# PARISUTHAM INSTITUTE OF TECHNOLOGY & SCIENCE AICTE APPROVED / AFFILIATED TO ANNA UNIVERSITY CHENNAI NAAC 'A' GRADE ACCREDITED



भारत सरकार, रक्षा मंत्रालय
रक्षा अनुसंधान तथा विकास संगठन
गैस टरवाइन अनुसंधान स्थापन
सी.वी.रामन नगर
पत्र पेटी सं. 9302, वेंगलूरु - 560093
संदर्भसं. Ref No: GTRE/HRD/028



Government of India, Ministry of Defence
Defence Research & Development Organization
GAS TURBINE RESEARCH ESTABLISHMENT
C.V. Raman Nagar

Post Box No. 9302, Bangalore - 560 093 दिनांक **Date : 25<sup>th</sup> Jan 2023** 



### CERTIFICATE

This is to certify that Mr. Sham B (Reg No : 821319101005) studying B.E - (Aeronautical Engineering) from Parisutham Institute of Technology and Science has undergone Project titled "Overview -1D Meanline Design of Single Stage Axial Turbine" Divison of this Establishment during Turbine in 12th Jan 2023 - 25th Jan 2023 as a part of his B.E Programme.

The performance, conduct and character *Mr. Sham B* have been very good to the best of our knowledge during the period of his Internship/Project Work.



शैलजा एस, वैज्ञानिक एफ<sup>25</sup> रिण्ये Shylaja S, Scientist - 'F' स.नि. (मा.सं.वि.) Group Director (HRD) कृते निदेशक /For DIRECTOR





### **OIL AND NATURAL GAS CORPORATION LIMITED**

CAUVERY ASSET- HR/ER - ESTABLISHMENT SECTION NERAVY COMPLEX, KARAIKAL - 609 604. Ph.No: 04368 - 235054, 235057, 235058, 235060 Fax.No: 04368 - 238126

No.: CA/KKL/HR-HRD/STU.TRG/2022-23.

Date: 23.02.2023

#### CERTIFICATE

This is to certify that Mr. SOMASKANDAN V Student of Third year, B.E. Aeronautical Engineering, Parisutham Institute of Technology & Science has undergone Industrial Training at ONGC, Cauvery Asset, Karaikal from 06.01.2023 to 16.01.2023.

He has successfully completed his project work/Inplant training in the discipline of Mechanical. During the training/project, he took keen interest in the assigned work and was very sincere.

We wish him all success in his academic endeavors and life.

(M.GOPINATHAN) CGM(HR)-I/C-HR/ER





### PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE

(Approved by AICTE, Affiliated to Anna University, Chennai, India) NH 67, Ring Road, Nanjikottai, Thanjavur- 613006, Tamil Nadu NAAC "A" Grade Accredited



# INDVIS'23 INDUSTRIAL VISIT

AT



LIMESTONE MINES,

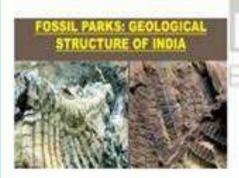
TAMILNADU CEMENTS CORPORATION

LIMITED, ARIYALUR, TN

(06.05.2023 & 10.30am - 12.05pm)



PALEONTOLOGY EVIDENCE FOSSIL MUSEUM, TANCEM, ARIYALUR, TN (06.05.2023 & 12.05am - 01.00pm)



WOOD FOSSIL PARK, SATTANUR, ARIYALUR, TN (06.05.2023 & 02.00pm - 04.00pm)

6th May, 2023



Organized by
PITS-ISTE Student Chapter
Department of Civil Engineering







APPLICATION REFERENCE NO./விண்ணப்பக் குறிப்பு எண்: GEOSITEPER/2023/00043

Dated: 02/05/2023

### **GEOLOGICAL FORMATION (FOSSILS) SITE VISIT PERMIT**

புவியியல் அமைப்பு (தொல்லுயிர் படிமங்கள்) பார்வையிட அனுமதி

#### Office of District Collectorate( DISTRICT - Ariyalur )

1.	Name of the Applicant / விண்ணப்பதாரரின் பெயர்	: KANNAN M	
	Approved Date(s) of the Visit / வருகைக்கான அங்கீகரிக்கப்பட்ட தேதி(கள்)	: 06/05/2023 to 06/05/2023	
	Purpose of the Visit / வருகையின் நோக்கம்	: EDUCTATION TRIP	
4.	<b>ு</b> ந்து வருள்ள தொல்லுயர் படி மங்களான வகைகள்	: All types of Fossils	
5.	Geological Formation/Group permitted to visit / பார்வையிட அனுமதிக்கப்பட்ட புவியியல் அமைப்பு	Sillakudi Formation,Kallamedu Formation,Kallankurichi Formation,Niniyur Formation	
6.	Proposed villages which will be covered during the visit / பார்வையிட விரும்பும் கிராமங்கள்:		
	SILLAKUDI:Ariyalur(N),Ariyalur(S),Kairlabath,Valajanagaram,Varanavasi,Pududpalayam,Govindapuram, Pappanacheri,KaruppurSenapathi,Elluppaiyur,Ottakovil,Namangunam,Vanjinapuram,Kulumur,Kilapaluvur,Arungal,Sathamangalam; KALLAMEDU:Kovilur,Chinnapattakadu,Periyathirukonam,Reddipalayam,Pudupalayam,Valajanagaram,Periyanagalur,Ariyalur(N),Ariyalur(S),Kallankurichi,Kairlabath,Kadugur,Ayanathur, Ottakovil,Chinnavanam,Rayampuram,Pottaveli,Ellupaiyur,Sendurai,Vanjinapuram,Unjini,Anandavadi,Maruvathur,Irumbulikurichi,Kilimangalam,Periyakurichi,Nakkambadi; NINNIYUR:Rayampuram,Ayanathur,Alathiyur,Adanakurichi,Manakudaiyan,Periyakurichi,Sendurai,Anandavadi,Kilimangalam,Unjini; KALLANKURICHI:Aminabad,Kallankurichi,Govindapuram,Ariyalur(N),Ariyalur(S),Pudupalayam,Valajanagaram,Periyathirukonam,Edaiyathankudi,Periyanagalur,Chinnapattakadu,Ellupaiyur,Pottaveli;		
7.	Visitor(s) Details other than Applicant / விண்ணப்பதாரர் <mark>தவிர உடன்வருபவர்(கள்) விவ</mark> ரங்கள்:		
	mount was not		

#### Conditions / நிபந்தனைகள்: :

- 1. The permit is valid for the above mentioned period(s) only / மேற்கூறிய கால அளவிற்கு மட்டுமே அனுமதி செல்லுபடியாகும்.
- 2. This e-Pass is not transferable. Misuse of the permit is liable for prosecution / இந்த அனுமதி மாற்றத்தக்கது அல்ல. அனுமதியை தவறாக பயன்படுத்தினால் சட்ட நடவடிக்கை எடுக்க ஏதுவாகும்.

  3. Under any circumstances, fossils should not be taken without the permission of the District Authorities / எந்த சூழ்நிலையிலும், மாவட்ட
- அதிகாரிகளின் அனுமதியின்றி தொல்லுயிர் படிம<mark>ங்களை எடுக்க</mark>க்<mark>கூடாத</mark>ு

Collector,

Ariyalur









APPLICATION REFERENCE NO./விண்ணப்பக் குறிப்பு எண்: GEOSITEPER/2023/00044

Dated: 02/05/2023

### **GEOLOGICAL FORMATION (FOSSILS) SITE VISIT PERMIT**

புவியியல் அமைப்பு (தொல்லுயிர் படிமங்கள்) பார்வையிட அனுமதி

### Office of District Collectorate( DISTRICT - PERAMBALUR )

		: KANNAN M	
2	Approved Date(s) of the Visit / வருகைக்கான அங்கீகரிக்கப்பட்ட தேதி(கள்)	: 06/05/2023 to 06/05/2023	
3	Purpose of the Visit / வருகையின் நோக்கம்	: EDUCATION TRIP	
4	Types of the Fossils interested to focus during the visit / வருகையின் போது பார்வையிட ஆர்வமுள் <mark>ள தொல்லுயிர்</mark> படிமங்களின் வகைகள்	: MINES, FOSSIL AND MUSEUM	
5	Geological Formation/Group permitted to visit / பார்வையிட அனுமதிக்கப்பட்ட புவியியல் அமைப்பு	Anaipadi Formation, Upper Gondwana: Formation, Kolakanatham Formation, Sillakudi Formation, Karai Formation, Maruvattur Formation	
6	Proposed villages which will be covered during the visit / பார்வையிட விரும்பும் கிராமங்கள்:		
	SILLAKUDI:Sillakudi(N),Sillakudi(S),Timmur,Koothur,Melamathur,Kadur(N),Kadur(S),Puduvettakkudi,Tungapuram(N),Tungapuram(S),Kolathur; MARUVATTUR:Olaipadi(E),Olaipadi(W),Paravai(E),Paravai(W),Perali(S),Sirukanpur(E),Sirukanpur(W),Varagupadi,Kalpadi(N),Kalpadi(S),Nannai(E),Nannai(W); KARAI:Andur,Kunnam,Odhiyam,Periyammapalayam,Siruganpur(E),Siruganpur(W),Sattanur,Karai(E),Karai(W),Kolakkanatham,Ayinapuram,Therani; UPPER GONDWANA:Kalpadi(N),Kalpadi(S),Varagupadi,Karai(E),Karai(W),Therani; KOLAKKANATHAM:Varagur,Kunnam,Adhanur(S),Kottarai,Sattanur,Thondapadi,Gudalur,Kolakkanatham; ANAIPADI:Ayinapuram,Kolakkanatham,Kulathur,Gudalur,Koothur,Adhanur(S),Thondapadi,Periyammapalayam,Kunnam,Varagur;		
7	Visitor(s) Details other than Applicant / வி <mark>ண்ணப்பதாரர் தவிர உடன்வருப</mark> வர்(கள்) விவரங்கள்:		
C	onditions / நிபந்களைகள்: :		

#### Conditions / நிபந்தனைகள்: :

- 1. The permit is valid for the above mentioned period(s) only / மேற்கூறிய கால அளவிற்கு மட்டுமே அனுமதி செல்லுபடியாகும்.
- 2. This e-Pass is not transferable. Misuse of the permit is liable for prosecution / இந்த அனுமதி மாற்றத்தக்கது அல்ல. அனுமதியை தவறாக பயன்படுத்தினால் சட்ட நடவடிக்கை எடுக்க ஏதுவாகும்.
- 3. Under any circumstances, fossils should not be taken without the permission of the District Authorities / எந்த சூழ்நிலையிலும், மாவட்ட அதிகாரிகளின் அனுமதி<mark>யின்றி த</mark>ொல்லுயிர் படிமங்களை எடுக்கக்கூடாது

0,601609

Collector,

**PERAMBALUR** 

SHATIEDITOC



### PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE

AICTE approved / Anna University affiliated Christian Minority Institution / NAAC 'K' GRADE ACCREDITED

Kamaraj Nagar, NH-67 - Ring Road, Nanjikkottai, Thanjavur - 613 006.

Phone: 04362 - 256585, 255954

E-Mail: pitsprincipal@gmail.com

Web Site: www.parisuthamtech.com

02.05.2023

To

Unit Head,

Ariyalur Cement Works,

Tamil Nadu Cement Corporation (TANCEM) Ltd.,

Ariyalur – 621 729.

Perambalur District.

Sir,

Sub: Requesting Permission for Visiting Mines and Cement Factory - reg.

Thirteen students of B.E. - Civil Engineering with three staff members wish to visit your esteemed Organization on 06<sup>th</sup> May 2023. This visit will help the students to acquire knowledge and shape their Technical Skills. I kindly request you to accord permission for the same.

We assure you Sir, that our students will respect and obey the rules and regulations of the organization during the visit.

Thank you,

Yours faithfully,

Dr.J.NIRMALA, M. Tech., Ph.D

Principal,

Parisultation Institute of Technology & Science

Thurspover - 613 006

Encl: 1. List of Students

2. List of Faculty

## 1. List of Students

S.No.	D.No.	Name of the Student
1	5101	ABIRAMI.S
2	5102	ARUN BALAJI.V
3	5103	KANNAN.P
4	5104	SANGAVI.R
5	5105	SATHISHKUMAR.G
6	5106	SHAHID AFRIDI.M.R
7	5107	SRISHINIE.T
8	5204	VARSHAN CORCKI
9	5205	AAGASH.G
10	5301	DENNIS NOYAL PHILIP
11	5302	DHARMAPRAKASH.K
12	5303	GOKULAKRISHNAN.S
13	5304	YOGESHWARAN.S

Dr.J.NIRMALA, M. Tech., Ph.D.
Principel,
Perisulham institute of Technology & Science
Thurspools - 813 006
Turninedu, India.

## 2. List of Faculty

Sl. No. Name of Faculty	
1	Dr. M. Kannan
2	Mr. A. Govandan
3	Mrs. S.Vanathi

Dr.J.NIRMALA, M. Tech., Ph.D

Principal,
Perindham institute of Technology & Scientification of Technology & Scientification



# Department of Civil Engineering TAMILNADU CEMENTS CORPORATION LIMITED (TANCEM-Mines) INDUSTRY VISIT REPORT

**Tamilnadu Cements Corporation Limited (TANCEM)**, a wholly owned Government of Tamilnadu undertaking, started business from 1st April 1976 with an authorized share capital of Rs. 18 crores taking over cement plant at Alangulam and setting up another plant at Ariyalur in the year 1979.TANCEM, as its expansion and conversion activities, set up Asbestos Sheet unit at Alangulam during 1981. TANCEM also took over during 1989, a Stoneware pipe plant from TACEL with a view to provide employment to the retrenched employees.

TANCEM has, thus become a multi plants, multi locations and multi products company with an annual turnover of around Rs. 250 crores and the authorised capital as of now is Rs. 37.43 Crores.

The company has its main objective in production of cement and cement based products and primarily cater to the needs of Government departments. Limestone being the main raw material, the company acquired and reserved enough limestone bearing lands in and around Alangulam and Ariyalur which are sufficient to run the cement plants for decades to come. Hence, the role of TANCEM in the development of state is immense.

### NATIONAL FOSSIL WOOD PARK, SATTANUR

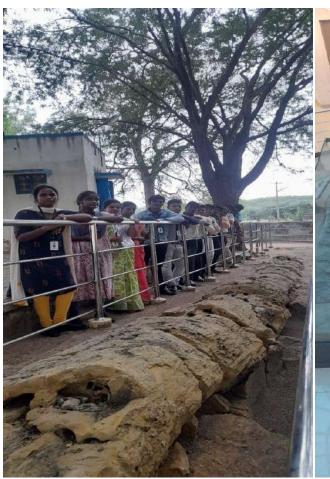
Geological Istudy shows that more than 120,000,000 years ago, the sea (which lies today about 100 k.m. East of Sathanur) had transgressed as far as 8to 10 km West of Sathanur. During this period which is Geologically knownj as the cretaceous, the sea abounded in a variety of marine animals similar to those found in the present day sea. These animals, after death;, sank to the bottom and were buried by sands and clays brought down by the rivers. Along with them some of the trees which flourished on the seacoast or near shore were also buried after transport by flooded streams and were petrified in course of time.

The large trunk of petrified tree, which can be seen here, lies within the Trichirappalli group of rocks of about 100,000,000 years ago. This tree shows the presence of Conifers (The non flowering plants) that dominated the land vegetation prior to the advent of Angiospems (the flowering plants of the present of lday).

The petrified tree trunk at Sathanur measures over 18 meters in length Similar fossil trees measuring a few meters in length are found along the stream sections near Varagur, Anaipadi, Alundalipur and Saradamangalaml. Dr.M.S.Krishnan of the Geological Survey of India first reported this fossil tree in 1940.

### **VISITED ON 06.05.2023**











### CERTIFICATE OF PARTICIPATION

This is to certify that

Parisutham Institute of Technology and

Vanathi from Science

has participated in the L&T EduTech - Naan Mudhalvan Training of Trainers program for

#### **High Rise Building Design**

held between 19th - 22nd September 2022.

L&T Edu Tech, Larsen & Toubro Limited, 1st Floor, Right Wing, TCTC Building, Mount Poonsmallee Road, Manapakkam, Chennai - 600 089, Tamil Nadu India







### **CERTIFICATE OF PARTICIPATION**

This is to certify that

Parisutham Institute of Technology and Science

B PAVITHRA SRI from

has participated in the L&T EduTech - Naan Mudhalvan Training of Trainers program for

### Transportation Infrastructure - Airports, Metros And Seaports

held between 19th - 22nd September 2022.

L&T EduTech, Larsen & Toubro Limited, 1st Floor, Right Wing, TCTC Building, Mount Poonamaliee Road, Manapakkam, Chennai - 600 089, Tamil Nadu India









### CERTIFICATE OF PARTICIPATION

This is to certify that

Govandan A from PITS

has participated in the L&T EduTech - Naan Mudhalvan Training of Trainers program for

### **Design and Construction of Steel Buildings**

held between 19th - 22nd September 2022.

L&T EduTech, Larsen & Toutro Limited, 1st Floor, Right Wing, TCTC Building, Mount Poonamaliee Road, Manapakkam, Chennal - 600 089, Tamili Nadu India



# CERTIFICATE OF COMPLETION

#### CONGRATULATIONS

You have successfully completed an Autodesk® Authorized Academic Partner® course specifically designed to meet your training requirements. Authorized Academic Partner instructors deliver quality-learning experiences with relevant courses, comprehensive content and engaging coursewere. Autodesk's vision is to help people to imagine, design and create a better world.

Certificate No. AP701635097279425174377

A GOVANDAN NAME

SUSTAINABLE BUILDING DESIGN REVIT 2022

COURSE TITLE PRODUCT

KIRAN PATIL 17-FEBRUARY-2023 33-40 HOURS

INSTRUCTOR COURSE DATE COURSE DURATION

GLOBAL INFOTECH

AUTODESK AUTHORIZED ACADEMIC PARTNER









## Tamilnadu Water Investment Company Limited

No. 24/6 Main street, Kalyananam Nagar, Medical College Road, Thanjavur – 613 007.

### TO WHOM SO EVER IT MAY CONCERN

Date: 26.07.2022

This is to certify that Miss S. ABIRAMI, D/o G. Senthil Kumar Third year student of B.E Civil Engineering, Parisutham Institute of Technology and Science, Thanjavur affiliated in Anna University Chennai has under gone training on 12.07.2022, 18.07.2022 to 23.07.2022 & 26.07.2022 on providing improvement to Water Supply and Under Ground Sewerage Scheme infrastructures in Thanjavur City Municipal Corporation under implementation in Smart City Mission being monitored by Tamilnadu Water Investment Company Ltd.

She possesses the subjective knowledge in construction and Management of Civil Engineering Infrastructures.

### Tamilnadu Water Investment Company Limited

No. 24/6 Main street, Kalyananam Nagar, Medical College Road, Thanjavur - 613 907

#### TO WHOM SO EVER IT MAY CONCERN

Date:26.07.2022

This is to certify that Mr P. Kannan, S/o M. Pannerselvam, Third year student of B.E Civil Engineering, Parisutham Institute of Technology and Science, Thanjavur affiliated in Anna University Chennai has under gone training on 12.07.2022, 18.07.2022 to 23.07.2022 & 26.07.2022 on providing improvement to Water Supply and Under Ground Sewerage Scheme infrastructures in Thanjavur City Municipal Corporation under implementation in Smart City Mission being monitored by Tamilnadu Water Investment Company Ltd.

She possesses the subjective knowledge in construction and Management of Civil Engineering Infrastructures.

TEAM PRODER.

# Tamilnadu Water Investment Company Limited 197, 2477, Main Street, Kalyananam Nagar, Medical College Road, Thanjavur 613 007



### TO WHOM SO EVER IT MAY CONCERN

Date: 26.07.2022

This is to certify that Miss R. SANGAVI, D/o R. Ravi kumar Third year student of B.E Civil Engineering, Parisutham Institute of Technology and Science, Thanjavur affiliated in Anna University Chennai has under gone training on 12.07.2022, 18.07.2022 to 23.07.2022 & 26.07.2022 on providing improvement to Water Supply and Under Ground Sewerage Scheme infrastructures in Thanjavur City Municipal Corporation under implementation in Smart City Mission being monitored by Tamilnadu Water Investment Company Ltd.

She possesses the subjective knowledge in construction and Management of Civil Engineering Infrastructures.



#### TO WHOM SO EVER IT MAY CONCERN

Date:26.07.2022

This is to certify that Mr G. Sathish Kumar, S/o S.A. Govindharaj, Third year student of B.E Civil Engineering, Parisutham Institute of Technology and Science, Thanjavur affiliated in Anna University Chennai has under gone training on 12.07.2022, 18.07.2022 to 23.07.2022 & 26.07.2022 on providing improvement to Water Supply and Under Ground Sewerage Scheme infrastructures in Thanjavur City Municipal Corporation under implementation in Smart City Mission being monitored by Tamilnadu Water Investment Company Ltd.

She possesses the subjective knowledge in construction and Management of Civil Engineering Infrastructures.

#### TO WHOM SO EVER IT MAY CONCERN

Date: 26.07.2022

This is to certify that Mr M.R. Shahid Afridi, S/o B. Mohamed Rafic, Third year student of B.E Civil Engineering, Parisutham Institute of Technology and Science, Thanjavur affiliated in Anna University Chennai has under gone training on 12.07.2022, 18.07.2022 to 23.07.2022 & 26.07.2022 on providing improvement to Water Supply and Under Ground Sewerage Scheme infrastructures in Thanjavur City Municipal Corporation under implementation in Smart City Mission being monitored by Tamilnadu Water Investment Company Ltd.

She possesses the subjective knowledge in construction and Management of Civil Engineering Infrastructures.



# தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்

## TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

(Established by Government of Tamilnadu) Directorate of Technical Education Campus, Chennai - 600 025 Ph 044-22301428, www.tanscst.nic.in

Dr.R. SRINIVASAN, MSc., Ph.D. F.I.C.S., MACS (USA).

Member Secretary

Lr No TNSCST/SPS/BS/2022-2023

03 03 2023

To Parisutham Institute of Technology and Science, Nanjikottai, Thanjavur - 613 006

Sir/Madam,

TNSCST - Student Project Scheme - 2022-2023 - approval intimation-grant Sub:

release- reg.

With respect to the above scheme, the list of projects approved by the State Council is enclosed along with terms and conditions. You are requested to adhere to terms and conditions such as submission of UC and Seminar Paper on Time.

/	Environmental Impact and Water	S. Abirami,	ECV-303	The Principal	Rs 7500/-
Dr M Kannan. Professor. Department of Civil Engineering. Pansutham Institute of	Quality Assessment in Samuthiram Lake, Thanjavur Using GIS Techniques	R. Sangavi, T. Srishinie,			
Technology and Science, Nanjikottai, Thanjavur - 613 006	Smart welfare helmets	Aakash.R,	CSE-1103	The Principal	Rs 7500/-
2. Dr R Kavitha. Professor. Department of CSE.	Smart wellate fletificto	Ramkumar.P, Anand Immanuel.A, Anand Immanuel.A			2500
Technology and Science, Tanjavur -613006	Hand-held device for detection	Ambika.PL, Mahalakshmi.R,	EEE-1330	The Principal	Rs 7500/-
Mr.Kannan G. Associate Professor. Department of ECE. Pagesutham Institute of	of air pollutants in vehicles using mg811 air co2 sensor module	Rasi.A.Prakashika, Yogomalini.S.R			
Technology and Science, Thanjavur - 613 006	Design and fabrication of	S. Kalaimaran,	EME-0570	The Principal	Rs 7500/-
Mrs.P. Renuka Devi.     Assistant Professor.     Department of Mechanical     Engineering.	Design and radiocation manual grass cutting machine	T. Ramkumar, C. Ravisekaran, K. Sivahariharan		*	
Parisutham Institute of Technology and Science,				Total	Rs 30000/-

Herewith enclosed the cheque for the approved grant and disburse the grant to the concerned students through the guides at the earliest

Kindly send the utilisation certificate (format enclosed) and seminar paper (Ref.T&C) on completion of the project.

Thanking you,

Yours faithfully.

Member Sec

Encl. a) Terms & Conditions (T&C)

b) Format of Utilisation Certificate (UC)

c) Cheque for Rs.30000/- Cheque No:574940 dt.03.03.2023

Copy to Individual Guides

### FAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY DOTE CAMPUS, CHENNAI - 600 025

# STUDENT PROJECT SCHEME 2022-2023

### UTILISATION CERTIFICATE

1. Name of the guide and address :

Dr. M. KANNAN,

Professor, Dept. Civil Engineering,

Parisutham Institute of Technology and Science,

NH-67 Ring Road, Kamaraj Nagar,

Nanjikottai, Thanjavur -613006., Tamil Nadu Ph: 04362-256585, 255954; Fax: 255976

Mobile No: 9865407902 kannanmaruthu2@gmail.com

2. Name of the student(s)

Abirami. S

Sangavi. R

Srishinie. T

3. Project Title

"ENVIRONMENTAL IMPACT AND WATER

**OUALITY ASSESSMENT IN SAMUTHIRAM** 

**THANJAVUR** LAKE,

USING

GIS

**TECHNIQUES**"

4. Project code

**ECV-303** 

bis certified that a sum of Rs.7,500/- (Seven thousand five hundred rupees only) Sanctioned by the council for carrying out above mentioned student project has been utilized for the purpose for hich it was sanctioned and sum of Rs.0/- (Nil) remaining unutilized is refunded.

HOD/CIVIL, arisutham Institute of Technology & Science Thanjavur - 613 006 Tamilnadu, India.

Signature of the Principal v

Dr.J.NIRMAL

# FITS

### PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE

(Approved by AICTE, Affiliated to Anna University, Chennai, India) NH 67, Ring Road, Nanjikottai, Thanjavur- 613006, Tamil Nadu NAAC "A" Grade Accredited



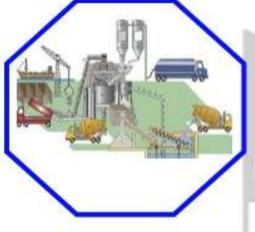
Institute Industry Interaction Programme

# INDVIS'23

INDUSTRIAL VISIT AT



Commercial Building, RR Nagar, Thanjavur



Readymix Design Plant, Thanjavur

V I S I T S

EXPERIENTIAL LEARNING

12TH APRIL, 2023



Organized by

Dept. of Civil Engineering



### Department of Civil Engineering READY MIX CONCRETE & SITE VISIT INDUSTRY VISIT REPORT

**Ready-mix concrete (RMC)** is concrete that is manufactured in a batch plant, according to each specific job requirement, then delivered to the job site "ready to use".

There are two types with the first being the barrel truck or in–transit mixers. This type of truck delivers concrete in a plastic state to the site. [2] The second is the volumetric concrete mixer. This delivers the ready mix in a dry state and then mixes the concrete on site. However, other sources divide the material into three types: Transit Mix, Central Mix or Shrink Mix concrete. Ready-mix concrete refers to concrete that is specifically manufactured for customers' construction projects, and supplied to the customer on site as a single product. It is a mixture of Portland or other cements, water and aggregates: sand, gravel, or crushed stone. [4] All aggregates should be of a washed type material with limited amounts of fines or dirt and clay. An admixture is often added to improve workability of the concrete and/or increase setting time of concrete (using retarders) to factor in the time required for the transit mixer to reach the site.

An apartment building is a building comprising at least two dwelling units. Certain buildings comprise several staircases. In the census, by convention, each stairway is taken as being a building. An apartment is a more commonly used American term for a cluster of rooms that could be over one floor. A flat is a British term for a set of rooms that forms a residence within one floor. Apartment buildings are multi-story buildings where three or more residences are contained within one structure. Such a building may be called an apartment. Commercial buildings are buildings where commercial activities take place. Commercial buildings include office buildings, retail space, warehouses and more. This differs somewhat from commercial property, which also includes multi-family buildings like apartment buildings. The average size of buildings constructed before 1960 (26% of the commercial building stock) is 12,000 square feet; buildings constructed between 1960 and 1999 (55%) average 16,300 square feet; and buildings constructed in the 2000s (18%) average 19,000 square fee.

### **VISITED on 12/04/2023**

### No of students: 13









# PROJECT REPORTS 2022 - 2023



# BATTERY MANAGEMENT SYSTEM FOR PUT S ANALYSING ACCURATE REAL - TIME CONDITIONS USING MACHINE LEARNING

### A PROJECT REPORT

Submitted by

S. SARANYA (821319104030)

M. BHARKAVI (821319104006)

S. NIROGINI (821319104020)

N. PRAPTHI (821319104024)

in partial fulfillment for the award of the degree

of

### **BACHELOR OF ENGINEERING**

in

COMPUTER SCIENCE AND ENGINEERING

PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE THANJAVUR

ANNA UNIVERSITY :: CHENNAI 600 025

**MAY 2023** 



# ANNA UNIVERSITY :: CHENNAI 600 025 BONAFIDE CERTIFICATE

Certified that this project report "BATTERY MANAGEMENT SYSTEM FOR ANALYSING ACCURATE REAL TIME CONDITION USING MACHINE LEARNING" is the bonafide work of "SARANYA.S (821319104030), BHARKAVI.M (821319104006), NIROGINI.S (821319104020), PRAPTHI. N (821319104024)" who carried out the project work under my supervision.

SICNATURE

Prof. Dr. R. Kavitha, B.E., M.Tech., Ph.D

HEAD OF THE DEPARTMENT

PROFESSOR

Department of Computer Science

and Engineering,

Parisutham Institute of Technology

and Science, Thanjavur.

SIGNATURE Tols

Mrs. R. Arunadevi, M.E.,

SUPERVISOR

ASSISTANT PROFESSOR

Department of Computer Science

and Engineering,

Parisutham Institute of Technology

and Science, Thanjavur.

Submitted to the viva voce held on. 12: 05: 2023.

INTERNAL EXAMINER

EXTERNAL EXAMINER



# ONLINE BANKING SECURITY WITH REAL TIME FACE RECOGNITION APPROACH



### A PROJECT REPORT

Submitted by

R. HARESH

(821319104012)

G. SHYAM JEROLD

(821319104033)

in partial fulfillment for the award of the degree

of

**BACHELOR OF ENGINEERING** 

in

COMPUTER SCIENCE AND ENGINEERING

PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE THANJAVUR

ANNA UNIVERSITY :: CHENNAI 600 025

**MAY 2023** 



### ANNA UNIVERSITY :: CHENNAI 600 025

### **BONAFIDE CERTIFICATE**

Certified that this project report "ONLINE BANKING SECURITY WITH REAL TIME FACE RECOGNITION APPROACH" is the bonafide work of "HARESH R (821319104012), SHYAM JEROLD G (821319104033)" who carried out the project work under my supervision.

Prof. Dr. R. Kavitha, B.E., M.Tech., Ph.D

HEAD OF THE DEPARTMENT

**PROFESSOR** 

Department of Computer Science

and Engineering,

Parisutham Institute of Technology

and Science, Thanjavur.

R. A - Lyistes SIGNATURE

Mrs. R. Arunadevi, M.E.,

**SUPERVISOR** 

ASSISTANT PROFESSOR

Department of Computer Science

and Engineering,

Parisutham Institute of Technology

and Science, Thanjavur.

Submitted to the viva voce held on 18:05, 2023



# INTERACTIVE EMERGENCY APPLICATION



### A PROJECT REPORT

Submitted by

**DHANUSH KUMAR.S** 

(821319104008)

**DINESHKUMAR.S** 

(821319104009)

in partial fulfillment for the award of the degree

of

### **BACHELOR OF ENGINEERING**

in

COMPUTER SCIENCE AND ENGINEERING

PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE
THANJAVUR

ANNA UNIVERSITY :: CHENNAI 600 025

**MAY 2023** 



# ANNA UNIVERSITY :: CHENNAI 600 025

### **BONAFIDE CERTIFICATE**

Certified that this project report "INTERACTIVE EMERGENCY APPLICATION" is the bonafide work of "DHANUSH KUMAR. S (\$21319104008), DINESHKUMAR. S (821319104009)" who carried out the

Prof. Dr. R. Kavitha, B.E., M.Tech., Ph.D

**HEAD OF THE DEPARTMENT** 

project work under my supervision.

**PROFESSOR** 

Department of Computer Science

and Engineering,

Parisutham Institute of Technology

and Science, Thanjavur.

J. Sis tw/10/5/23

Prof. Dr. R. Kavitha, B.E., M.Tech., Ph.D

SUPERVISOR

**PROFESSOR** 

Department of Computer Science

and Engineering,

Parisutham Institute of Technology

and Science, Thanjavur.

Submitted to the viva voce held on ...1.8 /05/2023...



# CRYPTOCURRENCY PRICE PREDICTION USING DEEP LEARNING



### A PROJECT REPORT

Submitted by

MOHAMED RAHIM. M. R

(821319104019)

VASANTH. B

(821319104036)

in partial fulfillment for the award of the degree

of

**BACHELOR OF ENGINEERING** 

in

COMPUTER SCIENCE AND ENGINEERING

PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE THANJAVUR

ANNA UNIVERSITY :: CHENNAI 600 025

MAY 2023



# ANNA UNIVERSITY :: CHENNAI 600 025

## **BONAFIDE CERTIFICATE**

Certified that this project report "CRYPTOCURRENCY PRICE

PREDICTION USING DEEP LEARNING" is the bonafide work of

"MOHAMED RAHIM.M.R (821319104036), VASANTH.B (821319104036)"

who carried out the project work under my supervision.

SIGNATURE SIGNATURE

Prof. Dr. R. Kavitha, B.E., M.Tech., Ph.D

HEAD OF THE DEPARTMENT

PROFESSOR

Department of Computer Science and

Engineering,

Parisutham Institute of Technology

and Science, Thanjavur.

SIGNATURE

Ms. R. Vinodharasi, M.E.,

**SUPERVISOR** 

ASSISTANT PROFESSOR

Department of Computer Science and

Engineering,

Parisutham Institute of Technology

and Science, Thanjavur.

Submitted to the viva voce held on ...18/05/2023

INTERNAL EXAMINER

EXTERNAL EXAMINER



# FAKE LOGO DETECTION USING DEEP LEARNING



### A PROJECT REPORT

Submitted by

T. PERIYASAMY (821319104023)

N. PARTHASARATHI (821319104022)

S. SENTHILNATHAN (821319104031)

P. VENKATESHWARAN (821319104037)

in partial fulfillment for the award of the degree

of

### **BACHELOR OF ENGINEERING**

in

COMPUTER SCIENCE AND ENGINEERING

PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE THANJAVUR

ANNA UNIVERSITY :: CHENNAI 600 025

**MAY 2023** 



# ANNA UNIVERSITY :: CHENNAI 600 025 BONAFIDE CERTIFICATE

Certified that this project report "FAKE LOGO DETECTION USING DEEP LEARNING" is the bonafide work of "PERIYASAMY.T (821319104023), PARTHASARATHI.N (821319104022), SENTHILNATHAN.S (821319104031), VENKATESHWARAN.P (821319104037) " who carried out the project work under my supervision.

SIGNATURE

Prof. Dr. R. Kavitha, B.E., M. Tech., Ph.D

HEAD OF THE DEPARTMENT

PROFESSOR

Department of Computer Science

**End** Engineering,

Parisutham Institute of Technology

Ed Science, Thanjavur.

Ki Nidhya

SIGNATURE

Mrs. K. Nidhya, M.Tech.,

**SUPERVISOR** 

ASSISTANT PROFESSOR

Department of Computer Science

and Engineering,

Parisutham Institute of Technology

and Science, Thanjavur.

Submitted to the viva voce held on. 18.1.05.12023

INTERNAL EXAMINER

EXTERNAL EXAMINER



# VISITORS AUTHENTICATION IN AIRPORT BASED ON BIOMETRICS



### A PROJECT REPORT

Submitted by

RAGUVARAN. R	(821319104027)
DEVENDRAN. N	(821319104007)
JERAPATHISWARAN. M	(821319104015)
KESAVAN. S	(821319104017)

in partial fulfillment for the award of the degree

of

## BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING

PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE THANJAVUR

ANNA UNIVERSITY :: CHENNAI 600 025

**MAY 2023** 



# ANNA UNIVERSITY :: CHENNAI 600 025

### BONAFIDE CERTIFICATE

Certified that this project report title "VISITOR AUTHENTICATION IN AIRPORT EASED ON BIOMETRICS" is the bonafide work of "R.RAGUVARAN DEVENDRAN.N (821319104007), JERAPATHISWARAN. M 321319104027), 321319104015), KESAVAN.S (821319104017)" who carried out the project work under supervision.

Prof. Dr. R. Kavitha, B.E., M.Tech., Ph.D

HEAD OF THE DEPARTMENT

**PROFESSOR** 

Department of Computer Science

and Engineering,

Parisutham Institute of Technology

and Science, Thanjavur.

P. Krislnon-/1015/23

Dr. P. Krishnaveni, B.E., M.E., Ph.D

**SUPERVISOR** 

ASSOCIATE PROFESSOR

Department of Computer Science

and Engineering,

Parisutham Institute of Technology

and Science, Thanjavur.

Submitted to the viva voce held on ..

- Drit /18/23



# AN ASSISTIVE VISION FOR VISUALLY IMPAIRED PERSON USING DEEP LEARNING



#### A PROJECT REPORT

Submitted by

SHREE SANDHYA.S (821319104032)

PRAVEENA BETES (821319104025)

**RAJALAKSHMI.P** (821319104028)

SARUBALA.E (821319104501)

in partial fulfillment for the award of the degree

of

#### **BACHELOR OF ENGINEERING**

in

COMPUTER SCIENCE AND ENGINEERING

PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE THANJAVUR

ANNA UNIVERSITY :: CHENNAI 600 025

MAY 2023



## ANNA UNIVERSITY :: CHENNAI 600 025

#### **BONAFIDE CERTIFICATE**

Certified that this project report "AN ASSISTIVE VISION FOR VISUALLY IMPAIRED PERSON USING DEEP LEARNING" is the bonafide work of BETES (821319104032), **PRAVEENA** SANDHYA.S SHREE 821319104025), RAJALAKSHMI.P (821319104028), SARUBALA.E \$21319104501)" who carried out the project work under my supervision.

Prof. Dr. R. Kavitha, B.E., M.Tech., Ph.D

**HEAD OF THE DEPARTMENT** 

**PROFESSOR** 

Department of Computer Science

and Engineering,

Parisutham Institute of Technology

and Science, Thanjavur.

R. Apolto/1015/23 ENATURE

Prof. Dr. R. Kavitha, B.E., M.Tech., Ph.D

**SUPERVISOR** 

**PROFESSOR** 

Department of Computer Science

and Engineering,

Parisutham Institute of Technology

and Science, Thanjavur.

Submitted to the viva voce held on 18.05.23

EXTERNAL EXAMINER



## SECURING PATIENT INFORMATION USING REVERSIBLE DATA HIDING



#### A PROJECT REPORT

#### Submitted by

TAMILMANI. R	821319104034
HARINI MALIKA. E	821319104013
ABINAYA. S	821319104003
GAYATHRI. S	821319104011

in partial fulfillment for the award of the degree

of

#### **BACHELOR OF ENGINEERING**

in

COMPUTER SCIENCE AND ENGINEERING

PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE
THANJAVUR

ANNA UNIVERSITY .:: CHENNAI 600 025

**MAY 2023** 



## ANNA UNIVERSITY :: CHENNAI 600 025 BONAFIDE CERTIFICATE

Certified that this project report "SECURING PATIENT INFORMATION USING REVERSIBLE DATA HIDING" is the bonafide work of "TAMILMANI. R (821319104034), HARINI MALIKA. E (821319104013), ABINAYA. S (821319104003), GAYATHRI. S (821319104011)" who carried out the project work under my supervision.

SIGNATURE

Prof. Dr. R. Kavitha, B.E., M.Tech., Ph.D

HEAD OF THE DEPARTMENT

**PROFESSOR** 

Department of Computer Science and

Engineering,

Parisutham Institute of Technology

and Science, Thanjavur.

**SIGNATURE** 

Ms. R. Vinodharasi, M.E.,

**SUPERVISOR** 

ASSISTANT PROFESSOR

Department of Computer Science and

Engineering,

Parisutham Institute of Technology

and Science, Thanjavur.

Submitted to the viva voce held on .18.05.2023

INTERNAL EXAMINER

EXTERNAL EXAMINER



# PARKINSON'S DISEASE DETECTION FROM BRAIN MRI IMAGE USING DEEP LEARNING



#### A PROJECT REPORT

Submitted by

ABARNA.D (821319104002)

ATCHAYA.D (821319104005)

KURALARASI.A (821319104018)

PRITHIVI.N (821319104026)

in partial fulfillment for the award of the degree

of

#### **BACHELOR OF ENGINEERING**

in

COMPUTER SCIENCE AND ENGINEERING

PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE THANJAVUR

ANNA UNIVERSITY :: CHENNAI 600 025

MAY 2023



## ANNA UNIVERSITY :: CHENNAI 600 025

#### **BONAFIDE CERTIFICATE**

BRAIN MRI IMAGE USING DEEP LEARNING " is the bonafide of "ABARNA. D (821319104002), ATCHAYA. D (821319104005), TRALARASI. A (821319104018), PRITHIVI. N (821319104026) " who

SIGNATURE SIGNATURE

Dr. R. Kavitha, B.E., M. Tech., Ph.D

**EAD OF THE DEPARTMENT** 

ROFESSOR

Department of Computer Science

and Engineering,

Institute of Technology

and Science, Thanjavur.

P. Keilren 1 10 15/23

SIGNATURE

Dr. P. Krishnaveni, B.E., M.E., Ph.D

**SUPERVISOR** 

ASSOCIATE PROFESSOR

Department of Computer Science

and Engineering,

Parisutham Institute of Technology

and Science, Thanjavur.

TERVAL EXAMINER

EXTERNAL EXAMINER



## INDUSTRIAL VISITS (IV) 2022 - 2023



## PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE

AICTE approved / Anna University affiliated Christian Minority Institution / NAAC 'A' GRADE ACCREDITED

Kamaraj Nagar, NH-67 - Ring Road, Nanjikkottai, Thanjavur - 613 006.

Phone: 04362 - 256585, 255954

E-Mail: pitsprincipal@gmail.com

Web Site: www.parisuthamtech.com

D.:J.Nirmala, M.Tech., Ph.D. Principal

#### To Whomsoever it may concern

Date: 12.05.2023

Attending Industrial Visit is essential for engineering studies as per the Anna University Curriculum. 50 Students of final year B.E (CSE, ECE & EEE) and 4 Faculty Members of our Institution are permitted to go for an Industrial Visit to Cochin on 13.05.2023 & 14.05.2023.

Encl: List of students & Staff

Principal

Dr.J.NIRMALA, M. Toch, Ph.O.

Principal.

Parley Make in estude of Technology & Screne

Thurpurar - 613 006

Tembradu, india.



## **Students Name List**

S.NO	D.NO	NAME
1	1101	MOHAMEDASHIK.M
2	1102	RAGHUL PRASATH.K
3	1103	SANDEEP KUMAR.R.G
4	1104	SUDARSAN.S
5	1105	VALENTINA.J
6	2101	AAKASH.R
7	2102	ABARNA.D
8	2105	ATCHAYA.D
9	2106	BHARKAVI.M
10	2107	DEVENDRAN.N
11	2108	DHANUSH KUMAR.S
12	2109	DINESHKUMAR.S
13	2111	GAYATHRI.S
14	2112	HARESH.R
15	2115	JERAPATHISWARAN.M
16	2117	KESAVAN.S
17	2118	KURALARASI.A
18	2120	NIROGINI.S
19	2122	PARTHA SARATHI.N
20	2123	PERIYASAMY.T
21	2124	PRAPTHI.N
22	2125	PRAVENA BETES.P
23	2126	PRITHIVI.N
24	2127	RAGUVARAN.R
25	2128	RAJALAKSHMI.P





## **Students Name List**

S.NO	D.NO	NAME
26	2129	RAMKUMAR.P
27	2130	SARANYA.S
28	2131	SENTHILNATHAN.S
29	2132	SHREE SANDHYA.S
30	2133	SHYAM JEROLD.G
31	2137	VENKATESHWARAN.P
32	2138	SARUBALA.E
33	3101	ABITĤA.R
34	3102	AMBIGA.PL
35	3103	ASMITHA.S
36	3104	BALA.S
37	3105	EUGIN JEBARAJ.A
38	3106	JEREMIAH PAUL.J
39	3107	KISHOREKUMAR.S
40	3108	LAVANYA.M
41	3111	MATHUMITHA.A
42	3112	NITHIYASREE.L
43	3113	PRIYADHARSHINI.R
44	3114	PRIYANKA.M
45	3115	RASI.A.PRAKASHIKA
46	3116	ROSHAN RAJ.R
47	3117	SHALINI.M
48	3119	SRIRAM.U
49	3122	VISHWA.K
50	3123	YOGAMALINI.S.R

Dr.J.NIRMALA, M. Tech., Ph.D

Principal,
Parleuthen institute of Technology & Science
Therenyur - 813 006

Ternilnedu, India



AICTE APPROVED / AFFILIATED TO ANNA UNIVERSITY CHENNAI NAAC 'A' GRADE ACCREDITED

## INDUSTRIAL VISIT

12.05.2023

## FACULTY MEMBERS

- 1. Mr. K. Santhosh Kumar, AP/EEE
- 2. Mrs. S. Fathima Bibi, AP/EEE
  - 3. Mr. S. Vignesh, AP/MECH
- 4. Mrs. C. Ramya, AP/CSE

Principal,

Princi

Teminedu, India









## INPLANT TRAINING

(IPT)

2022 - 2023

## CERTIFICATE OF INTERNSHIP



THIS CERTIFICATE PROUDLY PRESENTED TO

## Deepika Bai M

has successfully completed MongoDB with Nodejs live projects from Immensphere in association with Verzeo from 01-09-2022 to 31-10-2022. During this internship, the student was found to be a keen and enthusiastic Candidate.

24-11-2022

DATE

ACADEMIC HEAD

CERTIFICATE ID: 1374603471



## CERTIFICATE OF INTERNSHIP



THIS CERTIFICATE PROUDLY PRESENTED TO

## Govardhanan A

has successfully completed MongoDB with Nodejs live projects from Immehsphere in association with Verzeo from 01-09-2022 to 31-10-2022. During this internship, the student was found to be a keen and enthusiastic Candidate.

24-11-2022

DATE

ACADEMIC HEAD

CERTIFICATE ID: 1661037971



**VERZEO** 



Certificate No. : NNT 403





**MARCELLO TECH** 

## **CERTIFICATE**

## OF COMPLETION

This is to certify that Mr./Ms. DHESIKA . E
from PARISUTHAM INSTITUTE OF TECHNOLOGY & SCIENCE
department of B.ECSE
successfully completed Internship Programme in
PRTIFICIAL INTETLIGENCE USING PYTHON
Duration Date : 18.01.2023 to 22.61.2023
24.01.2023  DATE ISSUED  C. A.W. (\$\frac{1}{2}(620.002)^{\frac{1}{2}}\$)  MANAGER

No.3, GEM Plaza, Ground Floor, Sankaran Pillai Road, (SRC Road)

Tiruchirappalli, Tamil Nadu, India - 620002.

Mobile No.: 94423 44796

Mail: info@marcellotech.com Web: www.marcellotech.com O/o the General Manager, BSNL Complex, Ram Nagar (Extn.), Balaji Nagar, Medical College Road, Thanjavur – 613 007.



#### भारतसंचारनिगमलिमिटेड

(भारतसरकारकाउदयम)

BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)
THANJAVUR BUSINESS AREA

No. AGM(HR&A)/TNJ/297/2022

## CERTIFICATE

This is to Certify that Mr./Ms.MADHAN PRAKASHS Student

of PARISUTHAM INSTITUTE OF TECNOLOGY AND SCIENCE,
THANJAVUR has undergone Internship Training at BSNL, Thanjavur from
01.08.2022 to 06.08.2022. The student was given the over view of
Fundamentals of Telecom, Digital Communication, Optical Fibre concepts
and Broadband Technology.

Place: Thanjavur Date: 06.08.2022 AGM (HR LAdmn.)
O/o GM, BSNL
Thanjavur-613 007



O/o the General Manager, BSNL Complex, Ram Nagar (Extn.), Balaji Nagar, Medical College Road, Thanjavur – 613 007.



#### भारतसंचारनिगमलिमिटेड

(भारतसरकारकाउदयम)

BHARAT SANCHAR NIGAM LIMITED (A Govt. of India Enterprise) THANJAVUR BUSINESS AREA

No. AGM(HR&A)/TNJ/283/2022

## CERTIFICATE

This is to Certify that Mr./Ms.MAHALAKSHMI R Student of PARISUTHAM INSTITUTE OF TECNOLOGY AND SCIENCE,

THANJAVUR has undergone Internship Training at BSNL, Thanjavur from 01.08.2022 to 06.08.2022. The student was given the over view of Fundamentals of Telecom, Digital Communication, Optical Fibre concepts and Broadband Technology.

Place: Thanjavur Date: 06.08.2022 AGM (AR LAdmn.) O/o GM, BSNL Thanjavur-613 007





## CERTIFICATE OF COMPLETION

CERTIFICATE NUMBER CBTIPE202005220704

This certificate is awarded to \_\_\_\_AMBIGA PL who has undergone Inplant Training in EMBEDDED SYSTEMS 20.07.2022 to 24.07.2022 at CodeBind Technologies, Chennai. During the course of training period, the conduct of the trainee was found to be \_ Good



Head Office : T.Nagar, Chennai.

Trichy.

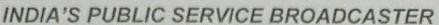
044 - 4330 4239



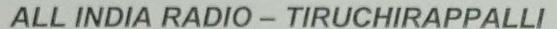
#### प्रसार भारती

#### PRASAR BHARATI

भारत का लोक सेवा प्रसारक



आकाशवाणी : तिरुच्चिरापल्लि



\*\*\*



यह प्रमाणित किया जाता है कि आकाशवाणी, तिरुच्चिराप्पिल्ल में आयोजित इनप्लांट प्रशिक्षण में निम्नलिखित छात्र ने भाग लिया ।

This is to certify that the following Student has undergone In- plant Training at All India Radio, Tiruchirappalli.

1	ष्ठात्र का नाम Name of the Student	M. SHALINI
2	कालेज Name of the College	PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE THANJAVUR
3	शाखा के नाम Branch of study	IV – ECE
4	इनप्लांट पशिक्षण की अवधि Period of In-plant Training	22.08.2022 TO 26.02.2022



C. KANDASAMY

Assistant Engineer

For Dy. Director General E)

All India Radio, Tiruchirappalli





# PROJECT REPORTS 2022-2023



## IOT Based Power Theft Detection System



## A Project Report

## Submitted by

M.MOHAMED ASHIK	(821319105001)
R.G.SANDEEP KUMAR	(821319105003)
S.SUDARSAN	(821319105004)

In partial fulfilment of the award of the degree

Of

BACHELOR OF ENGINEERING

In

ELECTRICAL AND ELECTRONICS ENGINEERING

PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE

**THANJAVUR 613006** 

ANNA UNIVERSITY:: CHENNAI 600 025

**MAY 2023** 

## ANNA UNIVERSITY: CHENNAI 60025

### BONAFIDE CERTIFICATE

Certified that this project report "IOT Based Power Theft Detection System" is the bonafide work of "M.MOHAMED ASHIK (821319105001) ,R.G.SANDEEP KUMAR (821319105003) ,S.SUDARSAN (821319105004)" who carried out the project work under my supervision.

S. So Hay del

Mrs.S.AROKIA MAGDALINE, M.E.,

Mr.K.SANTHOSH KUMAR, M.TECH.,

HEAD OF THE DEPARTMENT

SUPERVISOR

ASSISTANT PROFESSOR

ASSISTANT PROFESSOR

**DEPARTMENT OF EEE** 

DEPARTMENT OF EEE

PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE, PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE,

THANJAVUR.

THANJAVUR.

Submitted for the viva voce examination held on ... 1715 23



## AI - VIRTUAL REALITY BASED HOME DEVICE CONTROL



## A Project Report

Submitted by

K.RAGHUL PRASATH J.VALENTINA

(821319105002)

(821319105005)

In partial fulfilment of the award of the degree

Of

BACHELOR OF ENGINEERING

In

ELECTRICAL AND ELECTRONICS ENGINEERING

PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE

THANJAVUR 613006

ANNA UNIVERSITY:: CHENNAI 600 025

**MAY 2023** 

## **ANNA UNIVERSITY: CHENNAI 600 025**

#### BONAFIDE CERTIFICATE

Certified that this project report "AI-Virtual Reality Based Home Device Control" is the bonafide work of "K.RAGHUL PRASATH (821319105002) and J.VALENTINA (821319105005) " who carried out the project work under my supervision.

5.20	Magduli
SIGNATU	JRE V

Mrs.S.Arokia Magdaline, B.E., M.E.,

HEAD OF THE DEPARTMENT

**ASSISTANT PROFESSOR** 

**DEPARTMENT OF ECE** 

THANJAVUR.

PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE,

Mrs.S.Fathima Bibi, B.E., M.E.,

SUPERVISOR

ASSISTANT PROFESSOR

DEPARTMENT OF EEE

PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE,

THANJAVUR.

Submitted for the viva voce examination held on ... 1715 23

S. Som Mag Led INTERNAL EXAMINER





# INDUSTRIAL VISITS (IV) 2022-2023



AICTE approved / Anna University affiliated Christian Minority Institution / NAAC 'A' GRADE ACCREDITED

Kamaraj Nagar, NH-67 - Ring Road, Nanjikkottai, Thanjavur - 613 006.

Phone: 04362 - 256585, 255954

E-Mail: pitsprincipal@gmail.com

Web Site: www.parisuthamtech.com

Dr.J.Nirmala, M.Tech., Ph.D Principal

## To Whomsoever it may concern

Date: 12.05.2023

Attending Industrial Visit is essential for engineering studies as per the Anna University Curriculum. 50 Students of final year B.E (CSE, ECE & EEE) and 4 Faculty Members of our Institution are permitted to go for an Industrial Visit to Cochin on 13.05.2023 & 14.05.2023.

Encl: List of students & Staff

Dr.J.NIRMALA, M. Toch, Ph.D.

Principal,

Parlautham methods of Technology & Scrons

Therewar - 013 000 Varnilmedu, India.





## **Students Name List**

S.NO	D.NO	NAME
1	1101	MOHAMEDASHIK.M
2	1102	RAGHUL PRASATH.K
3	1103	SANDEED KIRKAR
4	1104	SANDEEP KUMAR.R.G SUDARSAN.S
5	1105	VALENTINA.J
6	2101	AAKASH.R
7	2102	ABARNA.D
. 8	2105	ATCHAYA.D
9	2106	BHARKAVI.M
10	2107	DEVENDRAN.N
11	2108	
12	2109	DHANUSH KUMAR.S
13	2111	DINESHKUMAR.S
14	2112	GAYATHRI.S
15	2112	HARESH.R
		JERAPATHISWARAN.M
16	2117	KESAVAN.S
17	2118	KURALARASI.A
18	2120	NIROGINI.S
19	2122	PARTHA SARATHI.N
20	2123	PERIYASAMY.T
21	2124	PRAPTHI.N
22	2125	PRAVENA BETES.P
23	2126 .	PRITHIVI.N
24	2127	RAGUVARAN.R
· 25	2128	RAJALAKSHMI.P

# UTE OF TECHNOLOGY & SCIENCE ROVED AFFILIATED TO ANNA UNIVERSITY CHENNAI NAAC A GRADE ACCREDITED



## Students Name List

S.NO	D.NO	NAME
26	2129	RAMKUMAR.P
27	2130	SARANYA.S
28	2131	SENTHILNATHAN.S
29	2132	SHREE SANDHYA.S
30	2133	SHYAM JEROLD.G
31	2137	VENKATESHWARAN.P
32	2138	SARUBALA.E
33	3101	ABITHA.R
34	3102	· AMBIGA.PL
· 35	3103	ASMITHA.S
36	3104	BALA.S
37	3105	EUGIN JEBARAJ.A
38	3106	JEREMIAH PAUL.J
39	3107	KISHOREKUMAR.S
40	3108	LAVANYA.M
41	3111	MATHUMITHA.A
42	3112	NITHIYASREE.L
43	3113	PRIYADHARSHINI.R
44	3114	PRIYANKA.M
45	3115	RASI.A.PRAKASHIKA
46	3116	ROSHAN RAJ.R
47	3117	SHALINI.M
48	3119	SRIRAM.U
49	3122	VISHWA.K
50	3123	YOGAMALINI.S.R

;

Dr.J.NIRMALA, M. Tech., Ph.D.
Principal,
Parisushan institute of Technology & Scientification of Technology & Scientification



NAAC 'A' GRADE ACCREDITED

## INDUSTRIAL VISIT

12.05.2023

### **FACULTY MEMBERS**

- 1. Mr. K. Santhosh Kumar, AP/EEE
- 2. Mrs. S. Fathima Bibi, AP/EEE
  - 3. Mr. S. Vignesh, AP/MECH
- 4. Mrs. C. Ramya, AP/CSE

Dr.J.NIRMALA, M. Toch., Ph.D

Principal,
Pariquitam institute of Technology & Some
Thereway - 613 006
Temandu, India



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING (ACADEMIC YEAR 2022-2023)

#### INDUSTRIAL VISIT REPORT

MAY 20, 2023

#### INTRODUCTION

Department of Electrical And Electronics Engineering organized an Industrial visit at IROID Technologies Pvt Ltd, Kerala Central Marine Fisheries Research Institute, Kerala State Museum Thrissur on 13<sup>th</sup> and 14<sup>th</sup> May, 2023. This document contains a detailed report of the industrial visit.

#### **Faculty Members:**

- 1. Mr. K. Santhosh Kumar, AP/EEE
- 2. Mr. S. Vignesh, AP/Mech
- 3. Mrs.S. Fathima Bibi, AP/EEE
- 4. Mrs.Ramya AP/CSE

#### PURPOSE OF VISIT

- 1. Interaction between students and industry personnel.
- 2. To make students aware about actual industry working and the industrial environment.
- 3. To develop awareness among students regarding sheet metal manufacturing processes.
- 4. To prepare students for selection of career in different departments of industry.

#### DETAILED DESCRIPTIONS

#### IROID TECHNOLOGIES PVT LTD

They offer a spectrum of solution including ERP development, CRM, mobile application, web designing etc. The session helped the students to learn a lot about professional growth. We had very interactive session regarding work culture.

#### KERALA CENTRAL MARINE FISHERIES RESEARCH INSTITUTE

Established by the government of India under the minister of agriculture in 1974. An achievement of ICAR-CMFRI is the development of sampling method for estimation of marine fish. It is focused on gathering information of the marine fishery resource of India.

#### KERALA STATE MUSEUM THRISSUR

It stated functioning in 1885 located at Thrissur. It consisted of variety of fauna like porcupine, sambar deer's, crocodile etc. museum, multi- purpose museum, traditional architecture.

#### **CONCLUSION**

The experience of this visit was really fantastic and unforgettable. The students learnt different phases of project planning and executions at professional level. From this industrial visit, students understood what the culture in the industry is and how to stand in the corporate world in the era of competition?









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#### SANTHOSH KUMAR

has successfully completed

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Émeric FORTIN

Virginie BOUTUEIL

Head of the Maxter in Transport and Sustainable Development Researcher at DVMT (City Mobility Transport Lab), Eccle dee Ponts Paris Tech Direction of Studies, École dee Ponts Paris Tech (IMD)

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Coursera has confirmed the identity of this individual and their participation in the course.









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FOR SUCCESSFUL COMPLETION OF

#### Industry 4.0 FDP

In appreciation of your hard work & continuous improvement that led to the completion of the coursework on 03 November 2022

Program Director: SARANGARAJAN V

Certificate UID

; tqfghyxeau9p053l





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#### CERTIFICATE

This is certified that Mr/Dr. N. KALYANASUNDARAM, Associate Professor, Department Of Electrical and Electronics Engineering, Parisutham Institute Of Technology And Science, Thanjavur, participated and completed successfully One Week International Online Faculty Development Programme on "Trends And Innovations In Industry 4.0" from 23.01.2023 to 28.01.2023, at Department Of Instrumentation and Control Engineering, A. V. C. College Of Engineering, Mayiladuthurai, Tamilnadu, India.

Dr. Ka. Suriyaprabha, Mr. K. Arulselvan & Mrs. M. Vinodhini Dr. S. Vadiva

Dr. S. Vadivazhagi

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R. AM M. Pene J. Vadivas Dr. Ka. Suriyaprabha, Mr. K. Arulselvan & Mrs. M. Vinodhini

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Dr. Ka. Suriyaprabha, Mr. K. Arulselvan & Mrs. M. Vinodhini

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R. All M. Volne S. Violiva Dr. Ka. Suriyaprabha, Mr. K. Arulselvan & Mrs. M. Vinodhini

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Dr. Ka. Suriyaprabha, Mr. K. Arulselvan & Mrs. M. Vinodhini

R. All M. Vine S. Vadiva Dr. S. Vadivazhagi

Dr. C. Sundar Raj

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Mr. B. Sudagar Coordinator

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**Assistant Professor, Department of EEE** 

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