

## VISAT ENGINEERING COLLEGE

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665
Approved by AICTE, Recognized by DTE Kerala
Affiliated to the APJ Abdul Kalam Technological University, TVM
Tel No: 0485 - 2259900 / Web: www.visat.ac.in / E-Mail: office@visat.ac.in

## **IEDC EVENTS**

1. TALK SESSION ON "INTRODUCTION TO IDEATION, INNOVATION AND INCUBATION"



Photo 1.1: Brochure of the event

Photo 1.2: Mr Abi Varghese, the resource person, lighting the lamp during the ceremony with other dignitaries

IEDC VISAT conducted a talk session on "Introduction to Ideation, innovation and incubation" on 31<sup>st</sup> March 2023 at the College Seminar hall. The resource person of the event was Mr Abi Varghese, Convener, Makerhub, Amal Jyothi IEDC. The morning session aims to provide an overview about ideation, innovation, entrepreneurship and incubation. It is an opportunity for us to bring new ideas to life and also provide a space for entrepreneurs to test their concept. The Afternoon session is dedicated to train newly elected IEDC panel members.

#### 2. WEBINAR ON "STARTUP: ISSUES & CHALLENGES

IEDC VISAT conducted a webinar on "STARTUP: ISSUES AND CHALLENGES" on 6<sup>th</sup> August 2020 at 10 am. The resource person of the day was Mr Varun P Nair, Founder and CEO Infiniz IT Solutions. During this session the resource person focused mainly on how Startups play a pivotal role in driving innovation, creating jobs and fostering economic growth and what are the common issues and challenges faced in this entrepreneur journey.

PRINCIPAL
VISAT ENGINEERING COLLEGE
(Affiliated to APJ AKT University)
(Affiliated to APJ AKT University)
Elanji, Ernakulam - 686 665

## VISAT ENGINEERING COLLEGE

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665 Approved by AICTE, Recognized by DTE Kerala Affiliated to the APJ Abdul Kalam Technological University, TVM Tel No: 0485 - 2259900 / Web: www.visat.ac.in / E-Mail: office@visat.ac.in



Photo 2.1: Brochure of the Event

## 3. INTERCOLLEGE WEBINAR ON "ROBOTICS & COMPUTER VISION"



Photo 3.1: Brochure of the Event



PRINCIPAL
VISAT ENGINEERING COLLEGE
(Affiliated to APJ AKT University)
(Affiliated to APJ AKT University)
Elemit. Ernakulam - 686 665

# VISAT

## VISAT ENGINEERING COLLEGE

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665
Approved by AICTE, Recognized by DTE Kerala
Affiliated to the APJ Abdul Kalam Technological University, TVM
Tel No: 0485 - 2259900 / Web: www.visat.ac.in / E-Mail: office@visat.ac.in

IEDC VISAT organised an Inter college webinar on "Robotics & Computer Vision" on 12<sup>th</sup> September 2020 (time: 10:00am to 11:00 am) where the audience were given a chance to know about robotics and given a chance to leap into the various advancements in the field like autonomous Robots works. The resource person of the day was Mr Vipulnath, Founder and CEO LEAP.

## 4. FOSS (FREE AND OPEN-SOURCE SOFTWARE) WORKSHOP



Photo 4.1 and 4.2: Asst. Professor Jestin Joy of FISAT taking FOSS Workshop for S3 CSE Students

The FOSS (Free and Open-Source Software) workshop was done by CSE Department on behalf of the Innovation and Entrepreneurship Development Cell (IEDC) of VISAT, in association with

PRINCIPAL
PRINCIPAL
VISAT ENGINEERING COLLEGE
(Affiliation to AFT AKT University)

## VISAT ENGINEERING COLLEGE

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665 Approved by AICTE, Recognized by DTE Kerala Affiliated to the APJ Abdul Kalam Technological University, TVM Tel No: 0485 - 2259900 / Web: www.visat.ac.in / E-Mail: office@visat.ac.in

the International Centre for Free and Open-Source Software (ICFOSS) for S3 students. The workshop was taken by Asst. Professor Jestin Joy of FISAT. The two-day workshop on "FOSS" was conducted on 26th and 27th of October 2018.

### 5. ROBOTICS WORKSHOP

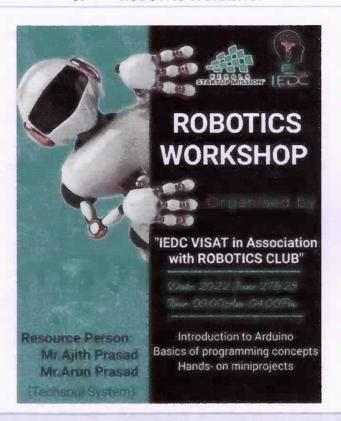


Photo 5.1: Brochure of the Event

IEDC VISAT in association with "ROBOTICS CLUB" organised a two-day Robotics Workshop on 27th and 28th June 2022 (Time: 9:00 am to 4:00pm). The resource persons were Mr Ajith Prasad and Mr Arun Prasad from Techsoul System.

Emphysam PRINCIPAL

A Hilliated to AP I AKT University

Elapit Emphysical Emp

## VISAT ENGINEERING COLLEGE

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665
Approved by AICTE, Recognized by DTE Kerala
Affiliated to the APJ Abdul Kalam Technological University, TVM
Tel No: 0485 - 2259900 / Web: www.visat.ac.in / E-Mail: office@visat.ac.in

### 6. IDEATHON 2021



VISAT organised Ideathon 2021 from January 11th to January 15th. This event created a platform for students to enhance their innovation skills and create ideas for various technical startups.

### 7. R PROGRAMMING WORKSHOP

IEDC VISAT organised an R Programming Workshop in collaboration with the Department of Computer Science Engineering. This workshop was mainly dedicated to S6 CSE as it is a part of the syllabus. The resource person of the event was DR. Bindu Krishnan, Senior Statistician, Data & AI, IBM India Software Labs.



## VISAT

## VISAT ENGINEERING COLLEGE

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665
Approved by AICTE, Recognized by DTE Kerala
Affiliated to the APJ Abdul Kalam Technological University, TVM
Tel No: 0485 - 2259900 / Web: www.visat.ac.in / E-Mail: office@visat.ac.in





Photo 7.1: Brochure of the Event

Photo 7.2: S6 CSE Students attending the R Programming workshop

### 8. TALK SESSION - ENTREPRENEURIAL JOURNEY



Photo 8.1: Brochure of the Event



PRINCIPAL PRINCERING COLLEGE VISAT ENGINEERING COLLEGE VISAT ENGINEERING COLLEGE VISAT UNIVERSITY



## VISAT ENGINEERING COLLEGE

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665

Approved by AICTE, Recognized by DTE Kerala

Affiliated to the APJ Abdul Kalam Technological University, TVM

Tel No: 0485 - 2259900 / Web: www.visat.ac.in / E-Mail: office@visat.ac.in

IEDC VISAT organised an online talk session on "Entrepreneurial journey and motivation" By Aiju T Biju, CEO , Wecodelife

## 9. Orientation – INTRODUCTION TO IEDC

IEDC VISAT organised and orientation session for students about IEDC on 31<sup>st</sup> October 2022 (Time: 1pm to 4pm). The session by Mr Stervin John gave students a clear idea on IEDC and it's role in helping students to convert their business ideas into startups and also, he shared his personal experience in building up his startup. It was a great inspiration for the students.

The programme also included ice breaker sessions which engaged the students in many fun activities.



Photo 9.1: Brochure of the Event

Photo 9.2: Mr. Stervin John giving an orientation session on IEDC



PRINCIPAL
VISAT ENGINEERING COLLEGE
(Affiliated to APJI AKT University)
Elanji, Ernakulani - 660 555

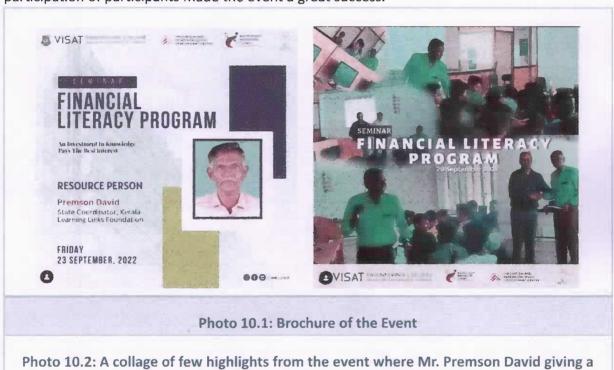


## VISAT ENGINEERING COLLEGE

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665
Approved by AICTE, Recognized by DTE Kerala
Affiliated to the APJ Abdul Kalam Technological University, TVM
Tel No: 0485 - 2259900 / Web: www.visat.ac.in / E-Mail: office@visat.ac.in

#### 10. SEMINAR ON "FINANCIAL LITERACY PROGRAM"

Financial literacy is important because it equips us with the knowledge and skills we need to manage money effectively. Without it, our financial decisions and the actions we take—or don't take—lack a solid foundation for success. The session was delivered by Mr. Premson David (State Coordinator, Kerala Learning Links Foundation) on 23<sup>rd</sup> September 2022. The active participation of participants made the event a great success.



## 11. WEBINAR ON INNOVATION, INCUBATION & ACCELERATION

seminar on financial literacy to the students

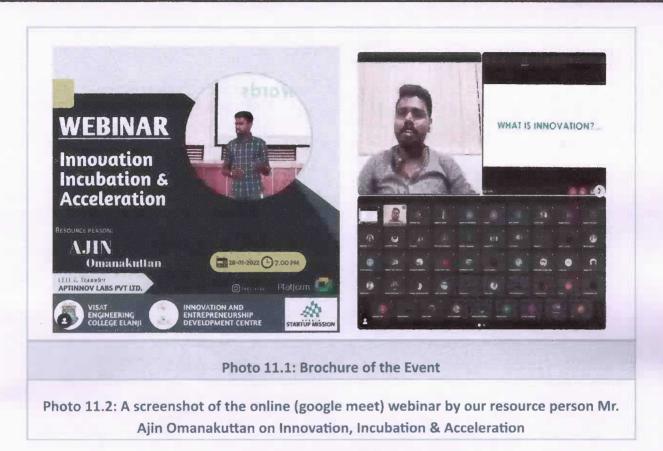
IEDC VISAT organised a webinar via google meet on Innovation, Incubation & Acceleration on 28<sup>th</sup> January 2022 (Time: 7pm to 8pm IST). The session was delivered by Mr. Ajin Omanakuttan (CEO & Founder of Aptinnov Labs Pvt Ltd.). The session consisted of Entrepreneurship talk, Registration of Startups and Possible Funding schemes.



VISAT ENGINEERING COLLECT (Affiliated to APJ AKT University) Elanii, Ernakulam - 656 565

## VISAT ENGINEERING COLLEGE

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665
Approved by AICTE, Recognized by DTE Kerala
Affiliated to the APJ Abdul Kalam Technological University, TVM
Tel No: 0485 - 2259900 / Web: www.visat.ac.in / E-Mail: office@visat.ac.in



### 12. 3 DAY WORKSHOP ON "PYTHON"

IEDC VISAT organised the 3 Day Workshop, from May 31<sup>st</sup> 2021 to June 2<sup>nd</sup> 2021 (Time: 10am to 11am), on \*PYTHON\* which is one of the top leading developer languages in this world. The resource persons of the event were Mr Justin Joseph (Chief Technical Officer, IEDC VISAT) and Ms Aswathy Suresh (Chief Financial Officer, IEDC VISAT).



PRINCIPAL
VISAT ENGINEERING COLLEGE
(Affiliated to APJ AKT University)
Elanji, Ernakulam - 534

# VISAT

## VISAT ENGINEERING COLLEGE

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665
Approved by AICTE, Recognized by DTE Kerala
Affiliated to the APJ Abdul Kalam Technological University, TVM
Tel No: 0485 - 2259900 / Web: www.visat.ac.in / E-Mail: office@visat.ac.in



## 13. 3 DAY WORKSHOP ON ROBOTICS

IEDC VISAT in association with Kerala Startup Mission (KSUM) organised a 3 Day Workshop (with certificates) on Robotics on May 24<sup>th</sup>, 25<sup>th</sup>, 26<sup>th</sup>, 2021 (Time: 10am to 11am). The Resource Person of the event was Akash Joseph (CEO & Founder, SPACE). During this session the audience got to know about Robotics in general and it's advancements like AI integration, applications in various fields like healthcare, manufacturing and space explorations.

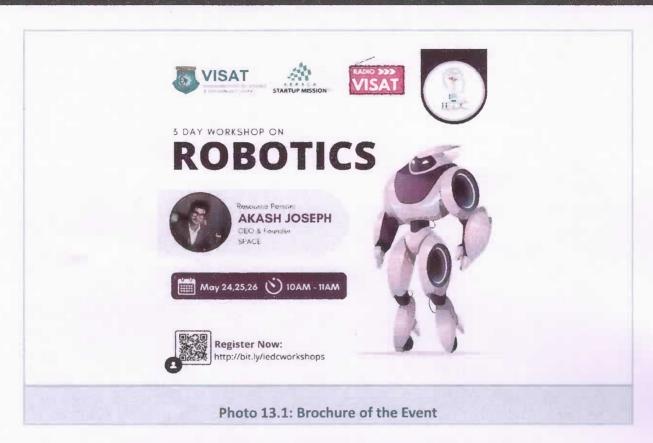


VISAT ENGINEERING COLLEGE (Affiliated to APJ AKT University) (Affiliated to APJ AKT University) Elanji, Ernakulam - 686 665

# VISAT

## VISAT ENGINEERING COLLEGE

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665 Approved by AICTE, Recognized by DTE Kerala Affiliated to the APJ Abdul Kalam Technological University, TVM Tel No: 0485 - 2259900 / Web: www.visat.ac.in / E-Mail: office@visat.ac.in



## 14. INTERCOLLEGE WEBINAR ON INDUSTRIAL AUTOMATION

IEDC VISAT organised the webinar (with certificates) on Industrial Automation on 17<sup>th</sup> April 2021, Saturday (Time: 10AM to 11AM) via Google Meet. In this session the audience were enlightened how the modern era technology has created a drastic and efficient change in the Industrial sector and how the implementing robots and machines for industrial processes can change the face of the Industrial World.



## VISAT ENGINEERING COLLEGE

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665
Approved by AICTE, Recognized by DTE Kerala
Affiliated to the APJ Abdul Kalam Technological University, TVM
Tel No: 0485 - 2259900 / Web: www.visat.ac.in / E-Mail: office@visat.ac.in



### 15. INTER-COLLEGE WEBINAR ON MACHINE LEARNING

IEDC VISAT organised the inter-college webinar on \*MACHINE LEARNING\* on 26<sup>th</sup> September 2020 (Time: 10am to 11am) via google meet. The resource person of the event was Ms Jesna Joseph, Chief Al Engineer, LEAP.

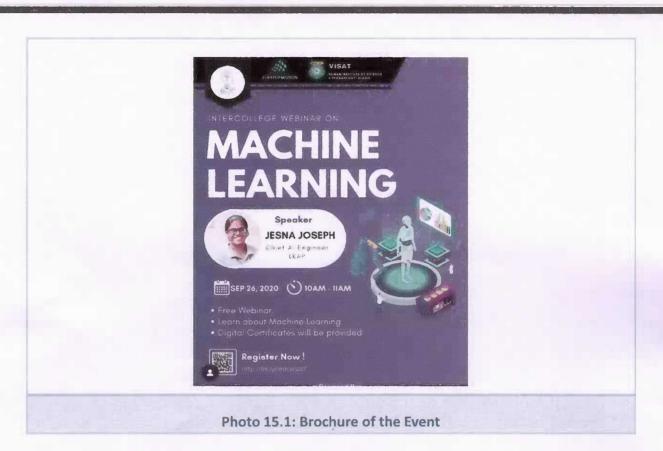


PRINCIPAL
VICAT ENGINEERING COLLEGE
VICAT EN

# VISAT

## VISAT ENGINEERING COLLEGE

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665
Approved by AICTE, Recognized by DTE Kerala
Affiliated to the APJ Abdul Kalam Technological University, TVM
Tel No: 0485 - 2259900 / Web: www.visat.ac.in / E-Mail: office@visat.ac.in



### 16. INTERCOLLEGE WEBINAR ON "INDUSTRIAL IOT & ARTIFICIAL INTELLIGENCE"

IEDC VISAT organised an inter-college webinar on "Industrial IOT & Artificial Intelligence" on 19<sup>th</sup> September 2020 (Time: 10am to 11am) via google meet. The resource person of the event was Mr Rahul P H, Robotics Engineer, SMEC.



PRINCIPAL
VISAS ENGINEERING COLLEGE
VISAS ENGINEERING COLLEGE
(Assulated to APJ AKT University)
Elant Ernakulam - 606 615

## VISAT ENGINEERING COLLEGE

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665
Approved by AICTE, Recognized by DTE Kerala
Affiliated to the APJ Abdul Kalam Technological University, TVM
Tel No: 0485 - 2259900 / Web: www.visat.ac.in / E-Mail: office@visat.ac.in



## 17. Drone Ideathon & Workshop: Innovative Idea Pitching Competition

Introduction: The Drone Ideathon, hosted at VISAT Engineering College, brought together a diverse group of innovators and technology enthusiasts to explore and develop groundbreaking ideas in the field of drone technology. This report encapsulates the key highlights, innovations, and outcomes of the event, which was attended by three enthusiastic teams.

Date: 27/07/2023

Location: VISAT Engineering College, Elanji

Participants: Three teams participated in the Drone Ideathon event, each with a unique and innovative drone-related idea. The teams were composed of students who were passionate about drone technology.

Team 1: Idea: Drone-gpt

Team Members: Amal Suresh P, Jacob Ninan Raju, Jevin R Mathew



## VISAT ENGINEERING COLLEGE

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665 Approved by AICTE, Recognized by DTE Kerala Affiliated to the APJ Abdul Kalam Technological University, TVM Tel No: 0485 - 2259900 / Web: www.visat.ac.in / E-Mail: office@visat.ac.in

Team 2: Idea: IoT Based Search and Rescue Drone

Team Members: Karthik K P, Sreehari K

Team 3: Idea: Wildlife monitory

Team Members: Abhimanyu Saji, Jayakrishnan C S



Photo 17.1: Brochure of the Event

Event Highlights: The Drone Ideathon event was a platform for creative thinking, collaboration, and innovation in the field of drone technology. Here are some of the event's highlights:

Idea Pitches: Each team presented their innovative drone-related ideas, showcasing their creativity and technical knowledge. The ideas ranged from drone applications in agriculture to

search and rescue missions.

VISAT ENGINEERING COLLEGE (Affiliated to APJ AKT University) Elanji, Ernakulam - 686 665

## VISAT ENGINEERING COLLEGE

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665
Approved by AICTE, Recognized by DTE Kerala
Affiliated to the APJ Abdul Kalam Technological University, TVM
Tel No: 0485 - 2259900 / Web: www.visat.ac.in / E-Mail: office@visat.ac.in

- · The event provided a platform for creative thinking and innovation in drone technology.
- · Teams had the opportunity to collaborate and showcase their ideas in the field.
- Each team presented their unique drone-related concept, highlighting the diversity of ideas in drone technology.
- The event likely included presentations, demonstrations, or pitches from the teams to showcase their ideas and prototypes.
- · It may have featured expert judges or mentors who provided valuable feedback to the teams.
- Attendees could have gained insights into the current trends and developments in drone technology.
- Networking opportunities might have been available for participants to connect with others in the industry.
- The event likely aimed to promote the application of drone technology in various domains, such as wildlife monitoring and search and rescue operations.

Overall, it sounds like a fantastic event that encouraged innovation and collaboration in the field of drone technology. Each team's idea brings its own unique perspective and potential to the table, which reflects the diversity of applications for drones in today's world.

## Conclusion

The Drone Ideathon event at VISAT Engineering College was a resounding success, fostering innovation and collaboration among the participants. The event provided a platform for aspiring drone enthusiasts to showcase their creativity, technical skills, and entrepreneurial spirit.

The winning teams not only received recognition and prizes but also had the opportunity to further develop their ideas and potentially bring them to the market, contributing to the advancement of drone technology and its applications in various industries.

This event serves as a testament to the potential of young minds to drive technological advancements, and it is hoped that future editions of the Drone Ideathon will continue to inspire innovation in the field of drones.

PRINCIPAL

BAT ENGINEERING COLLEGE

Affiliated to APJ AYT University)

Elani, Ernakulam - 688 685



Ernakulam, Kerala – 686 665 (An ISO 2018: 21001 Certified Institution)

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## Patent File

SI No	Name of Student/Faculty	Title of Patent	Reference no	Status
1	Sonu Sunil, Hima.K, Dr. TD Subash	IOT Based Self Charging E- Rickshaw for differently abled persons	202341007748	Filed
2	Sonu Sunil,Rahul KR,Anjana G, Dr.TD Subash	IOT Based Self Charging E- Rickshaw for differently abled persons	387003-001	Filed







## **Design Application Details**

**Application Number:** 

387003-001

Cbr Number:

**Cbr Date:** 

24/05/2023 19:12:42

**Applicant Name:** 

1. Mr. Sonu Sunil

2. Dr. Subash T D

3. Mr.Rahul K.R

4. Mr. Pranav P

5. Ms. Anjana G

6. Mr. Sreeraj C R

Design Application Status

**Application Status:** 

Application Under Process(wating for Technical Examination)

Back



PRINCIPAL
PRINCIPAL
VISAT ENGINE RING COLLEGE
VISAT ENGINE RING AKT UNIVERSITY)
(Affiliated to A VIAKT UNIVERSITY)

## FORM 1 THE PATENTS ACT, 1970 (39 of 1970)

&

THE PATENTS RULES, 2003 APPLICATION FOR GRANT OF PATENT

[See sections 7,54 & 135 and rule 20(1)]

## (FOR OFFICE USE ONLY)

Application No.: .....

Filing Date: .....

Amount of Fee Paid: .....

CBR No.: .....

Signature: .....

## 1. APPLICANT(S):

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
1	Subash T D	India	16-98, S/O: THANKAMANY, CHITHARAL, EDAYANATHUVILAI, VILAVANCODE, KANNIYAKUMARI,, KANNIYAKUMARI, TAMIL NADU, INDIA, 629151	India	Tamil Nadu	00	
2	Radhika R	India	Lakshmivilasam Mekkad p.o 683589	India	Kerala	Ernakulam	Angamally

## 2. INVENTOR(S):

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
1	Anisha Jayadevan	India	Mattakkattu House Koothattukulam PO Kozhippilly	India	Kerala	Ernakulam	Koothattukulam
2	Vyshakh.S.Anil	India	Sreenivas House Muthalakodam P.O Arpamattom	India	Kerala	Idukki	Thodupuzha
3	Gopika G	India	Madavamandiram House kumaranalloor p.o kottayam	India	Kerala	Kottayam	Kottayam
4	Subash T D	India	16-98, S/O: THANKAMANY, CHITHARAL, EDAYANATHUVILAI, VILAVANCODE, KANNIYAKUMARI,, KANNIYAKUMARI, TAMIL NADU, INDIA, 629151	India	Tamil Nadu	00	
5	Radhika R	India	Lakshmivilasam Mekkad p.o 683589	India	Kerala	Ernakulam	Angamally

3. TITLE OF THE INVENTION: Experimental Investigation on Super Performance Interlocking Tiles

PRINCIPAL COLLEGE

PRINCIPAL COLLEGE

VISAT ENGINEERING COLLEGE

VISAT ENGINEERING APJ AKT University

VISAI ENGINEERING COLLEGEY)
(Affiliated to APJ AKT University) Ernakulam - 686 665

## 4. ADDRESS FOR CORRESPONDENCE OF APPLICANT / AUTHORISED PATENT AGENT IN INDIA:

Radhika R Assistant Professor Department of Civil Engineering VISAT Engineering College, Elanji Mutholapuram PO Pin: 686665

Telephone No.:

Fax No.:

Mobile No: 9496074246

E-mail: asst-prof-radhika@visat.ac.in

## 5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:

Sr.No. Country Applica Numb	Elling Hate	Name of the Applicant	Tilte of the Invention
-----------------------------	-------------	-----------------------	------------------------

## **6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:**

International Application Number	International Filing Date as Allotted by the Receiving Office
PCT//	

#### 7. PARTICULARS FOR FILING DIVISIONAL APPLICATION

Original (first) Application Number	Date of Filing of Original (first) Application

## 8. PARTICULARS FOR FILING PATENT OF ADDITION:

Main Application / Patent Number:	Date of Filing of Main Application

## 9. DECLARATIONS:

## (i) Declaration by the inventor(s)

I/We ,Anisha Jayadevan,Vyshakh.S.Anil,Gopika G,Subash T D,Radhika R, is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

- (a) Date: -----
- (b) Signature(s) of the inventor(s): .....
- (c) Name(s): Anisha Jayadevan, Vyshakh. S. Anil, Gopika G, Subash T D, Radhika R

## (ii) Declaration by the applicant(s) in the convention country

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

- (a) Date: ----
- (b) Signature(s): .....
- (c) Name(s) of the singnatory: Subash T D, Radhika R

PRINCIPAL PRINCI

## (iii) Declaration by the applicant(s)

- The Provisional specification relating to the invention is filed with this application.
- I am/We are, in the possession of the above mentioned invention.
- There is no lawful ground of objection to the grant of the Patent to me/us.

## 10. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:

I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters stated hering are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this(Final Payment Date): -----

Signature: .....

Name: Subash T D

To The Controller of Patents

The Patent office at CHENNAI

This form is electronically generated.



PRINCIPAL
PRINCI

(Affiliated to Art 22-02-2023, 13:

## FORM 1 THE PATENTS ACT, 1970 (39 of 1970) &

THE PATENTS RULES, 2003 APPLICATION FOR GRANT OF PATENT

[See sections 7,54 & 135 and rule 20(1)]

(FOR	<b>OFFICE</b>	<b>USE</b>	ONL	Y)
------	---------------	------------	-----	----

Application 110	Application	No.:	*************
-----------------	-------------	------	---------------

Filing Date: .....

Amount of Fee Paid: .....

CBR No.: .....

Signature: .....

## 1. APPLICANT(S):

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
100	Subash T D	India	16-98, S/O: THANKAMANY, CHITHARAL, EDAYANATHUVILAI, VILAVANCODE, KANNIYAKUMARI, KANNIYAKUMARI, TAMIL NADU, INDIA, 629151	India	Tamil Nadu	00	
2	THANUJA SASI	India	PERUMBILLIL HOUSE, CLINT ROAD, AMBALAMEDU P.O ERNAKULAM DISTRICT, KERALA, PIN:682303	India	Kerala	Ernakulam	

## 2. INVENTOR(S):

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
1	Subash T D	India	16-98, S/O: THANKAMANY, CHITHARAL, EDAYANATHUVILAI, VILAVANCODE, KANNIYAKUMARI, KANNIYAKUMARI, TAMIL NADU, INDIA, 629151	India	Tamil Nadu	00	
2	THANUJA SASI	India	PERUMBILLIL HOUSE, CLINT ROAD, AMBALAMEDU P.O ERNAKULAM	India	Kerala Kerala	Ernakulam	ENG. VEERNO COLUES.
			43		Jiaput <sup>36</sup>	(AMINA Elan	1160 P

			DISTRICT, KERALA, PIN:682303		winners of the second		
3	JESTEENA K J	India	KAVIL (H), MUTHOLAPURAM P.O, JOSEGIRI	India	Kerala	Ernakulam	
4	UTHARA SHAJI	India	KATTAKAYATHU(H), ELLACKAL P.O, ELLACKAL, IDUKKI, 685565	India	Kerala	Idukki	IDUKKI
5	APARNA T	India	ANIZHAM (H), NEAR RAILWAY STATION ROAD, MAMBALAM, PAYYANUR, KANNUR, 670307	India	Kerala	Kannur	PAYYANUR
6	ANSIYA NAVAS	India	KUZHIPPANAYIL (H), NERIAMANGALAM P.O, AVOLICHAL	India	Kerala	Ernakulam	ERNAKULAM

## 3. TITLE OF THE INVENTION: EXPERIMENTAL INVESTIGATION ON PERMEABLE PAVEMENT WITH CERAMIC TILE WASTES

4. ADDRESS FOR CORRESPONDENCE OF APPLICANT / AUTHORISED PATENT AGENT IN INDIA:

THANUJA SASI ASSISTANT PROFESSOR DEPARTMENT OF CIVIL ENGINEERING, VISAT ENGINEERING COLLEGE, ELANJI, ERNAKULAM DISTRICT, KERALA,

PIN:686665

Telephone No.:

Fax No.:

Mobile No: 7034555274

E-mail: asst-prof-thanuja@visat.ac.in

## 5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:

Sr.No. Country Application Number	n Filing Date	Name of the Applicant	Tilte of the Invention	
-----------------------------------	---------------	-----------------------	------------------------	--

## 6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:

International Application Number	International Filing Date as Allotted by the Receiving Office	
PCT//		

## 7. PARTICULARS FOR FILING DIVISIONAL APPLICATION

Original (first) Application Number	Date of Filing of Original (first) Application

VISAT ENCINEERING COLLEGE VISAT ENCINEERING

#### 8. PARTICULARS FOR FILING PATENT OF ADDITION:

Main Application / Patent Number:	Date of Filing of Main Application
-----------------------------------	------------------------------------

### 9. DECLARATIONS:

## (i) Declaration by the inventor(s)

I/We ,Subash T D,THANUJA SASI,JESTEENA K J,UTHARA SHAJI,APARNA T,ANSIYA NAVAS, is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

- (a) Date: ----
- (b) Signature(s) of the inventor(s): .....
- (c) Name(s): Subash T D,THANUJA SASI,JESTEENA K J,UTHARA SHAJI,APARNA T,ANSIYA NAVAS

## (ii) Declaration by the applicant(s) in the convention country

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

- (a) Date: ----
- (b) Signature(s): .....
- (c) Name(s) of the singnatory: Subash T D, THANUJA SASI

## (iii) Declaration by the applicant(s)

- The Provisional specification relating to the invention is filed with this application.
- I am/We are, in the possession of the above mentioned invention.
- There is no lawful ground of objection to the grant of the Patent to me/us.

#### 10. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:

Sr.	Document Description	FileName

I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters stated hering are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this(Final Payment Date): -----



Signature:

VISAT ENGINEERING COLLEGE VISAT ENGINEERING University) (Affiliated to APJ AKT 22-023-2623, 13; Elanji, Ernakulam

of 4

Name: Subash T D

To The Controller of Patents

The Patent office at CHENNAI

This form is electronically generated.



VISAT ENGINEERING CO.LECE VISAT ENGINEERING CO.LECE (Affiliated to APJAKT University) (Affiliated to APJAKT University) (Elanii, Ernokulam - Cas assi

## FORM 1 THE PATENTS ACT, 1970 (39 of 1970)

&

## THE PATENTS RULES, 2003 APPLICATION FOR GRANT OF PATENT

[See sections 7,54 & 135 and rule 20(1)]

Application No.: .....

Filing Date: .....

Amount of Fee Paid: .....

**CBR No.:** .....

Signature: .....

## 1. APPLICANT(S):

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
1	Subash T D	India	16-98, S/O: THANKAMANY, CHITHARAL, EDAYANATHUVILAI, VILAVANCODE, KANNIYAKUMARI, KANNIYAKUMARI, TAMIL NADU, INDIA, 629151	India	Tamil Nadu	00	
2	Jibi kurian	India	Puthen purayil Brahmamangalam P.O Thalayolaparambu Kottayam	India	Kerala	Kottayam	Kottayam

## 2. INVENTOR(S):

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
1	Gokul K.R	India	Kuruvanthoor house Amayannoor P.O Kottayam	India	Kerala	Kottayam	Kottayam
2	Subash T D	India	16-98, S/O: THANKAMANY, CHITHARAL, EDAYANATHUVILAI, VILAVANCODE, KANNIYAKUMARI,, KANNIYAKUMARI, TAMIL NADU, INDIA,	India	Tamil Nadu	00	
3	Jibi kurian	India	Puthen purayil Brahmamangalam P.O Thalayolaparambu Kottayam	India	Kerala	Kottayam	Kottayam
4	Arun V.R	India	Vellakkattu (H) Kaippattoor p.o Ernakulam	India /	€,	Emakulam	Ernakulam
5	Cigin.S. Kallurumbil	India	Kallurumbil (H) Mulappuram P.O kARIMANNOOR	India	Kerala	Idukki	Wilson - 6
			47			VISAT EN SA	knlaw - 6.

## 3. TITLE OF THE INVENTION: Experimental Investigation on Properties of Modified Hollow Laterite **Cement Bricks**

## 4. ADDRESS FOR CORRESPONDENCE OF APPLICANT / Telephone No.: **AUTHORISED PATENT AGENT IN INDIA:**

Jibi Kurian Assistant Professor Department of Civil Engineering VISAT Engineering College, Elanji Mutholapuram PO Pin: 686665

Fax No.:

Mobile No: 9656601479

E-mail: asst-prof-jibikurian@visat.ac.in

## 5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:

Sr.No.	Country	Application Number	Filing Date	Name of the Applicant	Tilte of the Invention
--------	---------	-----------------------	-------------	-----------------------	------------------------

## 6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:

International Application Number	International Filing Date as Allotted by the Receiving Office
PCT//	

## 7. PARTICULARS FOR FILING DIVISIONAL APPLICATION

1	Original (first) Application Number	Date of Filing of Original (first) Application

### 8. PARTICULARS FOR FILING PATENT OF ADDITION:

Barrier Accounts and a Dadama Brown Brown	Date of Tribing of B.M. in Access 4: 1
Main Application / Patent Number:	Date of Filing of Main Application
	8 11

### 9. DECLARATIONS:

## (i) Declaration by the inventor(s)

I/We ,Gokul K.R,Subash T D,Jibi kurian,Arun V.R,Cigin.S. Kallurumbil, is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

- (a) Date: ----
- (b) Signature(s) of the inventor(s): .....
- (c) Name(s): Gokul K.R, Subash T D, Jibi kurian, Arun V.R, Cigin.S. Kallurumbil

(ii) Declaration by the applicant(s) in the convention country

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: ----

VISAT ENGINEERING COLLEG (Affiliated to APJ AKT University Elanji, Ernakulam - 600 675

- (b) Signature(s): .....
- (c) Name(s) of the singnatory: Subash T D, Jibi kurian
- (iii) Declaration by the applicant(s)
- The Provisional specification relating to the invention is filed with this application.
- I am/We are, in the possession of the above mentioned invention.
- There is no lawful ground of objection to the grant of the Patent to me/us.

## 10. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:

Sr.	Document Description	FileName
_	declare that to the best of my/our knowledge, informatio correct and I/We request that a patent may be granted to	
Dated this(Fin	al Payment Date):	
		Signature:
		Name: Subash T D
To The Controlle:	of Patents	
The Patent office	at CHENNAI	

This form is electronically generated.



VISAT ENGINEERING COLLEGE VISAT ENGINEERING COLLEGE (Affiliated to APJ AKT UNIVERSITY) (Affiliated to APJ AKT UNIVERSITY) Elanji, Ernakulam - 680 665





ORIGINAL 雰म सं/ Serial No. : 144021



## पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 387003-001

तारीख / Date : 24/05/2023

पारस्परिकता तारीख / Reciprocity Date\* :

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो IOT BASED SELFCHARGING ERICKSHAW FOR DIFFERENTLYABLED PERSONS से संबंधित है, का पंजीकरण, श्रेणी 12-14 में 1.Mr.Sonu Sunil 2. Dr.Subash T D 3.Mr.Rahul K.R 4.Mr.Pranav P 5.Ms.Anjana G 6.Mr.Sreeraj C R के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 12-14 in respect of the application of such design to *IOT BASED SELFCHARGING ERICKSHAW FOR DIFFERENTLYABLED PERSONS* in the name of 1.Mr.Sonu Sunil 2. Dr.Subash T D 3.Mr.Rahul K.R 4.Mr.Pranav P 5.Ms.Anjana G 6.Mr.Sreeraj C R.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में। In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :

14/09/2023

महानियंत्रक पेट्रेंट डिजाइन और व्यापार चिह्न Controller General of Patents, Designs and Trade Marks

(Affiliated to APJ AKT

\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.