based on their health conditions. Our aim is to promote my product with adequate minerals and filters according to the end user's individual health conditions, for example, if the end user suffers from ulcer problem we can add ph boosters to maintain the acidity level.



WATER PURIFIER

## ACTION PLAN FOR THE UPCOMING MONTHS

\* To provide end customers with options where they can select their own specifications like selecting the iodine value, TDS level, adding filters to enrich vitamins, etc., according to their needs.



**Mr. SAKTHIVEL P**  
181AE129

## ABOUT THE FIRM

POLARATOM help you to identify Wispy and fresh fragrances and create a fragrances memory for years to come.

POLARATOM, established in September 2021 provides an online service. Being pioneers in bringing decant fragrances to India when the market was struggling with designer fragrances. Buy various designer decant fragrances, at best lowest prices.

  
 Government of India  
 Forms GST REG-06  
 (See Rule 10(1))  
**Registration Certificate**

Registration Number : 33AG0PS207125

1. Legal Name	PARTHEPAN SAKTHIVEL		
2. Trade Name, if any	POLARATOM		
3. Constitution of Business	Proprietorship		
4. Address of Principal Place of Business	1/25, Vithalagounder Padur., ulirakudi, Tiruppur, Tiruppur, Tiruppur, Tamil Nadu, 626751		
5. Date of Liability			
6. Period of Validity	From	05/11/2021	To Not Applicable
7. Type of Registration	Regular		
8. Particulars of Approving Authority	Custom		
Signature:	Signature Not Verified Digitally signed by PARTHEPAN SAKTHIVEL SERVICES TAX UNIT, TAMIL NADU Date: 2021.11.08 10:33:57		
Name:	Len Angel Raja		
Designation:	Sopromanager		
Jurisdictional Office:	CHENNAIDALAI		
9. Date of Issue of Certificate:	05/11/2021		
Note: The registration certificate is required to be prominently displayed at all places of business in the State.			

This is a system generated digitally signed Registration Certificate issued based on the approval of application generated on 05/11/2021 by the jurisdictional authority.

## ACTION PLAN FOR THE UPCOMING MONTHS

\* Planning to host official website polaratom.com in the mid of 2022. Make some revenue by selling fragrances in e-commerce site. Vision to filing trademark at 2023 and start manufacturing our own Polaratom fragrances and launch in the year of 2024.



## ABOUT THE FIRM

KADHESWAR tiedup with Miya organic for producing very low cost homemade organic soap since 2021. One of the best things about KADHESWAR organic soaps is that they are not only healthy to consume but also to produce. We do not include any chemicals, fertilizers or pesticides which keeps you and your family safe. With no side-effects and without any chemicals, KADHESWAR recommends you to switch to organic antiseptics soaps right away.

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 सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय  
 Ministry of Micro, Small and Medium Enterprises

**UDYAM**  
 REGISTRATION CERTIFICATE

Our small hands make you LARGE

UDYAM REGISTRATION NUMBER	UDYAM-TN-28-0040228			
NAME OF ENTERPRISE	KADESHWAR			
TYPE OF ENTERPRISE*	MICRO			
MAJOR ACTIVITY	MANUFACTURING			
SOCIAL CATEGORY OF ENTREPRENEUR	GENERAL			
NAME OF UNIT(S)	S.No. 1 Detergent (Name of Unit(s))			
OFFICIAL ADDRESS OF ENTERPRISE	Flat/Door/Block No. 250/1	Some of Premises/ Building Block	KADESHWAR	
	Village/Town	Kondachipadur	Kondachipadur	
	Road/Street/Lane	Kondachipadur road	City	
	State	TAMIL NADU	District	
	Mobile	830031821	Pin 636057	
			E-mail: kuseenthil@gmail.com	
DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE	04/12/2021			
DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS	04/12/2021			
NATIONAL INDUSTRY CLASSIFICATION CODE(S)	S.No. NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity
	28	2873	28731	Manufacturing of chemicals and chemical products
		28731	287310	Manufacture of detergents, cleaning and polishing preparations, perfumes and toilet preparations
			2873101	Manufacture of detergent and similar washing agents excluding soap
DATE OF UDYAM REGISTRATION	05/12/2021			

\* In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the M/o MSME.  
 Disclaimer: This is computer generated statement, no signature required. Printed from <https://udyamregistration.gov.in> & Date of printing: 06/12/2021

For any assistance, you may contact:  
 1. District Industries Centre: TIRUPPUR (TAMIL NADU)  
 2. MSME-DE: CHENNAI (TAMIL NADU)

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 Follow us @msmeindia | @achampions

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 with the Ministry of MSME

## ACTION PLAN FOR THE UPCOMING MONTHS

\* Planning for marketing, One of the most important aspects of the business, which is often sidelined, but is vital for the business, is the marketing of the products and the business. Entrepreneurs need to spend about 30 to 40 percent of their time and effort in the production process and the remaining must be dedicated to the marketing of the business.



## ABOUT THE FIRM

We, growthure aim to release an eco friendly biodegradable material as an alternate to the existing polystyrene, cardboard based packaging. Our material is sustainable, water and fire resistant, offers high tensile strength, long durability and contains zero plastic. This biomaterial will degrade within a few months unlike plastics and will not leach out chemicals like cardboard. The substrate, agricultural waste like rice husk, peanut shell is thoroughly sterilized and organic manure is added to enhance the nutritional value for fungal growth.

02/2021 Print : Udyam Registration Certificate



भारत सरकार  
Government of India  
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय  
Ministry of Micro, Small and Medium Enterprises



**UDYAM**  
REGISTRATION CERTIFICATE

Our small hands to make you LARGE

<b>UDYAM REGISTRATION NUMBER</b>	UDYAM-TN-07-016343		
<b>NAME OF ENTERPRISE</b>	GROWTURE		
<b>TYPE OF ENTERPRISE *</b>	MICRO		
<b>MAJOR ACTIVITY</b>	MANUFACTURING		
<b>SOCIAL CATEGORY OF ENTREPRENEUR</b>	GBC		
<b>NAME OF UNIT(S)</b>	State of (Unit(s))		
	TN Tamil		
<b>OFFICIAL ADDRESS OF ENTERPRISE</b>	Pin/Block No. IB	Name of Premises Building	RT
	Village/Town Akathalamahalli	Block	IB
	Road/Village/Lane Kally - Bharand	City	Sathyamangalam
	State TAMIL NADU	District	ERODE
	Pincode 67910712	Email:	gib@growthure.com
<b>DATE OF INCUBATION/REGISTRATION OF ENTERPRISE</b>	01/04/2021		
<b>DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS</b>	01/07/2021		
<b>NATIONAL INDUSTRY CLASSIFICATION CODE(S)</b>	5/a	NC 2 Digit	NC 4 Digit
	17 - Manufacture of paper and paper products	1710 - Manufacture of pulp, paper and paperboard	17100 - Manufacture of printing paper
<b>DATE OF UDYAM REGISTRATION</b>	07/07/2021		

\* In case of graduation (upward-reverse) of status of an enterprise, the benefits of the Government schemes will be available as per the provisions of Notification No. S.O. 119621 dated 26.06.2020 issued by the Mo MSME.

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For any assistance, you may contact:

1. District Industries Centre: ERODE (TAMIL NADU)

2. MSME-DE: CHENNAI (TAMIL NADU)

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Into the mixture, mushroom spores are inoculated and incubated at 30°C, 80% humidity for 15 days. Initial 10 days for the mycelium, the root structure of fungi will act as nature's glue to bind the substrate together. Later the mould has to be detached, this will allow the mycelium to grow on the surface for another 5 days. Then the spores are disabled by heat killing at 130°F for 4hrs using an oven. The generated biomaterial can be used for packaging purposes and exhibits enormous strength, water/fire proof, toxic free, biodegradable and safe.

**Sustainable production of ecofriendly packaging material from mycelium and agriculture waste.**



## ACTION PLAN FOR THE UPCOMING MONTHS

\* In future, we are planning to optimize the development process and to further evaluate the physical characteristics of the generated packaging material.

## ABHI ARTS

*Your imagination, our creation*



Mr. ABHINANTHAN S S  
201EC104

### ABOUT THE FIRM

My start up is about the artwork. My work is to creating a customer's imagination. When a customer approaches me for an artwork i will work on it, and give it to the customer with an affordable price. Both paper art and digital art would be done as per the customer's wish as soon as possible. Now it is on going trend, many customers approched me for the gift purpose. This will be the future, eveyone are shifting from old gifts to these kind of stuffs.



### ACTION PLAN FOR THE UPCOMING MONTHS

\*Planning to draw digital art for marriage invitations and also for portrait wall frames