



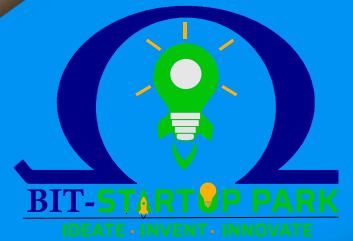
# BANNARI AMMAN INSTITUTE OF TECHNOLOGY

An Autonomous Institution Affiliated to Anna University Accredited by NAAC with 'A+' Grade  
SATHYAMANGALAM - 638401 | ERODE DISTRICT | TAMILNADU INDIA



## BIT - INNOVATION AND STARTUP

THE LATEST NEWS | VIEWS &  
ANNOUNCEMENTS - JUNE 2023



**BIT - STARTUP**  
QUARTERLY NEWS BULLETIN  
Private Circulation only

ISSUE - 7

Edited by O/o Dean PDS, Feedbacks and  
Suggestions may be sent to [officestartup@bitsathy.ac.in](mailto:officestartup@bitsathy.ac.in)

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# FACULTY & STUDENTS STARTUP

# BANNARI AMMAN

## AGRI SERVICES CENTRE

**Incharge: Dr. V. Chelladurai**

**No. of Products Completed** 02

**No. of Ongoing Products** 02

Contact : [chelladurai@bitsathy.ac.in](mailto:chelladurai@bitsathy.ac.in) | 9944400589

### Objective of the Firm:

- To provide fresh and organic vegetables and fruits to the BIT Community.
- To incorporate advanced technologies within persisting agricultural practices for improving production quality and efficiency of farming products.
- To provide an Agriculture Machinery hiring centre to solve labor shortage issues.  
To develop small scale machinery as per the demand of farmers.

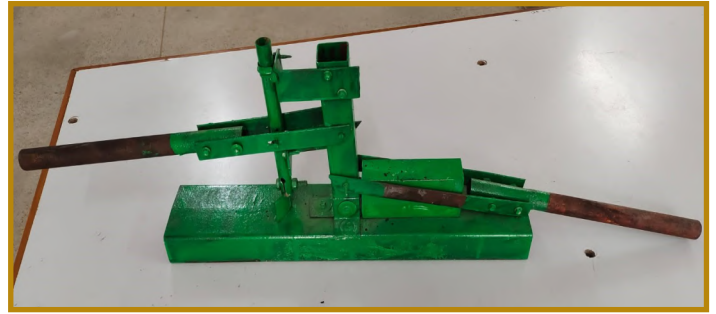
### Agribot Weeder

Agribot Weeder is a robot used in farming that can perform manual tasks such as weeding, and spray pesticides to reduce the use of tractors and other vehicles on the field. This Agribot removes weeds without the intervention of labors. A 12 V lead acid battery is used as a power source. The soil conditions are tested by temperature and humidity sensors. Object sensor is used in the vegetable garden to detect plants. The horizontal blades are replaced by vertical blades. Microcontroller is used to connect all these sensors, as well as the motor, wheels, and blades. A tank with a capacity of 2 liters is connected to a pump. This pump is further connected to sprayers. Agribot weeder can be a solution to the problems faced in fields and facilitate weeding for farmers.



## Sugarcane Budcutter Cum Chipper

This newly designed sugarcane bud cutter cum chipper can be used as a hand-press sugarcane cutter. To increase the production method a method called sugarcane chipping is used. When the handle is pressed with the help of the shaft and spring, the cutter moves to a downward slide bar and cuts the sugarcane bud. These buds are less bulky, easily movable, and additionally economical. The bud chip technology helps in the multiplication of recent cane varieties. The left-over cane may be used to make juice, sugar or jaggery.



## Our Future Plans

- **Paddy Dryer for Mushroom Production:** A dryer to dry the sterilized paddy straw, which can also be used as a growing medium for mushroom production. This dryer will eliminate the chances of cross-contamination during the natural drying of paddy straw after sterilization.
- **VERMICOMPOST SEPARATOR:** In vermicomposting, growth of the worms could be reduced by the temperature; which could affect the production of the compost. A vermicompost separator with rubber wheels will be developed to separate the compost from the earthworms. This separator will have a minimum rate of vibration during the separation process and will help to enhance the profit to the producers.



**Incharge: Mr. S. Sathish Kumar**

No. of Products Completed **01**

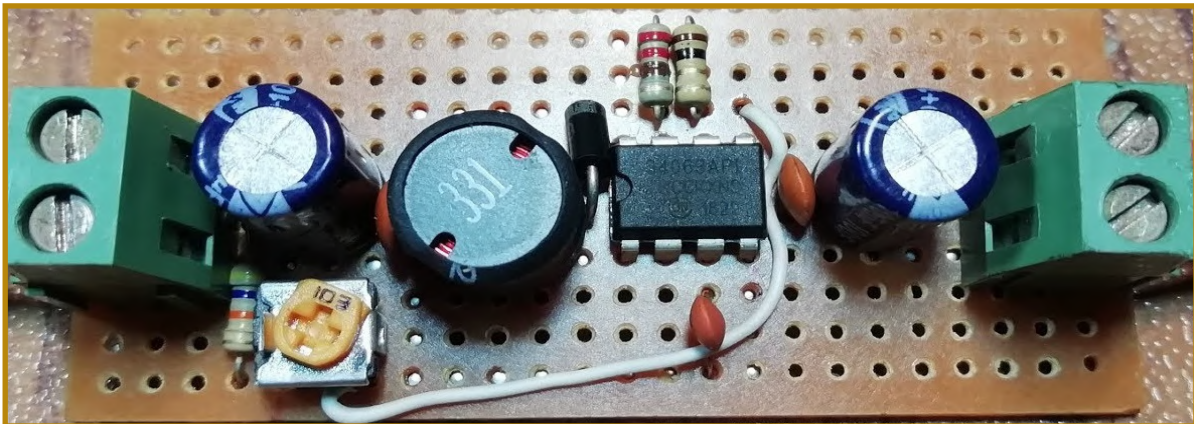
No. of Ongoing Products **02**

Contact : [sathishkumars@bitsathy.ac.in](mailto:sathishkumars@bitsathy.ac.in) | 9942130500

## Objective of the Firm:

To develop future technology in e-Mobility and all accessories required for e-Mobility on our campus. And to empower Electrical and Electronics Engineering students with technical skills.

## DC-DC Converter



The 150W 5A DC-DC buck converter is a type of power electronics device used to convert a higher voltage level 36V to a lower variable voltage level (0 - 36V) with high efficiency while delivering a maximum output power of 150 watts. It is a versatile and efficient power conversion solution used in various electronic and electrical applications to provide a regulated variable output from a higher voltage source (36V) while handling up to 5A of current.

## Our Future Plans

Developing BLDC Driver

**Incharge: Dr. L. Rajasekar**

**No. of Products Completed** 02

**No. of Ongoing Products** 01

Contact : rajasekarl@bitsathy.ac.in | 9600766788

## Objective of the Firm:

To offer world-class design services to numerous application areas, such as Embedded Systems, IoT, Embedded Vision and AI for the end-to-end development of electronic products.

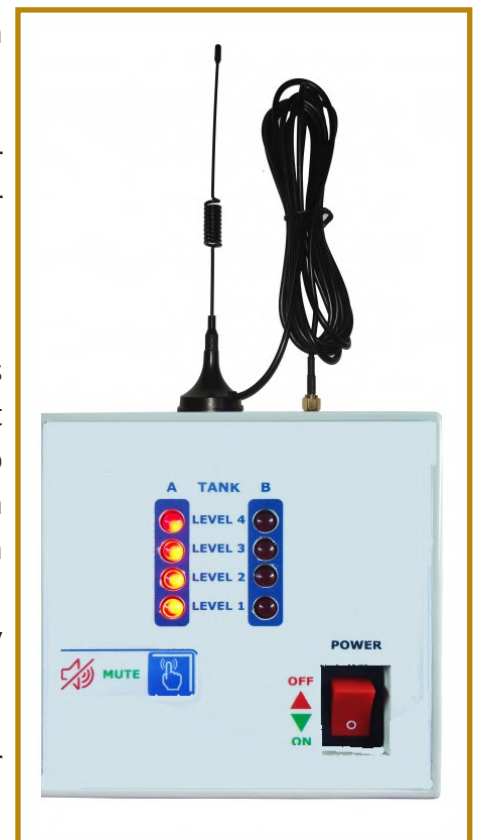
## Wireless Tank Level Monitoring System

A wireless tank-level monitoring system consists of two main components: a tank sensor and a monitoring device.

**Tank Sensor:** The tank sensor detects the level of the liquid or material inside the tank using a capacitive level sensor. The power flow activates the sensor, and the transmitter converts the measured level into a wireless signal.

**Monitoring Device:** The monitoring device receives the wireless signal from the tank sensor and displays the tank-level information. It includes a receiver to capture the wireless signal and an LEDGlow to present the tank-level information. It is employed with an alert system to notify users when the tank level reaches a certain threshold or in case of any abnormal conditions. The monitoring device will also log and store tank-level data over time and has additional connectivity options for data transfer and integration with other systems.

A wireless tank-level monitoring system allows the users to monitor the liquid or material level in tanks. The real-time data, alerts, and measurement history facilitate the users with efficient inventory management, process optimization, and preventive maintenance.



## Motion detected switch

A motion-detected switch is an embedded system that uses motion-sensing technology to detect human movement and control electrical devices or lighting systems. It offers convenience, energy efficiency, and automation in various settings. PIR motion sensors are incorporated to trigger the switch to detect motion and send signals to activate specific actions. It can turn lights on/off, adjust appliances, and provide hands-free control. Motion-detected switches are used in homes, offices, and outdoor areas to save energy by activating devices only when needed. This switch enhances safety, deters intruders, and improves user experience by eliminating manual operation.



## Our Future Plans

- Design Smart Gate to sense human body temperature, BITBOT-ROS and dispense face mask, and fabricate it within 03 months.
- Develop AI-driven grocery product recognition models for vending machines.



# FAB SOLUTION

**Incharge: Mr. K.N. Karthick**

**No. of Products Completed** 02

**No. of Ongoing Products** 02

Contact : [karthickkn@bitsathy.ac.in](mailto:karthickkn@bitsathy.ac.in) | 9952272735

## Objective of the Firm:

To be the top-notch provider of innovative and high-quality products and technical accessories designed by our seasoned professional members using state-of-the-art products and manufacturing processes.

### Kids Foldable Bicycle

Kids explore their residential premises by riding tricycles. KIDDO is a foldable tricycle, unlike a conventional tricycle. It is easy to accommodate and shall be changed into a bicycle easily. Kiddo's frames are made up of steel and aluminium for a secure frame. And the wheels are made up of rubber or plastic, concerning durability and stability. It also has a basket for storing small things and a bell or horn.



### EV Knuckle

STEERING KNUCKLE is one of the parts of the automotive steering system which contains wheel hubs or spindles to connect to a vehicle's suspension and steering components to transfer steering wheel movements to the front wheels. It is made up of high-quality aluminium alloy material with high strength for durability, wear-resistance and long service life. The steering knuckle comes in various sizes and designs depending on the application and types of suspension used in a vehicle. Within the framework of chassis design, a complex interface to control arms, brake calliper, axle drive shaft, and suspension strut, if applicable, must be precisely tuned to each other.



## Our Future Plans

The prototypes are tested under various conditions to generate ideas for improvement based on the consumers' needs. The elimination of the problems identified is underway. And the incorporation of efficient manufacturing steps will result in fast, sustainable processing of orders and with the help of reliable products, it garners better consumer support.

# FIRST CHOICE AIR CONDITIONING SOLUTIONS

**Incharge: Dr. R. Ravikumar**

**No. of Products Completed** 02

**No. of Ongoing Products** 04

**No. of Products Sold** 01

Contact : [ravikumarm@bitsathy.ac.in](mailto:ravikumarm@bitsathy.ac.in) | 9786079032

## Objective of the Firm:

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

## Vaccum chip frying machine



A vacuum fryer is a fryer that uses a low-pressure environment to fry food items, unlike a traditional fryer which uses hot oil to fry food items. A vacuum fryer works based on the combination of low pressure and a lower temperature. A vacuum is created by placing the food item inside the chamber and sealing it to remove the air. And then, oil is introduced to the chamber after bringing the vacuum temperature to 130-140 degrees Celcius. Now the chamber has low pressure because of which the boiling point of oil is also low and lets the food item fry in oil without being overcooked or burnt. The fried food item becomes crispier on the outside and tender on the inside. Vacuum frying is an effective and healthy way to fry fruits and vegetables to preserve nutrients and flavours, and it only requires less oil resulting in lower fat content of the fried food item.

## Solar Simulator

In this decade, the field of simulator design has witnessed significant advancements and sophisticated installations. Solar Simulator is a lamp which emits two air-mass beams of radiation with a flux of up to  $1100 \text{ w/m}^2$  at a distance of 10.5 m, uniform to 10% or better across an area of  $2.4 \text{ m}^2$  ( $5.76 \text{ m}^2$ ), perpendicular to the beam direction. The lamp's output power is decreased to half of its nominal full power without changing the geometric uniformity or the spectral distribution to achieve lower solar intensities. Altering the arc lamp filtering to a certain amount of spectral distribution control helps attain particular needs. The source is kept at a distance of  $30^\circ$  from the target collector to simulate the solar heights between  $0^\circ$  and  $30^\circ$  with the target collection at its normal angle to the horizontal.



## Our Future Plans

- Fabricate products based on the orders from poultry.
- Collect more orders related to refrigerators and AC service work.
- Work on PV power plant installation for homes and agricultural land.

**Incharge: Dr. Subrata Das**

No. of Products Completed **02**

No. of Ongoing Products **01**

Contact : [subratadas@bitsathy.ac.in](mailto:subratadas@bitsathy.ac.in) | 7676803049

## Objective of the Firm:

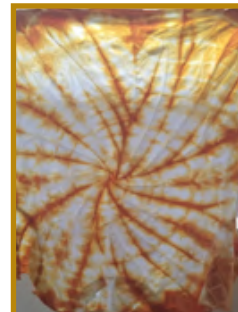
- To make creative handmade products
- To make environment friendly products
- To design and develop sustainable products that meets the unceasing future

## Paintings

Paintings are a form of visual art that captures the expression of ideas and emotions on a two-dimensional surface. Artists use the elements of shape, colors, line, tones, and textures in unique ways to produce paintings that convey sensations of movement, volume, space, and light conventionally on a flat surface.



## Tie and Dye T-Shirts



Tie-dye is a dyeing technique that consists of different processes. The process of tie-dyeing generally consists of folding, twisting, pleating, or crumpling fabric, before binding with string or rubber bands, followed by applying dye or dyes. T-shirts made from 100 percent cotton are the best option for tie-dyeing. Natural dyes from turmeric, cabbage, beetroot, and onion peel extract, are used.

## Tote Bag



Tote bag is a large open bag with two handles, often made of strong cloth. These bags are extremely useful on a daily basis. They are comfortable, spacious and come in an expansive range of styles that can be worn with any outfit. Tote bags are generally larger than other bags, and more durable.



## Our Future Plans

To design and develop Natural dye products like kid's frock & women's Kurtis

**Incharge: Mr. L. Gowrishankar**

**No. of Products Completed** 02

**No. of Ongoing Products** 02

Contact : [gowrishankar@bitsathy.ac.in](mailto:gowrishankar@bitsathy.ac.in) | 9487419225

## Objective of the Firm:

- To develop healthy food with fortified nutraceuticals
- To enhance the quality of functional food using the concept of waste to wealth
- To create a customer base through WhatsApp and other social networking sites.
- To develop app-based order and bill maintenance

## Gluten Free Biscuits

Gluten-free biscuits are a delectable and healthy alternative to traditional biscuits, specially crafted for individuals with gluten sensitivities and a gluten-free diet. The biscuits are made up of high-quality ingredients to meet the dietary needs of gluten-related dietary restrictions with no compromise in the taste and texture of the biscuits. The ingredients of the biscuits are rice flour, almond flour, flax seeds, and a blend of gluten-free grains. The biscuits are prepared in a way that they are low in carbohydrates and high in protein and fibre, resulting in a well-balanced diet and a healthy snacking choice. Precautionary measures are incorporated to avoid cross-contamination with nuts, dairy, and soy.



## Amaranth & Quinoa Delights

Amaranth & Quinoa Delights is a nutritious and flavourful snack crafted to offer a wholesome snacking experience. These delights are a combination of amaranth seeds and quinoa seeds. These seeds are filled with essential nutrients, such as protein, dietary fibre, vitamins and minerals. Maximum nutritional value is attained with the help of Amaranth seeds which are rich in proteins, and quinoa seeds which are



a complete source of plant-based protein. It's one of the better choices for on-the-go snacking as it is prepared in bite-sized portions. These biscuits get along well with dips, spreads and beverages. Amaranth and quinoa seeds are highly nutritious but underrepresented in mainstream diets, but they are excellent choices for health-conscious consumers.

## Our Future Plans

- Develop functional foods with antidiabetic activity.
- Create innovative products that address the growing demand for healthy, blood sugar-regulating options for individuals with diabetes or at risk of developing diabetes.
- Conduct market research to understand the target audience, including their preferences, needs, and purchasing behaviours related to antidiabetic functional foods.
- Conduct a thorough review of existing scientific literature and research studies related to functional foods with antidiabetic activity.
- Conduct internal sensory evaluations and taste tests to optimize the formulation and ensure palatability.
- Ensure compliance with labelling regulations, nutritional claims, and any specific guidelines related to functional food.
- Create a compelling brand identity that resonates with the target audience and communicates the antidiabetic benefits of functional foods.



**Incharge: Mr. S. K. Dhinesh**

**No. of Products Completed** 05

**No. of Ongoing Products** 02

Contact : Dhineshsk@nitsathy.ac.in | 9715367724

## Objective of the Firm:

- To design and fabricate a low-cost CNC based machines to match the needs 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.

## ASRS Robot for the 6 Axis Robot



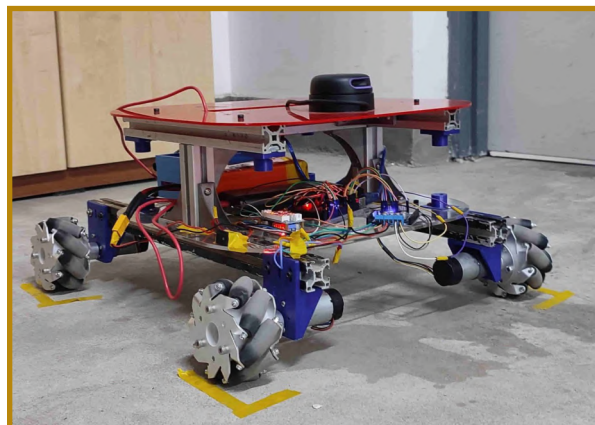
The ASRS (Automated Storage and Retrieval System) is a highly efficient solution designed specifically for the 6-axis Fanuc Robot. It integrates with the robot, enabling seamless communication and coordination. It offers a high storage capacity, optimizing storage efficiency in space-constrained environments with a compact footprint. The ASRS ensures swift and accurate material handling, maximizing productivity and thus leads to reduced human errors. The advanced robotic arm with six axes provides immense flexibility, allowing it to handle a wide range of materials and components. With the precision and reliability, ASRS for the 6-axis Fanuc Robot is a game-changer in automating storage and retrieval processes, revolutionizing the operations.

## 3D Printing Attachment for the 6 Axis Robot



3D Printing Attachment for the 6-axis Fanuc Robot revolutionizes the capabilities of additive manufacturing. This cutting-edge attachment seamlessly integrates with the robot, unlocking new possibilities for on-demand, precise, and efficient 3D printing. With six axes of motion, the robot delivers unparalleled flexibility and capability, enabling the creation of complex and intricate designs. The attachment supports extensive materials, allowing for versatile printing applications. Whether for rapid prototyping, customized production, or intricate designs, our 3D Printing Attachment empowers businesses to unleash their creativity, enhance productivity, and drive innovation in additive manufacturing.

## Indoor Path Planning Robot



The Indoor Path Planning Robot is a state-of-the-art solution designed for indoor navigation and maneuvering. The robot autonomously plans and optimizes its trajectory to efficiently navigate dynamic and cluttered spaces with advanced path-planning algorithms. The Indoor Path Planning Robot can detect and avoid obstacles in real-time, ensuring safe and collision-free operation with its robust sensors and perception capabilities. The robot's versatility allows it to adapt to various indoor settings, making it ideal for applications in warehouses, factories, hospitals, and other indoor environments. By automating material transportation or inspection tasks, our Indoor Path Planning Robot improves efficiency, reduces human effort, and enhances overall productivity.

## Laser Engraving Machine

Our Laser Engraving Machine, equipped with a powerful 5-watt diode laser, is a versatile and efficient solution for precise and high-quality engraving. It can engrave on extensive materials, including wood, acrylic, leather, and more by its advanced laser technology. The 5-watt diode laser ensures fast and accurate engraving, allowing for intricate designs and fine details. Its user-friendly interface and intuitive software make it easy to operate, while the robust construction ensures durability and reliability. Whether for personal use, small businesses, or industrial applications, our Laser Engraving Machine delivers exceptional results, making it a must-have tool for engraving enthusiasts and professionals alike.



## Package Delivery Drone

The Package Delivery Drone is a cutting-edge solution to revolutionize the logistics and transportation industry. It offers efficient and secure delivery of packages to various destinations with its advanced capabilities. The drone can autonomously plan and execute delivery routes, avoiding obstacles and ensuring timely arrivals with state-of-the-art navigation systems. Its robust design enables it to carry packages of varying sizes and weights, providing flexibility for delivery requirements. With a focus on safety and reliability, our Package Delivery Drone is equipped with redundant systems and advanced sensors to ensure secure and accurate deliveries.



## Our Future Plans

Our lab aims to stay at the forefront of 3D printing technology by regularly exploring and adopting the latest advancements in additive manufacturing. We will focus on improving the speed, precision, and scalability of our 3D printers, enabling us to create complex and intricate designs with higher efficiency. Additionally, we will invest in research and development to explore new materials and processes, expanding the range of applications for 3D printing in various industries. Drones are rapidly becoming an integral part of many industries, including agriculture, construction, logistics, and surveillance. In our lab, we plan to enhance our abilities in drone fabrication by developing more lightweight, durable, and efficient drone components. We will focus on improving flight endurance, payload capacity, and autonomy, allowing our drones to perform more complex tasks and operate in challenging environments. Besides, we will explore innovative designs, such as biomimetic drones inspired by nature, to optimize their performance and functionality. We will also explore areas like autonomous navigation, human-robot interaction, machine learning, and computer vision to create intelligent and versatile robots capable of performing complex tasks with high precision and reliability.

# SKY VIEW

**Incharge: Dr. D. Lakshmanan**

**No. of Products Completed** 02

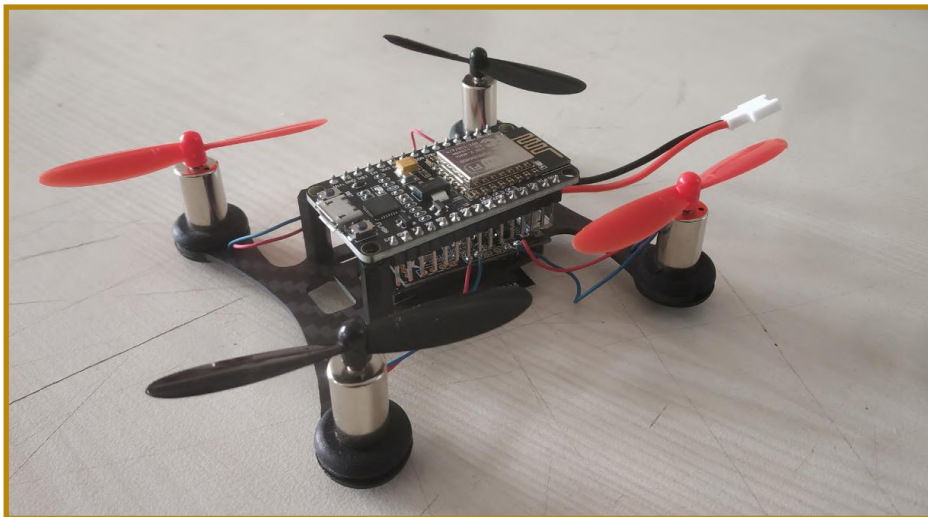
**No. of Ongoing Products** 01

Contact : lakshmanan@bitsathy.ac.in | 90474 64901

## Objective of the Firm:

The main aim of Sky View is to develop quality drone parts and provide expert drone services to meet customer requirements. We build drones 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 as per the needs. We also aim to provide intelligent solutions to the industry by promoting the usage of drones.

## Sky-Master - A Quadcopter



The Pilot-less Drone system consists of four rotors, a flight controller electronic on the center core airframe connected with motors, and a speed controller. It has the provision to adopt sensible cameras or sensors which can be tuned to any circumstances automatically to detect the target.

## Sky-View



This Drone system flies at 100m - 500m altitude for surveillance applications. It sends onboard navigation data such as vehicle acceleration and angular velocity for the position determination process. The Drone survives with onboard electronics in remote sensing areas such as dense forests and no signal areas.

## Our Future Plans

- The AI technology is analyzed to execute in the Drone controller. The programming unit will be filled with the concerning data to deliver the medicines and organs.
- The airframe design contains four rotors, flight control systems, and a payload-dropping mechanism for carrying and delivering medicines.

# SMILOBIO

**Incharge: Dr. M. Kirupa Shankar**

No. of Products Completed **01**

No. of Ongoing Products **01**

Contact : kirupasankarm@bitsathy.ac.in | 9994624674

## Objective of the Firm:

- To develop a healthy and quality product.
- To understand the significance of traditional food and cater to the needs of the consumers.

## Milk Adulteration

Active food contact materials absorb or release substances in order to improve the quality of packaged food or to extend its shelf life. Intelligent food contact materials monitor the condition of packaged food or the surrounding environment, for instance, by providing information on the freshness of the food. The innovative design of the bottle is used to detect the milk adulteration and keep the children safe.



## Our Future Plans

Collaborate with the vertical of garbage enzymes, which has a wide scope in converting waste into wealth thereby, switching to sustainable options.

# TRACE ROBOTICS

**Incharge: Dr. P. Senthil Kumar**

**No. of Products Completed** 01

**No. of Ongoing Products** 01

Contact : [senthilkumarp@bitsathy.ac.in](mailto:senthilkumarp@bitsathy.ac.in) | 7373562428

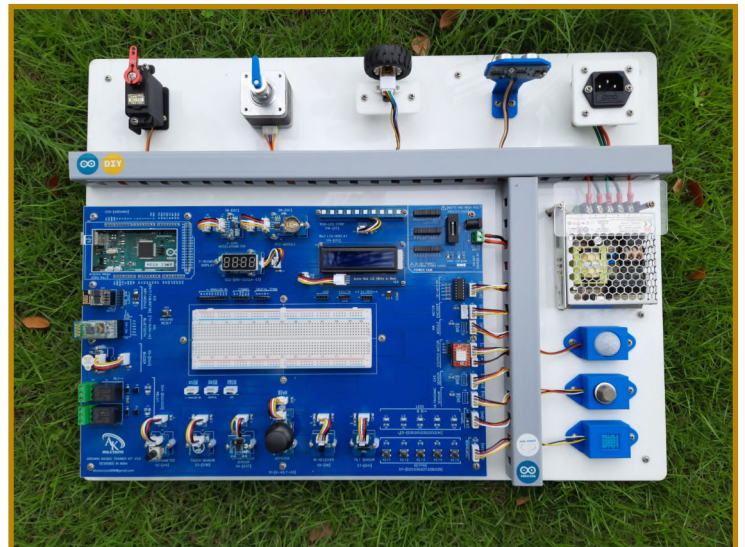
## Objective of the Firm:

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

## Embedded Trainer Kit

To understand the basics of embedded technology, Trace Robotics has developed a variety of solutions which includes development & training platform and interfacing modules.

Trace robotics also provides extensive learning material with solutions for better understanding. Working on these platforms will help users understand the imperative need for embedded systems in this electronic world and motivate users to work on them. Modern Technology has vastly developed the overall human existence and has increased the pace of human social progress. The major contribution to this modernization is Embedded Technology which has made everything happen much quicker and easier.



## Our Future Plans

To fabricate and commercialize SCARA Robot within the next academic year



# STUDENT'S STARTUP

## Our Mission

- To help people build the best version of themselves
- Make you a better person by 1% every day for completely free.
- Learning is a continuous process. So, being consistent for a more extended period is really hard. But, Consistency is the key to success. So, learning a new skill every day can take your learning powers to the next level. So, we solve this problem by making learning simple and fun. Learn what you really need to become a better person. You learn a new skill with the help of achievers who have already done it. Everything for completely free.

## Projects Completed

### The Complete CSS Mastery Course

The screenshot shows the Udemy course page for 'The Complete CSS Mastery Course'. The course is categorized under Development > Web Development > CSS. It has a 3.7 star rating from 123 ratings and 1,724 students. The course is created by 'Nesari Skills' and was last updated on 3/2/2022. The price is ₹649, which is a 75% discount from the original price of ₹2,599. There are 14 hours left at this price. The course includes 7.5 hours of on-demand video, 102 coding exercises, 2 practice tests, assignments, 11 articles, and 224 downloadable resources. The course also features a 30-day money-back guarantee.

**What you'll learn**

- ✓ You will Master CSS3.
- ✓ Master Chrome Developer Tools.
- ✓ Learn CSS in a Well Organized Way.
- ✓ Learn a new CSS Property in each and every section.
- ✓ Learn about CSS Property values using Examples.
- ✓ Learn About CSS Box-Model In Great Detail.
- ✓ Learn About The Transform Property With Examples.
- ✓ Be Able To Add Beautiful Shadows For Your Website.
- ✓ Master CSS Color Values.
- ✓ Master How CSS Units Work.
- ✓ Understand CSS with Real World Examples.
- ✓ Learn to Build Professional Looking Websites with CSS.
- ✓ Be Able to Build your own Dream Project with CSS.
- ✓ Master All The Position Property Values.
- ✓ Be Able To Create Simple Animations Using Transition Property.
- ✓ Master How Flexbox Works In CSS.

**This course includes:**

- 7.5 hours on-demand video
- 102 coding exercises
- 2 practice tests
- Assignments
- 11 articles
- 224 downloadable resources

The screenshot shows the SkillShare interface for a course titled "The Complete CSS Mastery Class - Build Your Dream Project". The course has 226 lessons totaling 7 hours and 41 minutes. The lesson list includes:

- 2. What is CSS? (2:25)
- 3. CSS Syntax (4:57)
- 4. VS CODE Installation (1:08)
- 5. CSS Summary (0:41)
- 6. The Three CSS Way (0:34)
- 7. Inline CSS (1:21)
- 8. Internal CSS (1:16)
- 9. External CSS (2:41)

A badge challenge is visible: "Earn a Complete a Class badge by completing all lessons. 4 of 226". The course title at the bottom is "The Complete CSS Mastery Class - Build Your Dream Project".

**Courses uploaded on** : Udemy and SkillShare  
**Number of students Enrolled** : 1774  
**Total Hours** : 7.5 hours

# The Complete Learning Mastery Course

**Udeemy** Categories  Udeemy Business Teach on Udeemy

Personal Development > Memory & Study Skills > Learning Strategies

## The Complete Learning Master Course

Learn How To Actually Learn

4.5 ★★★★★ (12 ratings) 159 students  
Created by [Alearn\\_Skills](#)  
Last updated 4/2022 English English [Auto]

**What you'll learn**

- ✓ Learn How To Learn.
- ✓ The Best Time To Learn.
- ✓ Improve Focus and Concentration.
- ✓ Remember What You Learned For A Longer Period Of Time.
- ✓ Set a Happy mindset.
- ✓ Recall And Revise What You Learn.
- ✓ Avoiding Distractions.
- ✓ The Fantasy Game Technique.
- ✓ The Power Of Teaching Others and much more.
- ✓ The Power Of Sleep In Learning.
- ✓ Learn the Magic of Meditation.
- ✓ Understand the concept faster than ever before.
- ✓ Importance of Rewards.
- ✓ Improving Creativity Through Visualization.
- ✓ Organize your workspace.
- ✓ Learn Through Beautiful Stories.
- ✓ Build Long-Lasting Learning Habits.

**₹449** ₹799 44% off  
5 hours left at this price!

30-Day Money-Back Guarantee

**This course includes:**

- 1 hour on-demand video
- 5 downloadable resources
- Access on mobile and TV
- Full lifetime access
- Certificate of completion

**SKILL SHARE** Browse Learning Paths  Teach My Classes

## The Complete Learning Master Class - Learn How To Actually Learn

Learn, Learn how to do the things you love. Follow

20 Lessons (55m)

1. Introduction 1:48
2. The Learning Problem 3:09
3. The Power Of Sleep 3:15
4. Early Morning Magic 2:09
5. Meditation 2:40
6. Learning Space 2:19
7. Happy! 3:38

Earn a **Complete a Class** badge by completing all lessons.  
1 of 20

Complete a Class Submit a Project Earn a Certificate

**Courses uploaded on** : Udeemy and SkillShare  
**Number of students Enrolled** : 220  
**Total Hours** : 1 hour

# The Complete Productivity Mastery Course

Udeemy Categories Search for anything Udeemy Business Teach on Udeemy Log in Sign up

Personal Development > Personal Productivity > Personal Productivity

## The Complete Productivity Master Course

Get More Things Done In The Least Amount Of Time

3.7 ★★★★★ (12 ratings) 226 students

Created by [Akshay Skills](#)

Last updated 3/2022 English English (Auto)

**What you'll learn**

- ✓ Learn about Productivity.
- ✓ Master the Power of Priority list.
- ✓ Improve Focus and Concentration.
- ✓ Building Great Habits.
- ✓ Mastering the Art of Visualization.
- ✓ Avoiding Distractions.
- ✓ Setting Great Goals.
- ✓ Learn the Magic of Meditation.
- ✓ Be a master in Managing Time.
- ✓ Importance of Rewards.
- ✓ Organizing your Workspace.
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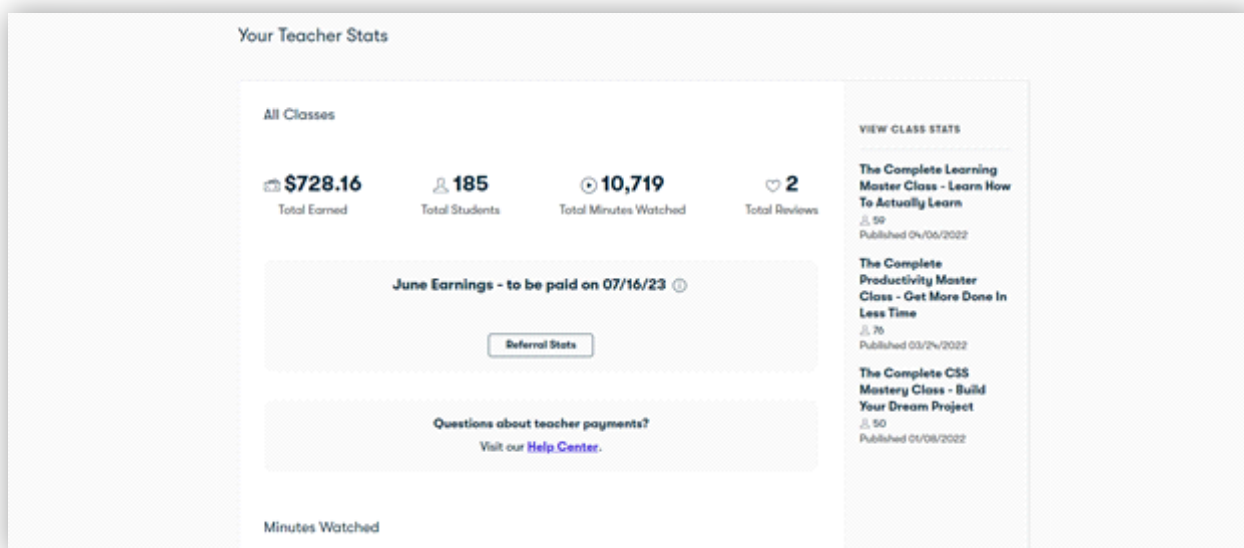
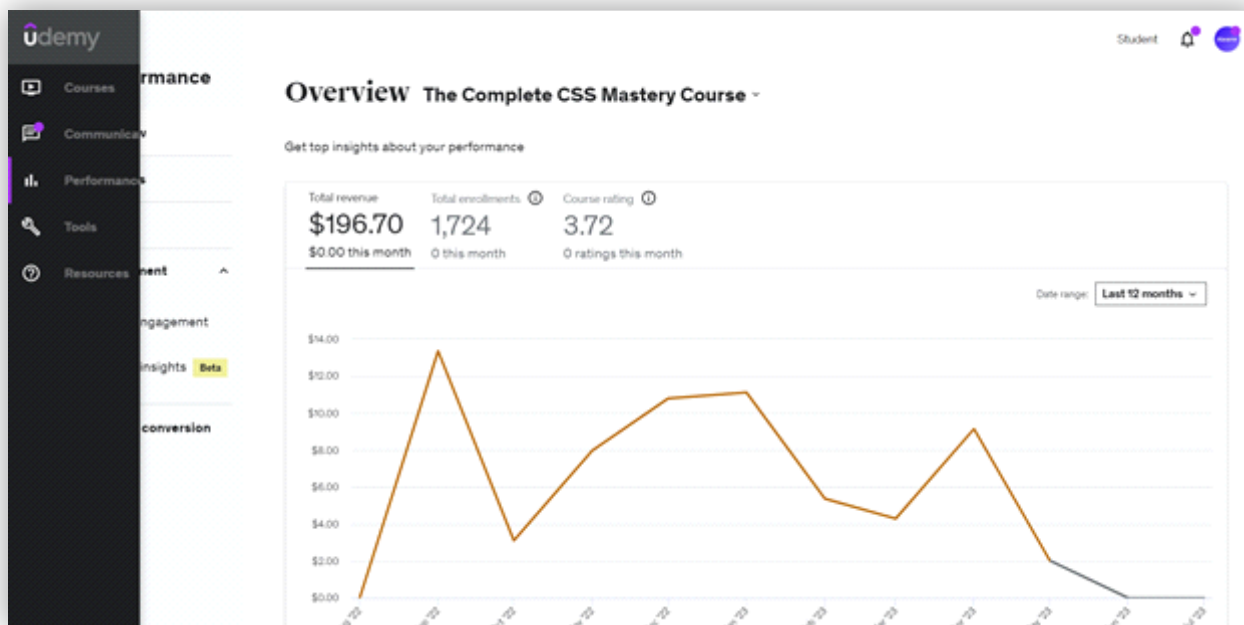
Courses uploaded on : Udeemy and SkillShare

Number of students Enrolled : 305

Total Hours : 1 hour

# Revenue Report

Total Revenue Generated : 72,910



# GEOJAY STRUCTURAL DESIGN

## Creating a sustainable and secure environment

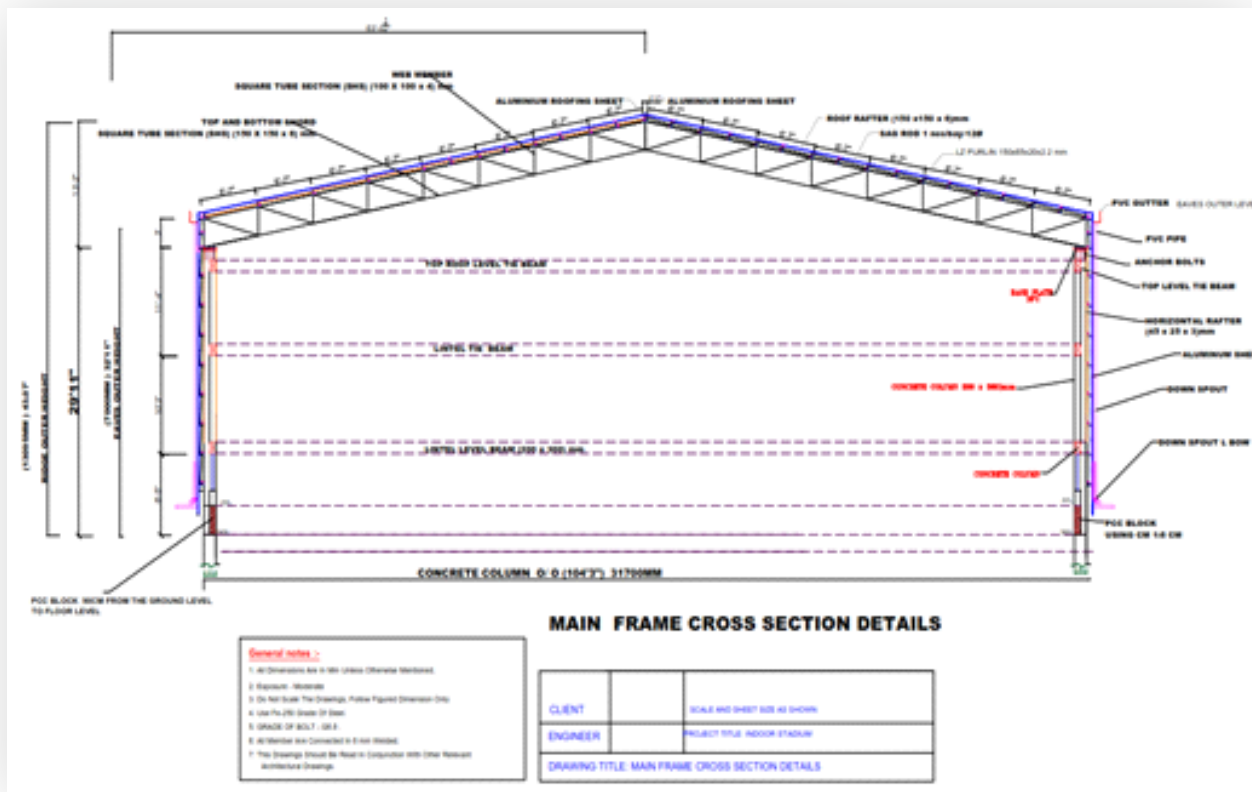
Members: Vignesh S (201CE147), Parthasarathy S (201CE132)

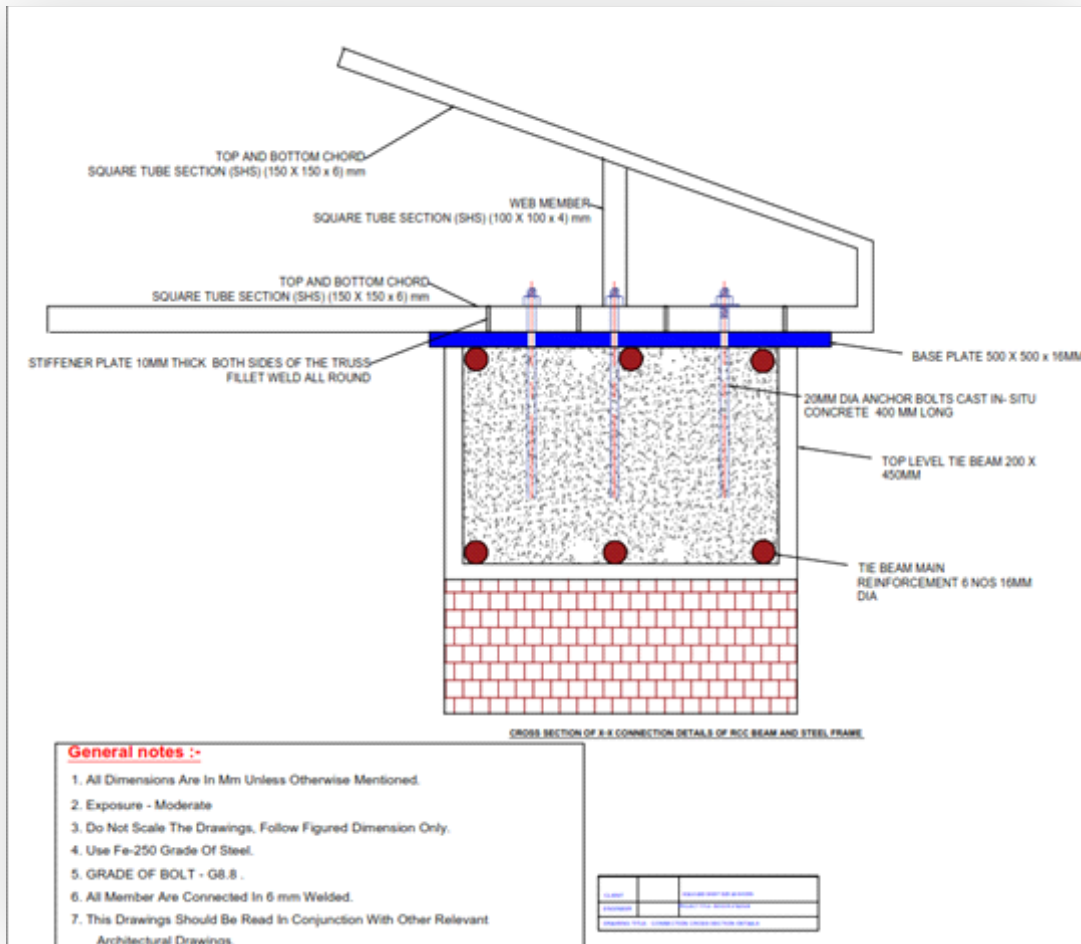
### Objective

The goal of structural design is to produce a building that is both functionally and aesthetically pleasing while also being a safe and effective structure that can withstand the loads and pressures exerted upon it.

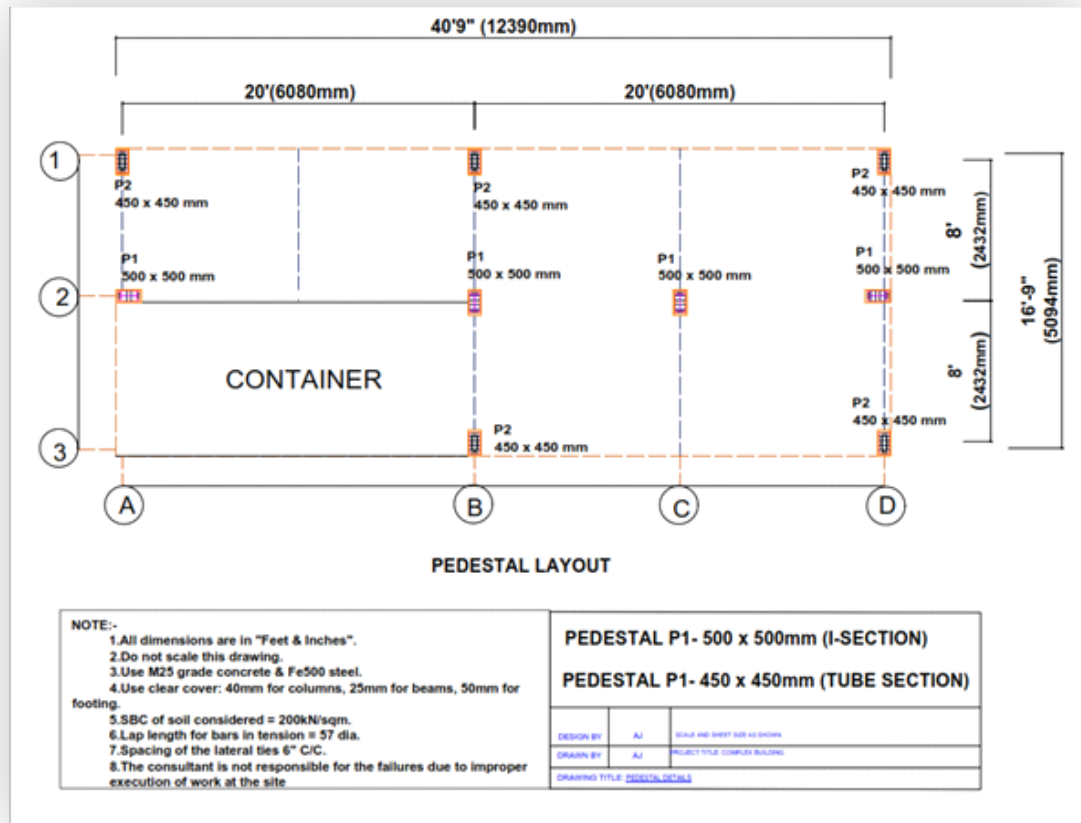
### Projects Completed

#### Indoor stadium project in Cochin

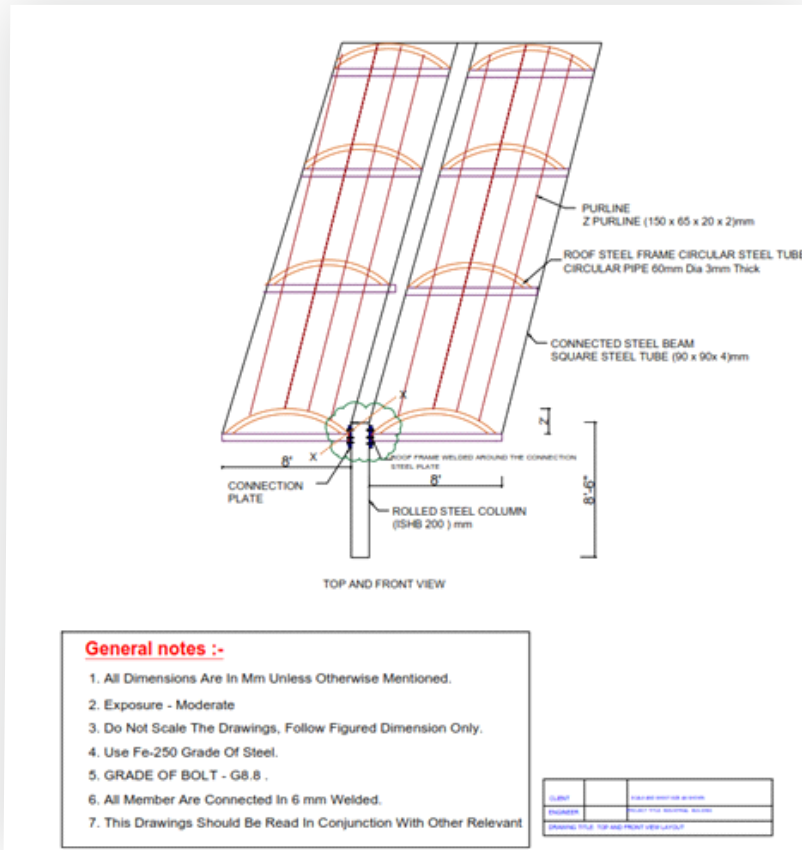




## Municipality Project in Cochin

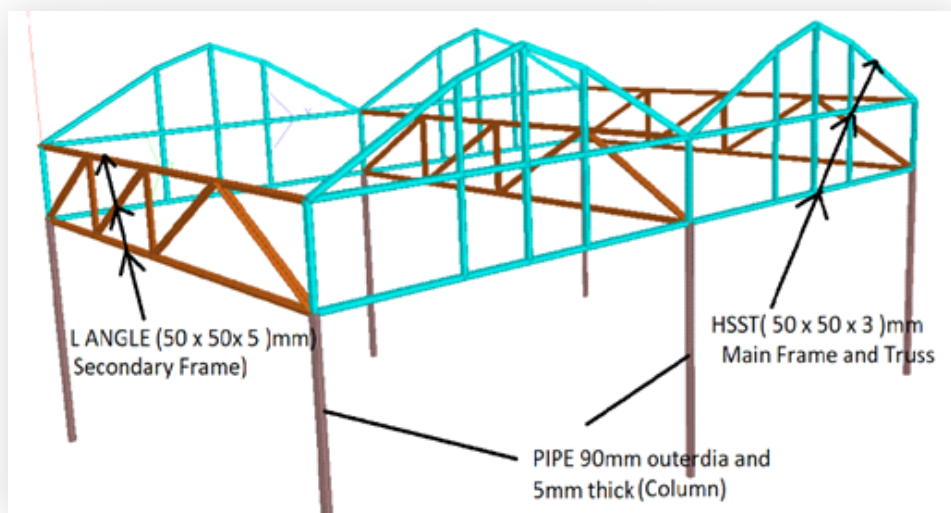




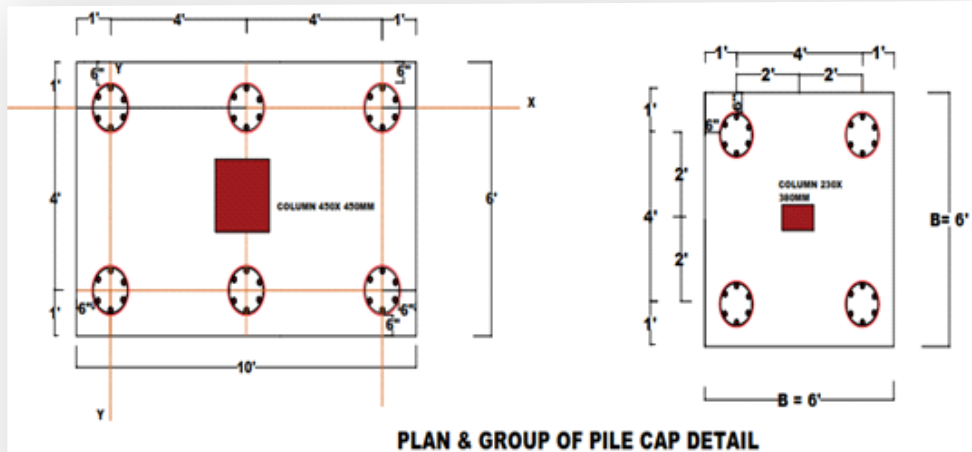


## Car parking project in Kuwait

Description	Preliminary Size (by Client)	Final Design Size
Column		PIPE 90mm Dia and 5mm thick
Main frame and truss	HSS (50 x 50 x 3 mm)	HSS 50 x 50 x 5 mm
Secondary frame and truss	L-Angle (50x50 x3)mm	L-Angle ( 50x50 x3)mm
Web	MS Flat (50 x 3mm)	L-Angle ( 50x50 x3)mm



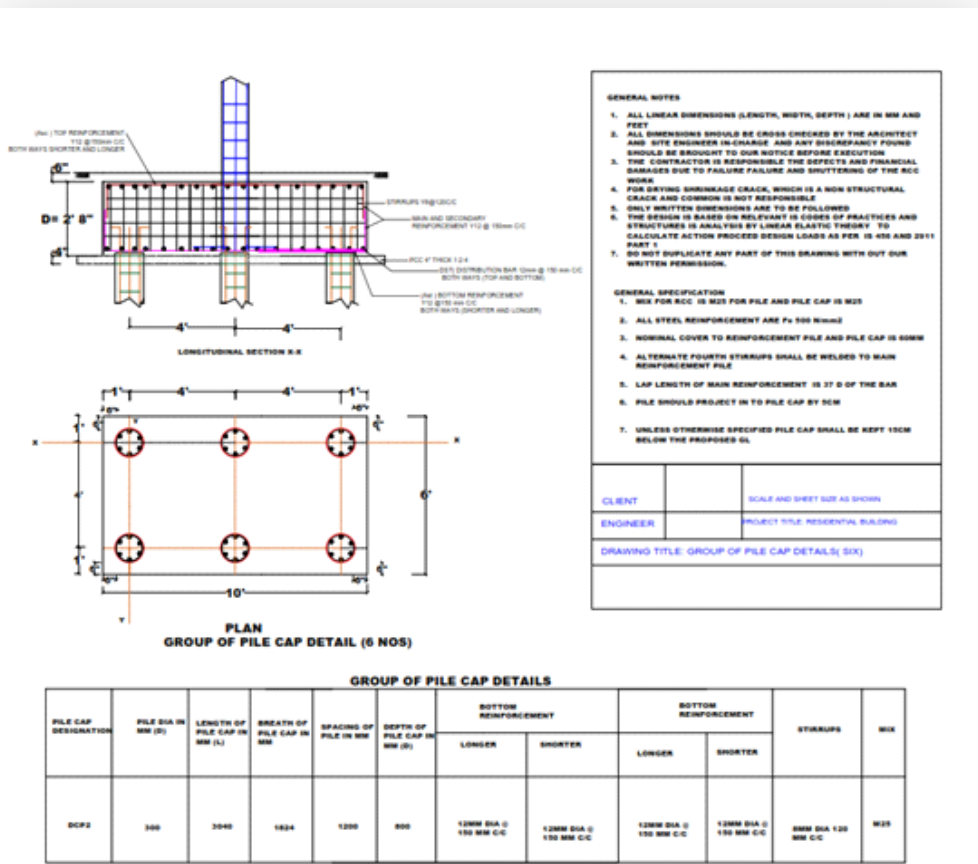
# Steel Structures in Rajasthan



**PLAN & GROUP OF PILE CAP DETAIL**

- GENERAL SPECIFICATION**
- MIX FOR RCC IS M25 FOR PILE AND PILE CAP IS M25
  - ALL STEEL REINFORCEMENT ARE Fe 500 N/mm<sup>2</sup>
  - NOMINAL COVER TO REINFORCEMENT PILE AND PILE CAP IS 60MM
  - ALTERNATE FOURTH STIRRUPS SHALL BE WELDED TO MAIN REINFORCEMENT PILE
  - LAP LENGTH OF MAIN REINFORCEMENT IS 37 D OF THE BAR
  - PILE SHOULD PROJECT IN TO PILE CAP BY 5CM
  - UNLESS OTHERWISE SPECIFIED PILE CAP SHALL BE KEPT 15CM BELOW THE PROPOSED GL

CLIENT	SCALE AND SHEET SIZE AS SHOWN
ENGINEER	PROJECT TITLE INDUSTRIAL BUILDING
DRAWING TITLE: PLAN & GROUP OF PILE CAP DETAIL	



- GENERAL NOTES**
- ALL LINEAR DIMENSIONS (LENGTH, WIDTH, DEPTH) ARE IN MM AND FEET
  - ALL DIMENSIONS SHOULD BE CROSS CHECKED BY THE ARCHITECT AND SITE ENGINEER IN-DRAWING AND ANY DISCREPANCY FOUND SHOULD BE BROUGHT TO OUR NOTICE BEFORE EXECUTION
  - THE CONTRACTOR IS RESPONSIBLE THE DEFECTS AND FINANCIAL DAMAGES DUE TO FAILURE FAILURE AND SHUTTERING OF THE RCC WORK
  - FOR DRYING SHRINKAGE CRACK, WHICH IS A NON STRUCTURAL CRACK AND COMMON IS NOT RESPONSIBLE
  - ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED
  - THE DESIGN IS BASED ON RELEVANT IS CODES OF PRACTICES AND STRUCTURES IS ANALYSIS BY LINEAR ELASTIC THEORY TO CALCULATE ACTION PROCEED DESIGN LOADS AS PER IS 456 AND 2011 PART 1
  - DO NOT DUPLICATE ANY PART OF THIS DRAWING WITH OUT OUR WRITTEN PERMISSION.

- GENERAL SPECIFICATION**
- MIX FOR RCC IS M25 FOR PILE AND PILE CAP IS M25
  - ALL STEEL REINFORCEMENT ARE Fe 500 N/mm<sup>2</sup>
  - NOMINAL COVER TO REINFORCEMENT PILE AND PILE CAP IS 60MM
  - ALTERNATE FOURTH STIRRUPS SHALL BE WELDED TO MAIN REINFORCEMENT PILE
  - LAP LENGTH OF MAIN REINFORCEMENT IS 37 D OF THE BAR
  - PILE SHOULD PROJECT IN TO PILE CAP BY 5CM
  - UNLESS OTHERWISE SPECIFIED PILE CAP SHALL BE KEPT 15CM BELOW THE PROPOSED GL

CLIENT	SCALE AND SHEET SIZE AS SHOWN
ENGINEER	PROJECT TITLE RESIDENTIAL BUILDING
DRAWING TITLE: GROUP OF PILE CAP DETAILS ( SIX )	

**GROUP OF PILE CAP DETAILS**

PILE CAP DESIGNATION	PILE DIA IN MM (Ø)	LENGTH OF PILE CAP IN MM (L)	BREATH OF PILE CAP IN MM	SPACING OF PILE IN MM	DEPTH OF PILE CAP IN MM (D)	BOTTOM REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS	MIX
						LONGER	SHORTER	LONGER	SHORTER		
DCP2	300	3040	1824	1200	800	12MM DIA @ 150 MM C/C	12MM DIA @ 150 MM C/C	12MM DIA @ 150 MM C/C	12MM DIA @ 150 MM C/C	8MM DIA 120 MM C/C	M25

# HARVEST H2O

## Aquaponics

Member: Ms. Navinashree C P (7376221EC240)

### Objective

Aquaponics Innovations is a startup dedicated to revolutionizing sustainable agriculture through the implementation of aquaponics systems. Our business idea is to design, build, and operate cutting-edge aquaponics facilities that integrate the cultivation of fish and plants in a symbiotic environment. By harnessing the power of aquaponics, we aim to provide a highly efficient and eco-friendly method of food production.

### VISION

Our vision is to create a world where agriculture is sustainable, resilient, and environmentally friendly. We envision a future where aquaponics becomes the norm, allowing communities to produce fresh, organic food locally, reducing the reliance on traditional farming methods that can deplete resources and harm the environment.

### MISSION

Our mission is to design and develop innovative aquaponics systems that maximize resource efficiency, promote biodiversity, and provide a consistent supply of nutritious food. We strive to empower individuals and communities by offering scalable and accessible solutions for sustainable agriculture, thereby contributing to global food security and environmental sustainability.

### Company Details

**Aquaponics(HARVEST H2O)** is dedicated to researching, developing, and implementing state-of-the-art aquaponics systems to meet the growing demand for sustainable food production.



## *We Make Marketing Simple*

*Dhanush M (201EE127), Jeslyn Hebziba R (201EE143), Akash S (201EE111),  
Abisheck G (201EE106)*

### About Zenexta

We are a Emerging Digital Marketing Agency, We are providing services for the people who seeks for marketing. And we do such as,

- **WEBSITE DESIGNING**
- **On-page SEO**
- **Copywriting**
- **FACEBOOK & IG ADS**
- **SOCIAL MEDIA MARKETING & MANAGEMENT**

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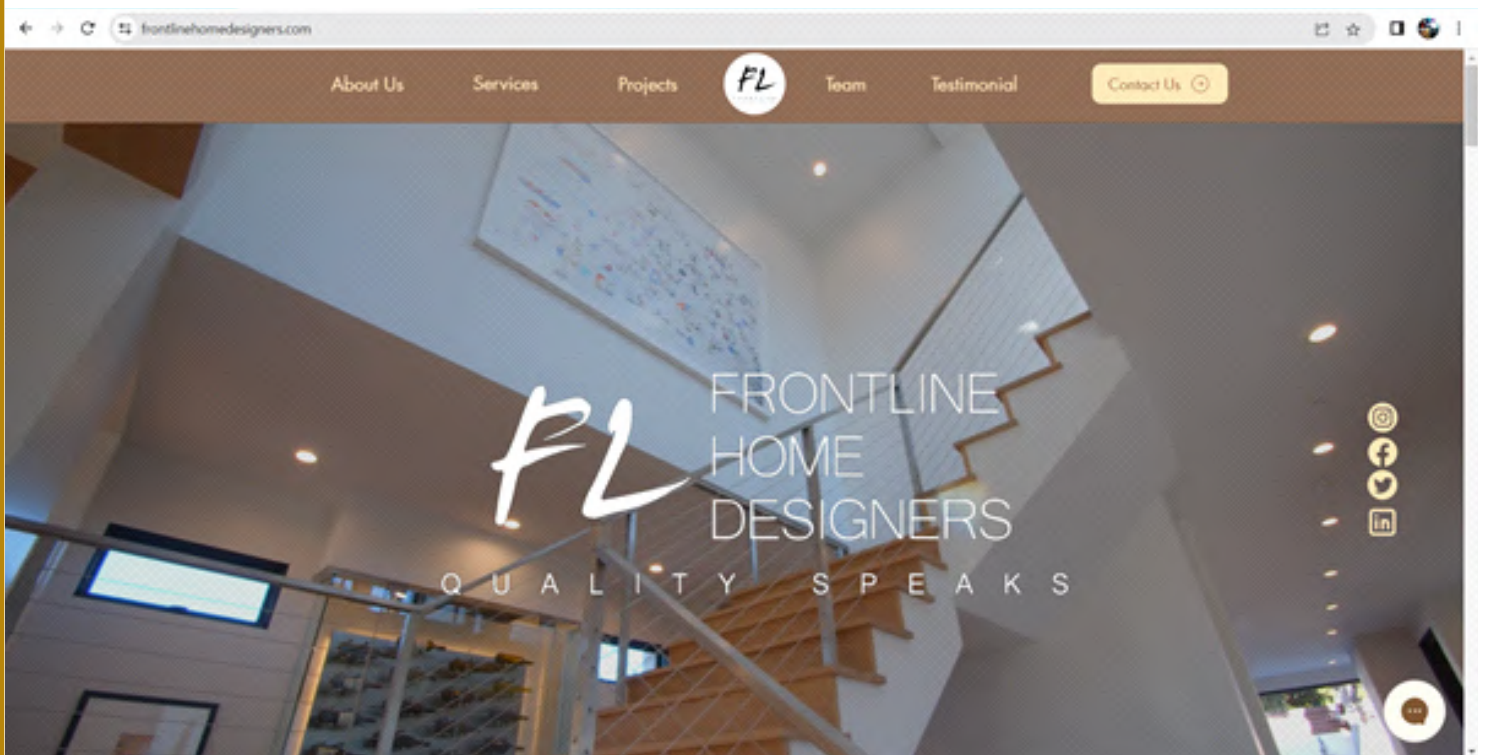
## We make marketing simple

At Zenexta, We are here to make marketing simple and efficient. We are here to design your Universe. We also got FREE plans too.

Learn more >

## Current Works

- We worked with an interior designing company to create a stunning professional website. The name of the company is "FRONTLINE HOME DESIGNERS" which is located at 5, Mill Road, samynathapuram, Gobichettipalayam, Tamil Nadu 638476.
- They are providing a unique solution for interior designing by including AR/VR technologies.
- We have created a website for them within a short period and also got approved from them.



- Client's Company: FRONTLINE HOME DESIGNERS
- Client's Website: <https://www.frontlinehomedesigners.com/>