Academic Year 2020-21

Criteria - 1.3.3.

CARE
COLLEGE OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING
PROJECT BATCH 2017-2021

S NO	NAME OF THE PROGRAMME AND BRANCH	BATCH NUMBER WITH TIME	REGISTRATION NO. OF THE STUDENT	NAME OF THE STUDENT	TITLE OF THE PROJECT WORK	NAME OF THE SUPERVISOR WITH STAFF ID
	APRIL/MAY 2021 END SEMESTER EXAMINATIONS : Date 29.03.2021					**Semester: VIII**
	College Code:	8107		**College Name:**	C.A.R.E. Group of Institutions	
	Subject code:	CE 8811		**Subject Name:**	PROJECT WORK	
1	B.E CIVIL ENGINEERING	29.03.2021 Batch 1 9:30am - 12.30 pm	810717103302	R.PARVES BASHA	DESIGN AND IMPLEMENTATION OF ANDROID APPLICATION FOR MOBILE INCINERATION MANAGEMENT	Mr.M.Vigneshwaran-8107195
2	B.E CIVIL ENGINEERING		810717103007	IMRAN ASLAM J		
3	B.E CIVIL ENGINEERING		810717103015	SRINIVASAN S		
4	B.E CIVIL ENGINEERING		810717103005	BOTHEESWARAN J		
5	B.E CIVIL ENGINEERING	29.03.2021 Batch 2 9:30am - 12.30 pm	810717103010	MOHAMED YASIN A M	NUMERICAL STUDY ON DRY EXCAVATION USING TIE BACK WALL	Dr. P.V.Premalatha - 8107089
6	B.E CIVIL ENGINEERING		810717103305	S.SHIEK FAZAL AHAMED		
7	B.E CIVIL ENGINEERING		810717103018	VIJAYAKUMAR A		
8	B.E CIVIL ENGINEERING		810717103304	R.SATHISH KUMAR		
9	B.E CIVIL ENGINEERING	29.03.2021 Batch 3 9:30am - 12.30 pm	810717103004	BALAJI S	PSYCHOLOGICAL IMPACT ON CONSTRUCTION PERSONNEL DURING COVID-19 LOCKDOWN	Mr.S.Sheik Imam - 8107190
10	B.E CIVIL ENGINEERING		810717103016	TAMILARASAN V		
11	B.E CIVIL ENGINEERING		810717103012	RAGUL K		
12	B.E CIVIL ENGINEERING		810717103008	JAMES MENDONCA S		
13	B.E CIVIL ENGINEERING	29.03.2021 Batch 4 9:30am - 12.30 pm	810717103303	PAVITHRA S	APPLICATION OF LEAN MANAGEMENT IN CONSTRUCTION INDUSTRY	Dr. P.V.Premalatha - 8107089
14	B.E CIVIL ENGINEERING		810717103014	RAVINDRAM DASANGAN		
15	B.E CIVIL ENGINEERING		810717103002	ALAN S		
16	B.E CIVIL ENGINEERING		810717103009	KARTHIK K		

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

HOD - CIVIL

DESIGN AND IMPLEMENTATON OF ANDROID APPLICATION FOR MOBILE INCINERATION MANAGEMENT

A PROJECT REPORT

Submitted by

BOTHEESWARAN. J

IMRAN ASLAM. J

SRINIVASAN. S

PARVES BASHA.R
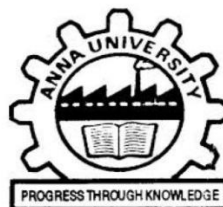
in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

CIVIL ENGINEERING
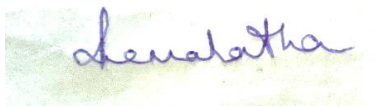
C.A.R.E GROUP OF INSTITUITIONS, TIRUCHIRAPALLI

ANNA UNIVERSITY::CHENNAI – 600 025
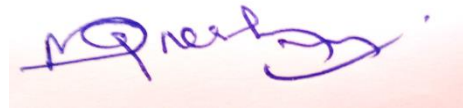
MARCH 2021

BONAFIDE CERTIFICATE

Certified that this project report **"MOBILE INCINERATION MANAGEMENT"** is the bonafide work of **BOTHEESWARAN.J (810717103005),IMRAN ASLAM.J (810717103007), SRINIVASAN.S (810717103015), PARVES BASHA.R (810717103302)"** who carried out the project work under my supervision.

SIGNATURE

Dr. P.V. PREMALATHA
HEAD OF THE DEPARTMENT

Department of Civil Engineering,
C.A.R.E Group of Institutions.
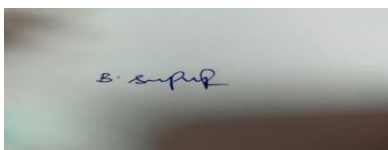Tiruchirappalli- 620 009
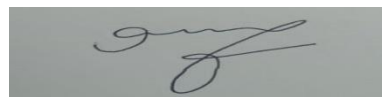
SIGNATURE

Mr.M.VIGNESHWARAN
SUPERVISOR
Assistant Professor

Department of Civil Engineering,
C.A.R.E Group of Institutions.
Tiruchirappalli- 620 009

Submitted for the Anna University practical viva held on 31-07-2021

INTERNAL EXAMINER

EXTERNAL EXAMINER

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

ABSTRACT

COVID-19 induced pandemic situations have put the bio-medical waste (BMW) management system, of the world, to test. Sudden influx, of COVID-infected patients, in health-care facilities, has increased the generation of yellow category BMW (Y-BMW) and put substantial burden on the BMW-incineration units of India. This study presents the compromising situation of the BMW-incineration units of India, in the wake of COVID-19 pandemic, from 21st March 2020 to 31st August 2020. This analysis revealed that on an average each COVID-infected patient in India generates approximately 3.41 kg/d of BMW and average proportion of Y-BMW in it is 50.44%. Further, it was observed that on 13th July 2020, the total Y-BMW, generated by both the normal and COVID-infected patients, fully utilized the BMW-incineration capacity of India. Also, it was made evident that, during the study period, BMW-incineration emitted several pollutants and their concentration was in the order: NOx> CO >SOx> PM >HCl> Cd >Pb> Hg > PCBs > Ni > Cr > Be > As. Subsequently, life time cancer risk assessment depicted that with hazard quotient >106, Cd may induce carcinogenic health impacts on both the adults and children of India. Therefore, to mitigate the environmental-health impacts associated with the incineration of BMW, evaluation of various options, viz., alternative technologies, substitution of raw materials and separate treatment of specific wastes, was also done. It is expected that the findings of this study may encourage the global auditory comprising scientific community and authorities to adopt alternate BMW-management strategies during the pandemic.

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CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

NUMERICAL STUDY ON DRY EXCAVATION USING A TIE BACK WALL

A PROJECT REPORT

Submitted by

MOHAMED YASIN. A.M
VIJAYAKUMAR. A
SATHISH KUMAR. R
SHEIKFAZAL AHAMED. S

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

CIVIL ENGINEERING

C.A.R.E COLLEGE OF ENGINEERING, TIRUCHIRAPALLI
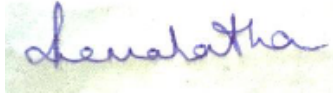

ANNA UNIVERSITY::CHENNAI – 600 025

APRIL 2021

ANNA UNIVERSITY::CHENNAI – 600 025

BONAFIDE CERTIFICATE

Certified that this project report **"NUMERICAL STUDY ON DRY EXCAVATION USING A TIE BACK WALL"** is the bonafide work of **"MOHAMED YASIN A.M (810717103010), VIJAYAKUMAR.A (810717103018), SATHISH KUMAR.R (810717103304),SHEIK FAZAL AHAMED.S (810717103305),"** who carried out the project work under my supervision.
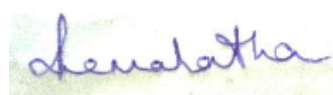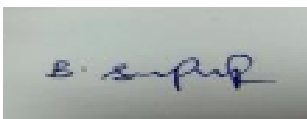
SIGNATURE	**SIGNATURE**
Dr.P.V.PREMALATHA	Dr.P.V.PREMALATHA
HEAD OF THE DEPARTMENT	**SUPERVISOR**
	Professor
Department of Civil Engineering	Department of Civil Engineering
C.A.R.E COLLEGE OF ENGINEERING	C.A.R.E COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI-620009	TIRUCHIRAPPALLI-620009
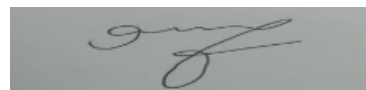
Submitted for the Anna University practical viva held on_____31-7-2021_____

INTERNAL EXAMINER   **EXTERNAL EXAMINER**

ABSTRACT

The objective of this project book is to apply the concept of Dry excavations are common in urban areas, nearby existing constructions. The support systems have the main function of preserve the stability and control soil displacements close to the excavation. Settlement control of nearby structures is an essential aspect during design and construction. Settlements prediction is usually made by empirical methods and in some cases also by numerical modelling. The paper presents a numerical modelling of a dry excavation by Plaxis program. The program allows the prediction of stress and deformation behaviour of different geotechnical constructions using the Finite Element Method. The excavation has been modelled in five stages, in order to reproduce the construction phases. The numerical modelling was capable to reproduce satisfactorily the horizontal profile of the displacements of the diaphragm wall. In relation to settlements, the shape of the settlement profile was quite similar. in economical point of aspect

Hence, the experimental investigation and numerical study on Dry excavation is done using basis of excavation studies.

Keywords: Staged construction, Diaphragm wall, Interface (rigid, flexible), Anchor (node-node), Closed Flow boundary, Deep excavations,Settlements, Stress, Numerical Modelling,Plaxis

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ii

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DEPARTMENT OF CIVIL ENGINEERING

Survey Camp Reports

CARE

Center for Applied Research & Education

DEPARTMENT OF CIVIL ENGINEERING

SURVEY CAMP REPORT

CLASS　　　　　　 : III YEAR CIVIL
SEMESTER　　　　 : V
SUBJECT CODE　　 : CE6512– SURVEY CAMP

Duration : 5 days (7-10-2019) to 11-10-19)

Venue : Rock Fort.

Register No : 810717103004.
Name : BALAJI. S.
Date : 17-10-2019.

Faculty In-charge

CARE

Center for Applied Research & Education

DEPARTMENT OF CIVIL ENGINEERING

SURVEY CAMP REPORT

CLASS   : III YEAR CIVIL
SEMESTER   : V
SUBJECT CODE   : CE6512– SURVEY CAMP

Duration : 5days (7-10-2019) to 11-10-19)

Venue : Rock Fort.

Register No : 810717103009
Name : K. KARTHIK
Date : 17.10.2019

Faculty - In-charge

CARE

Center for Applied Research & Education

DEPARTMENT OF CIVIL ENGINEERING

SURVEY CAMP REPORT

CLASS : III YEAR CIVIL

SEMESTER : V

SUBJECT CODE : CE6512– SURVEY CAMP

Duration : 5 days (7-10-2019) to 11-10-19)

Venue : Rock Fort.

Register No : 810717103010

Name : A.M. Mohamed Yasin

Date : 17.10.19

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CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

Faculty - Incharge

CARE

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DEPARTMENT OF CIVIL ENGINEERING

SURVEY CAMP REPORT

CLASS	: III YEAR CIVIL
SEMESTER	: V
SUBJECT CODE	: CE6512– SURVEY CAMP

Duration : 5 days (7-10-2019) to 11-10-19)

Venue : Rock fort.

Register No	: 810717103303
Name	: S.PAVITHRA
Date	: 17. 10.19

Faculty - In-charge

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

CARE

Center for Applied Research & Education

DEPARTMENT OF CIVIL ENGINEERING

SURVEY CAMP REPORT

CLASS   : III YEAR CIVIL
SEMESTER   : V
SUBJECT CODE   : CE6512– SURVEY CAMP

Duration : 5 days (7-10-2019) to 11-10-19)

Venue : Rockfort.

Register No   : 810717103012
Name   : K. RAGUL
Date   : 17.10.2019.

Faculty In-charge

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No. 27, Thayanur, Trichy-620 009.

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(Approved by AICTE and Affiliated to Anna University, Chennai)

27, Thayanur, Trichy – 620009

DEPARTMENT OF CIVIL ENGINEERING

INTERNSHIP DETAILS 2020- 21

S.No	Reg.No	Student Name	Company Name	Duration
1	810718103001	ARUNKUMAR B	P.M.K Construction, Trichy	28 days
2	810718103002	KANDHAKUMAR A	Sansons Civil Consultant,	28 days
3	810718103005	MUKILAN MARSHAL V	P.M.K Construction, Trichy	28 days
4	810718103006	NANDHAKUMAR M	Suresh Constructions, Mannargudi	28 days
5	810718103008	SANMUGAPRIYA P	ADN Builders, Puthukottai	28 days
6	810718103009	VANATHI T	Joe Prakash Construction Limited	28 days
7	810718103301	VARSHNI R	S.K Construction, Trichy	28 days
8	810720103002	GUNALAN S	CSM Structural Designs	10 days
9	810720103003	IYYAPPAN R		10 days
10	810720103004	JASMINE M		10 days
11	810720103005	KAVIMANI S		10 days
12	810720103006	KAVIYA V		10 days
13	810720103010	RAJMOHAN K	Unified Interior Pvt Limited	10 days
14	810720103011	SIVA SHANMUGAM S		10 days
15	810720103012	SUDHARSAN M		10 days

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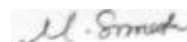**DEPARTMENT OF CIVIL ENGINEERING**

INTERNSHIP DETAILS 2020-12

S.No	Reg.No	Student Name	Company Name	Duration
1	810717103002	ALAN S	Jai Constructions	28 days
2	810717103004	BALAJI S	Jai Constructions	28 days
3	810717103005	BOTHEESWARAN J	Jai Constructions	28 days
4	810717103007	IMRAN ASLAM J	Architect	28 days
5	810717103008	JAMES MENDONCA S	Jai Constructions	28 days
6	810717103009	KARTHIK K	ARH Builders	28 days
7	810717103010	MOHAMED YASIN A M	Jai Constructions	28 days
8	810717103012	RAGUL K	Jai Constructions	28 days
9	810717103014	RAVINDRAM DASANGAN	Ranjith Constructions	28 days
10	810717103015	SRINIVASAN S	Jai Constructions	28 days
11	810717103016	TAMILARASAN V	Jai Constructions	28 days
12	810717103018	VIJAYAKUMAR A	Jai Constructions	28 days
13	810717103302	R.PARVES BASHA	Sekar Constructions	28 days
14	810717103303	S.PAVITHRA	Rockcity Read Mix Concrete	28 days
15	810717103304	R.SATHISH KUMAR	ARH Builders	28 days
16	810717103305	S.SHIEK FAZAL AHAMED	ARH Builders	28 days

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

HOD - CIVIL

P.M.K.CONSTRUCTIONS
Civil and Fire Bricks Lining Contractor

GSTIN. 33ANWPP2985J2Z4
PAN No. ANWPP2985J

5/12, Kaliappan Colony
Kallakudi – 621 652
Trichy,
Tamil Nadu
Mob : 9715455667

PMK
CONSTRUCTIONS

Prop: X.PITCHAI MARY

Date: 01.07.2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr.Arun Kumar.B (Reg.No : 810718103001)**, pursuing his Final year B.E Civil Engineering in CARE Group of Institutions, Trichy has successfully completed his Internship at our **PMK Constructions, Kallakudi** from **01.06.2021 to 30.06.2021**.

We found his sincere, hardworking, technically sound and result oriented. He worked well as part of a team during her tenure. We take this opportunity to wish him all the best for his future.

For PMK Constructions,

Dr.X John Britto M.E., Ph.D.,

Civil and Lining Contractor |Concrete and Structural Consultant | Building Solutions

Scanned with CamScanner

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

SANSONS

CIVIL Engg CONSULTANT & CONTRACTORS

32-B, Meenatchi Theatre Road,
RAJAPALAYAM - 626 117.

CIVIL
CONSULTANCY

Er. R. SARAVANAN M.E.,A.I.V.,MISTE.,
Licensed Surveyor, Approved Valuer

Er. R. MURUGANANTHAM ME.,(struc.,)
Licensed Surveyor

Cell: **94868 62884, 98654 81738**
93675 21487, 97912 86920

Email : **sansonscc@gmail.com**

PLAIN, ESTIMATE, VALUATION, STRUCTURAL DESIGNS, ARCHITECTURAL DESIGNS, LAYOUT WORKS AND CONSTRUCTIONS.

INTERSHIP TRAINING CERTIFICATE

NAME : **A. KANTHAKUMAR, (810718103003)**

FATHER NAME : **K. ARUMUGAM,**

ADDRESS : 219, SANKARAPANDIAPURAM STREET
RAJAPALYAM – 626117

NAME OF INSTITUTION : **CARE COLLEGE OF ENGINEERING.**
TRICHY.

COURSE : Bachelor of Civil Engineering – **FINAL YEAR**

PERIOD FROM : **01 / 06 / 2021**

TO : **30 / 06 / 2021**

PLACE OF TRAINING : a. **RESIDENTIAL BUILDING (1264 Sq.ft)**
(Footing Erection to Plinth beam level)
"SAKTHI SAI NAGAR" Rajapalayam.
b. **School Building (plastering) at**
KARIVALAM VANTHA NALLUR.
c. **POMMY'S Garments staff quarters (Solid Block work),**
at SEITHOOR.
OFFICE WORK & OUR PROJECT WORK

During the above period the candidate Learned and Studying the Site Supervising, Material requirements at site and Office work like Detailed Drawing and Estimation. He involved in the Site work and Office works, also this period his conduct is good.

SITE INCHARGE

ENGINEER

15.12.2021

Er. R. SARAVANAN ME.,AMIE.,AIV.,MISTE
Approved Valuer, Registered Engineer,
Chartered Engineer, Licensed Surveyor
SANSONS CIVIL CONSULTANT
27/1, Meenatchi Theatre Road
RAJAPALAYAM - 626 117,
Cell: 94868 62884, 98654 81738
sansonscc@gmail.com

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

JAYARAMAN M
Cell: 9842455485

JAI CONSTRUCTIONS

NO.16 B, RENGA NAGAR 1ˢᵗ CROSS, K.K.NAGAR, TRICHY-2

Date:29.03.2021

CERTIFICATE FOR INTERNSHIP

This is to certify that **Mr.Botheeswaran J**,Final year Civil Engineering student of C.A.R.E Group of institution has satisfactorily completed his implant training from 07.12.2020 to 15.12.2020 and 18.12.2020 to 12.01.2021.

We wish Mr.Botheeswaran J success in his future endeavors.

Mr. JAYARAMAN M

Corporation civil Contractor

JAI Constructions
No.16B, Renga Nagar, 1st Cross,
K.K. Nagar, Trichy-21.
Cell: 98424 55485
Prop: M. JAYARAMAN

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

ARCHITECT
Fast and Modern

S. Jawahar Ali 94860 91881
B. Mohamed Shahir 99941 11782

Date: 15 JAN 2021

INPLANT TRAINING CERTIFICATE

This is to certify that **Mr. Imran Aslam. J** final year Civil Engineering from **C.A.R.E COLLEGE OF ENGINEERING** has attended an Inplant training at civil works on our **ARCHITECT FAST AND MODERN,** Pandaravadai from 05/12/2020 to 14/01/2021. On this period he would learn the undergoing civil works from our company and it will help to their studies.

ENGINEER

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

Email : architect.fnm@gmail.com
2/186, South Muslim Street, Govindakudi.
4/5, East Street, Pandaravadai.

CARE

COLLEGE OF ENGINEERING

(Approved by AICTE and Affiliated to Anna University, Chennai)

27, Thayanur, Trichy - 620009

Year/SEM: IV/VIII | **Dept of Computer Science and Engineering** | Batch: 2017-21
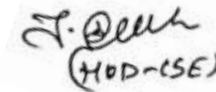
S. No.	Reg No	Name of the Student	Domain Name	Project Title	Guide name
1	810717104002	S.P.Bharath	Machine Learning	Android based Crop price forcasting system usng Regression Algorithm	Mr.A.Kathiravan Assistant Professor-CSE
	810717104011	M.Renuga Sri			
2	810717104001	Aakash varma	Android Mobile Application	Spotting the sudden tumble using Android mobile application by giving alert message	Mr. Muthukumaran Assistant Professor-CSE
	810717104015	R . Suga Priya			
3	810717104016	S.Thirumurugan	cyptography	Privacy Preserving Voting Scheme Based on Blockchain Technology	Mr.G.Dinesh Assistant Professor-CSE
	810717104701	M.Thaha Naveeth			
4	810717104010	S. Ramesh	Image Processing	ANDROID BASED DIAGNOSIS OF PEST AND PLANT DISEASE USING TENSORFLOW	Mr.A.Kathiravan Assistant Professor-CSE
	810717104018	A.Zumaana Haseen			
5	810717104009	S.Rajalakshmi	Machine Learning	RICE LEAF DISEASES SOLUTION BY PATHOLOGISTS USING ADAM ALGORITHM	Mr.G.Dinesh Assistant Professor-CSE
	810717104008	T. Peer Mohamed			
6	810717104005	M.Jona Ahashiny	cyber security	Smart WI-FI Manager using port scanner	Mr.K.Mahadevan Assistant Professor-CSE
	810717104017	R.Vasuki			

(HOD-CSE)

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

ANDROID BASED CROP FORECASTING SYSTEM USING REGRESSION ALGORITHM

A PROJECT REPORT

Submitted by

BHARATH S.P   **(Reg.No.810717104002)**

RENUGA SRI M   **(Reg.No.810717104011)**

in partial fulfillment for the award of the degree

Of

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING

CARE COLLEGE OF ENGINEERING, TIRUCHIRAPPALLI-620 009

ANNA UNIVERSITY:: CHENNAI-600 025

MARCH 2021

i

ANNA UNIVERSITY:: CHENNAI-600 025

BONAFIDE CERTIFICATE

Certified that this project report **"ANDROID BASED CROP PRICE FORECASTING SYSTEM USING REGRESSION ALGORITHM"** is the bonafide work of **"BHARATH S.P (Reg.No.:810717104002) and RENUGA SRI M (Reg. No.:810717104011)"** who carried out the project under my supervision

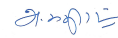|	
SIGNATURE	SIGNATURE
Dr.J. SURESH M.E., Ph.D.,	Mr A. KATHIRAVAN M.E.,
	ASSISTANT PROFESSOR,
HEAD OF THE DEPARTMENT,	SUPERVISOR,
DEPARTMENT OF CSE,	DEPARTMENT OF CSE,
CARE COLLEGE OF ENGINEERING,	CARE COLLEGE OF ENGINEERING,
TIRUCHIRAPPALLI – 620009	TIRUCHIRAPPALLI - 620009
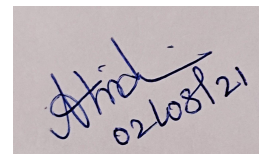
Submitted for the ANNA UNIVERSITY project viva-voce held on ___02.08.21___ at CARE College of Engineering.

INTERNAL EXAMINER   EXTERNAL EXAMINER

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

ii

ABSTRACT

In the recent years, due to the uncertain climatic variations, natural calamities and other issues like the price of the crop has varied to a larger level. Farmers are uninformed of these uncertainties, which cause massive loss. The developing Crop Price Forecasting System is a well-designed System which provides accurate results in predicting price for the selected crops in a particular market. In this process there are three actors, The Administrator, The Agricultural Department and end user.

The Admin maintains the entire System, The Departments and end users can view the Price Prediction. For this problem, we are using the supervised machine learning Algorithm for price prediction, So the end users can view prices for their selected crops in a particular market before sowing. The Parameters considered for Price Prediction are- State, District, Market name, Commodity, Crop Arrival Date, Rainfall and Minimum support price (MSP). The algorithm which we are using Random forest regressor, decision tree regressor and support vector regressor, among the algorithms Random forest regressor has the highest accuracy by using this method the end users are able to get a right price for their crops in the market.

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

iv

SPOTTING THE SUDDEN TUMBLE USING ANDROID MOBILE APPLICATION BY GIVING ALERT MESSAGE

A PROJECT REPORT

Submitted by

M.B.AAKASH VARMA   (810717104001)

R.SUGAPRIYA   (810717104014)

in the partial fulfillment for the award of thedegree

of

BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE AND ENGINEERING

CARE COLLEGE OF ENGINEERING, TIRUCHIRAPPALLI - 620009

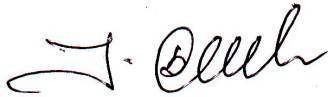## ANNA UNIVERSITY: CHENNAI 600 025

MARCH 2021

i

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "**SPOTTING THE SUDDEN TUMBLE USING ANDROID MOBILE APPLICATION BY GIVING ALERT MESSAGE**"

is the bonafide work of **"M.B.AAKASH VARMA (810717104001),**

R.SUGAPRIYA (810717104014)" who carried out the project under my supervision.

SIGNATURE   **SIGNATURE**

Dr.J.SURESH M.E., Ph.D.,   **Mr.C.MUTHUKUMARAN M.E.,**

HEAD OF THE DEPARTMENT,   **SUPERVISOR,**

                                                               ASSISTANT PROFESSOR,

DEPARMENT OF CSE,   **DEPARMENT OF CSE,**

CARE COLLEGE OF ENGINEERING,   **CARE COLLEGE OF ENGINEERING,**

THAYANUR,   **THAYANUR,**

TIRUCHIRAPPALLI – 620009   **TIRUCHIRAPPALLI - 620009**
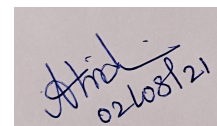

Submitted for the ANNA UNIVERSITY project Viva-Voce held on

_____02.08.21_____ at CARE College of Engineering.

INTERNAL EXAMINER   ii   **EXTERNAL EXAMINER**

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

ABSTRACT

In fast forward world of technology, everyone is running behind the mobile application and they need all the information on the mobile phone itself. The elderly population poses dramatic challenges in the public healthcare domain. Adoption of an efficient and yet highly reliable automatic fall detection system may not only mitigate the adverse effects of falls through immediate medical assistance but also profoundly improve the functional ability and confidence level of elder people. This application has been introduced to help the falling person with an immediate alert to the neighbour contacts and give live location and information about the user. The neighbours can easily get to know whether the user is really seeking help. By using the application, neighbour can help the nearest user.

This application has add-on option giving hospitals location to help the suffering user. When user is about to fall some amount of pressure has been given to mobile phone through which the application gathers the pressure information by using accelerometer sensor. Once the accelerometer start getting the pressure count it immediately turn on the alarm screen, after 30 seconds of alarm screen an alert message will be sent to user's emergency contact list. So that the user can seek immediate help from their neighbours. This concept is most helpful for the older people. This application will be user-friendly. The motivation of this application isto reduce the falling count of human beings and to help the society.

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

iv

CARE

COLLEGE OF ENGINEERING

Department of Computer Science and Engineering
Internship Details (2020 - 2021)

S.No.	Reg.No.	Student Name	Company name	Duration
1	810717104002	Bharath S P	Shiash Info Solutions Private Limited	15.07.2020 - 20.07.2020
2	810717104005	Jona Ahashiny M		
3	810717104010	Ramesh S		
4	810717104015	Sugapriya R		
5	810717104701	Thaha Naveeth M		
6	810718104002	Divya S	Fantasy Solution	19.01.2019 - 29.01.2019
7	810718104007	Keerthana P		
8	810718104008	Mahitha K		
9	810718104012	Rakshana B		
10	810718104016	Subasreee B S		
11	810718104017	Sulthani M		
12	810718104018	Syedha Mubeena M		
13	810718104003	Harihara Sudhan S	Hitakey Infosys	15.04.2021 - 24.05.5021
14	810718104011	Rajaram M		
15	810718104020	Vignesh S		
16	810718104008	Mahitha K	Internshala Trainings	17.08.2020 - 17.02.2021
17	810719104002	Adhithya A	Pantech Solutions	21-12-2020 to 05-01-2021
18	810719104004	Aravind R		
19	810719104005	Arthy N		
20	810719104006	Ayeesha Begum S		
21	810719104007	Balamurugan S		
22	810719104009	Chelci Jisha		
23	810719104011	Gopinath.G		
24	810719104012	Keerthana D M		
25	810719104013	Madhan Prasath.R		
26	810719104014	Madhu Preetha B		
27	810719104015	Nandhini.S		
28	810719104016	Nithinkarthick R		
29	810719104017	Nithya Sri R		
30	810719104018	Ram chandhar S.A		
31	810719104019	Sanjai P		
32	810719104020	Shreehar K E		
33	810719104021	Steffy Roesy J A		
34	810719104022	Swetha V		
35	810719104023	Syed Jaffer Sadiq		
36	810719104025	Vijayashree V		
37	810719104026	Vindhiya M		
38	810719104301	Ayyapan D		
39	810718104001	Akash C	Tenth Planet Technologies Pvt Ltd.,	06.08.2020 - 20.08.2020
40	810718104002	Divya S		
41	810718104005	Iyyappan P		
42	810718104007	Keerthana P		
43	810718104008	Mahitha K		
44	810718104009	Noor Faisal M		
45	810718104012	Rakshana B		
46	810718104013	Sandhya S		
47	810718104014	Sathyaseelan B		
48	810718104016	Subasree B S		
49	810718104017	Sulthani M		
50	810718104018	Syedha Mubeena M		
51	810717104001	Aakash Varma M B		
52	810717104002	Bharath S.P.		
53	810717104005	Jona Ahashiny M		
54	810717104008	Peer Mohamed T		
55	810717104009	Rajalakshmi S		
56	810717104010	Ramesh S		
57	810717104011	Renuga Sri M		
58	810717104015	Sugapriya R		
59	810717104016	Thirumurugan S		
60	810717104017	Vasuki R		
61	810717104018	Zumaana Haseen A		
62	810717104701	Thaha Naveeth M		

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(HOD-CSE)

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This is to certify that Ms/Mr. __Ayeesha Begum S (810719104006)__ of **II YEAR BE (CSE)**

from CARE College of Engineering-Trichy, has successfully completed the

Internship Programme in Android Application Development.

Duration : 21.12.2020 to 05.01.2021

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S. Arudy
Branch Manager

05.01.2021
Date of Issue

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Focus on Deliverables

20th July 2020

PMP COMPLETION CERTIFICATE

This is to certify that **Ms. JONA AHASHINY M (Reg. No. 810717104005)** a student of

B.E., (Computer Science and Engineering), Care Group Of Institutions - Trichy has

successfully completed the Internship in **Big Data Analytics and Its Applications** from

15th July 2020 to **20th July 2020** in our company. During the period, she had been exposed

to different processes and found to be Punctual, Hard Working and Inquistive.

We wish her every success in life and career.

For **Shiash Info Solutions Private Limited**

Shwetha M

Sr HR Executive

PRINCIPAL
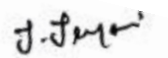CARE COLLEGE OF ENGINEERING
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CARE

COLLEGE OF ENGINEERING

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27, Thayanur, Trichy - 620009

Year / Sem: IV / VIII				**Batch: 2017 – 2021**	
			B.E. ECE		
S. No.	**Team**	**Register No.**	**Student Name**	**Title**	**Guide**
01	TEAM 1	810717106001	AARTHI B	AUTOMATED FACE MASK DETECTION AND IR TEMPERATURE DETECTION USING IOT & MACHINE LEARNING	Ms.R.Vanitha
02		810717106007	FAZULUNISHA S H		
03	TEAM 2	810717106004	DAVIS CHRISTLE RAJ V	IOT ENABLED AIR POLLUTION METER WITH DIGITAL DASHBOARD ON SMARTPHONE	Ms.R.Deepalakshmi
04		810717106016	VINOTH KUMAR C		
05	TEAM 3	810717106010	KEERTHANA C	DESIGN AND IMPLEMENTATION OF HYBRID SMART ENERGY METER USING IOT	Ms.K.Rubitha
06		810717106011	PAVITHRA MATHIYALAGAN		
07		810717106013	REHANA FARZANA J		
08	TEAM 4	810717106008	JANANI B	IOT BASED SMART CLASSROOM	Ms.M.Shiva Sankari
09		810717106006	DIVYA PREETHI S		
10	TEAM 5	810717106005	DINESH KUMAR S	SMART HEALTH MONITORING SYSTEM FOR	Mr.S.Sriram Sundar
11		810717106014	SANJAI N		

HOD/ECE

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

AUTOMATED FACE MASK DETECTION AND IR TEMPERATURE DETECTION USING IOT & MACHINE LEARNING

A PROJECT REPORT

Submitted by

B.AARTHI   (810717106001)

S.H.FAZULUNISHA (810717106007)

In partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

In

ELECTRONICS AND COMMUNICATION ENGINEERING

CARE COLLEGE OF ENGINEERING,TRICHY
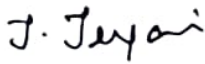
ANNA UNIVERSITY: CHENNAI 600 025

APRIL 2021

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report **"Automated Face Mask Detection And IR Temperature Detection Using IoT& Machine Learning"** is the bonafide work of **AARTHI.B (810717106001), FAZULUNISHA.S.H (810717106007)**who carried out the project work under my supervision.
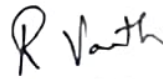
SIGNATURE

SIGNATURE

Dr.J.JEYARANI, M.E.,Ph.D.,

R.VANITHA, M.E.,

Associate Professor,

Assistant Professor,

HEAD OF THE DEPARTMENT

SUPERVISOR

Department of ECE,

Department of ECE,

CARE COLLEGE OF ENGINEERING,

CARE COLLEGE OF ENGINEERING,

27,Thayanur,
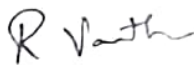
27,Thayanur,

Tiruchirappalli-620009.

Tiruchirappalli-620009.

Submitted for the ANNA UNIVERSITY project viva-voce held on ___30.7.2021___ at CAREcollege of engineering,Trichy-620009.

INTERNAL EXAMINER

ENTERNAL EXAMINER

ii

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

ABSTRACT

The easy of the accessibility of Internet and the popularity of Machine Learning have been the prime reasons in the increase of prediction in many areas. COVID 19 pandemic is caused by coronavirus is continuously spreading until mow all over the world.This impact is already fallen on all sectors of development.Many precautionary had been taken to reduce the spread of coronavirus.Wearing mask in all places is the primary measure take by the government to reduce the spread of virus and also many institutions and schools were to be opened. In this project we proposed a system that avoids spread of corona virus by finding out people who are not wearing face mask in the institution or in apublic place are monitored by a camera.While a person is selected without a mask, the correspondingauthority isinformed through college network and also gives warning tones.A deep learning architecture is trainedon a dataset that consists of people with and without mask collected from various sources.The trainedarchitecture achieves 99% accuracy on monitoring people with and without mask without fail.With the above system an IR temperature monitoring system is embedded to monitor the body temperature ofeach individual person without touching.Hope our study would be useful to reduce the spread of COVID-19 virus.

PRINCIPAL
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No. 27, Thayanur, Trichy-620 009.

IV

IOT BASED

SMART CLASSROOM SYSTEM

A PROJECT REPORT

Submitted by

DIVYA PREETHI. S   **(810717106006)**

JANANI. B   **(810717106008)**

in partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

CARE COLLEGE OF ENGINEERING, TRICHY-09

ANNA UNIVERSITY: CHENNAI 600 025

MARCH 2021

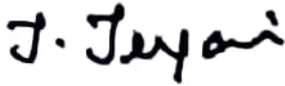i

CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report **"IOT BASED SMART CLASSROOM SYSTEM"** is the bonafide work of **DIVYA PREETHI.S (810717106006), JANANI.B (810717106008)** who carried out the project work under my supervision.

SIGNATURE OF

HEAD OF DEPARTMENT

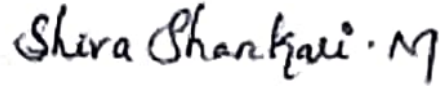**Dr.J.JEYARANI., M.E.,Ph.D.,**

Associate Professor,

HEAD OF THE DEPARTMENT

Department of ECE,

CARE Group of Institutions,

27, Thayanur,

Tiruchirappalli - 620009

SIGNATURE OF

COORDINATOR

Mrs.M.SHIVA SHANKARI, M.E.,

Assistant Professor,

SUPERVISOR

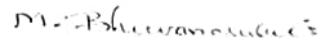Department of ECE,

CARE Group of Institutions,

27, Thayanur,

Tiruchirappalli - 620009

Submitted for the ANNA UNIVERSITY project viva-voce held on ___30.07.2021___ at CARE COLLEGE OF ENGINEERING, Trichy-620009

INTERNAL EXAMINER

EXTERNAL EXAMINER

ii

PRINCIPAL

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No. 27, Thayanur, Trichy-620 009.

ABSTRACT

Internet of Things (IoT) conceptualizes the idea of remotely connecting and monitoring real world objects (things) through the Internet. When it comes to our class rooms, this concept can be aptly incorporated to make it smarter, safer and automated. Smart classroom is the representative of the modern teaching. With the advent of modern technology, it becomes easier for the students as well as teachers to perform their task more efficiently. With the aid of modern technology, it has become easier for the students and teachers across the world to get a good grasp of the theoretical as well as practical knowledge.

This IoT project focuses on building a smart classroom system. In this project, we present such a system where classroom hold interactions is made easier by implementing automation and security along with the Internet of Things. The main goal of this project is to provide an efficient learning environment. The model of the smart classroom has been integrated by connecting the PIC microcontroller with LCD display. This model will bring the automation in the attendance, doors will automatically open & close and finally the lights and fans in the classroom are started to operate automatically, When the student enter into the classrooms.

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iv

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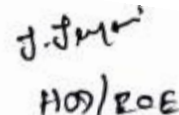**Department of Electronics and Communication Engineering**

Internship Details 2020-2021

Duration: 21-12-2020 to 26-12-2020 and 05-01-2021 to 02-02-2021

Sl.No	Reg. No.	Student Name	Company name
1	810719106001	Adithya.P	Ally Tech, Salem
2	810719106002	Ajay kumar K	
3	810719106003	Citybabu M	
4	810719106004	Dhinakaran S	
5	810718106002	Bhakkiya R	
6	810719106006	Nishanth K	
7	810718106007	Lakshmi priya N	
8	810718106009	Shifana begum K	
9	810718106001	Balakrishnan V	
10	810719106009	Vijei R	
11	810718106003	Divagar A	
12	810719106008	Raja rajeswari S	
13	810718106004	Gopinath M	
14	810718106010	Suriya S	
15	810718106008	Mohamed Riyas K	
16	810717106001	Aarthi B	
17	810718106301	Nagarajan P	
18	810719106005	Gunasekaran S	
19	810717106014	Sanjai N	
20	810717106006	Divya preethi S	
21	810717106005	Dinesh kumar S	
22	810717106007	Fazulunisha S H	
23	810717106004	Davis Christle Raj V	
24	810717106011	Pavithra Mathiyalagan	
25	810717106010	Keerthana	
26	810717106008	Janani	
27	810718106005	Jayaprasad S	Neelavath Software Solutions, Coimbatore

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CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

HOD/ECE

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COMPLETION CERTIFICATE

Respected Sir/Madam

Sub: Certificate of completion of internship

This is to inform that **Mr NAGARAJAN P [810718106301]** third year in
**BACHELOR OF ENGINEERING (BE) in ELECTRONICS & COMMUNICATIONS
ENGINEERING** Student of **CARE College of Engineering**, Trichy-620009
she has completed her internship in **IOT using Machine learning** in our Company
the duration between 21-12-2020 to 26-12-2020.

Signature,

(Mr. R.PRABHAKARAN)

HR Manager

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

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Advaitha Ashram Rd, Fairlands,
Salem, Tamil Nadu - 636016

Date: 08/02/2021

<u>To Whom It May Concern</u>

This is to Certify that Mr. JAYA PRASAD S (810718106005), a Student of Bachelor of Engineering (ECE), C.A.R.E GROUP OF INSTITUTIONS, Tiruchirapalli has successfully completed his 30 days Internship with us from 05-Jan-2021 to 05-Feb-2021 in Mobile Application Development (Android). During the period of his Internship Program with us he was found punctual, hardworking and inquisitive.

We wish him all the success for future Endeavors.

Authorized Signature

HR Manager

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

DEPARTMENT OF MECHANICAL ENGINEERING
ME 8811 - PROJECT WORK
IV MECHANICAL (2017-2021 Batch) / 8th SEMESTER

SI.NO	BATCH NO	REGISTER NO.	NAME OF THE STUDENT	INTERNAL GUIDE	AREA	TITLE
1		810717114030	SURAJE V			
2	1	810717114023	NITHEESHKUMAR C	Mr.J.Muthu kumar	Composite Analysis	Analysis of Thermal insulation for Bamboo Coir Reinforced Composites
3		810717114010	DIVAGAR M			
4		810717114305	JOSHUAJESHMILON LD			
5		810717114021	MOHAMED MUBASIL			
6	2	810717114015	HEYRAM G	Mr.J.Muthu kumar	Composite Analysis	Mechanical Properties of Bamboo fibre jovar reinfored epoxy composites
7		810717114033	YUGESH P			
8		810717114013	GURUPARAN M			
9		810717114308	MANIKANDAN M			
10		810717114014	HARIPRASATH M			Analysis of Mechanical Properties of Aluminum based IN-SITU formed metal matrix Composites
11	3	810717114019	LAKSHMI NARASIMHAN S	Dr.B.Gobala krishnan	Composite Analysis	
12		810717114017	KAMAL RAJ M			
13		810717114026	RAJESH KANNAN K			
14		810717114007	ARUN BALAN S			Fabrication and Characterization of Composite from Natural Fibre and Waste Plasticfor Thermal Insulation
15	4	810717114301	AMBROSE A	Mr.S.Karthick	Vibration Analysis	
16		810717114302	BANU PRIYA K			
17		810717114003	ANANDHAKUMAR M			
18		810717114310	YOGESWARAN K			Improvement of Vibration Characterstics using different fibre treatment methods on natural fibre composites
19	5	810717114005	ANTONY RAJ E	Dr.D.R.Raj Kumar	Vibration Analysis	
20		810717114025	PRASANNA KUMAR S			
21		810717114304	DONIFLAYER P			
22		810717114029	SHEIK IMTIYAZ			Experimental Investigation of Palmra Sprout Fibre and E-Glass Fibre SIC reinforced with Polyster Resin
23	6	810717114303	CHARLES ARNONE IK	Mr.S.Maheswaran	Composite Analysis	
24		810717114002	AMARNATH G			
25		810717114309	POOBALAN M			
26		810717114306	KATHIR R			Performance and emisssion characerstics of CI engine fuelled with Aegle marmelos biodiesel
27	7	810717114016	JEGANKUMAR P	Mr.P.Manivannan	Thermal	
28		810717114028	SATHEESH R			
29		810717114011	GANGATHARAN P			
30		810717114012	GIRIDHAR A			Design and Fabrication of Magnetic Braking System
31	8	810717114018	KARTHIK R	Mr.P.Muthu kumar	Design	
32		810717114032	YOGARAJAN G			

CO ORDINATOR

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

HOD/MECHANICAL

FABRICATION AND EXPERIMENTAL ANALYSIS OF MECHANICAL PROPERTIES OF BAMBOO E-GLASS REINFORCED COMPOSITE

A PROJECT REPORT

Submitted by

GURUPARAN M	**(810717114013)**
HEYRAM G	**(810717114015)**
MOHAMED MUBASIL K	**(810717114021)**
YUGESH P	**(810717114033)**

In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

CARE GROUP OF INSTITUTIONS

ANNA UNIVERSITY: CHENNAI 600 025

APRIL 2021

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this Design and Fabrication Project Report "**FABRICATION AND EXPERIMENTAL ANALYSIS OF MECHANICAL PROPERTIES OF BAMBOO E-GLASS REINFORCED COMPOSITE"** is the bonafide work of

GURUPARAN M	**(810717114013)**
HEYRAM G	**(810717114015)**
MOHAMED MUBASIL K	**(810717114021)**
YUGESH P	**(810717114033)**

who carried out the project report work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate

HEAD OF THE DEPARTMENT

Dr. D.R. RAJKUMAR, M.E, Ph.D.,

Head of the Department,
Assistant Professor,
Department of Mechanical Engineering,
CARE Group of Institutions,
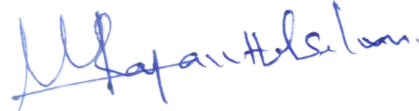Trichy-620009.

SUPERVISOR

Mr. J. MUTHUKUMAR

Assistant Professor,
Department of Mechanical Engineering,
CARE Group of Institutions,
Trichy-620009.

Submitted for the ANNA UNIVERSITY project viva-voce held on
02-08-2021

INTERNAL EXAMINER

EXTERNAL EXAMINER

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

ii

ABSTRACT

This project work explores the characteristics of mechanical and thermal insulation properties of a Bamboo E-Glass Reinforced Composite (BERC). Bamboo fiber extraction is process completed under chemical treatment of sodium hydroxide (NaOH). The collected fibers are used to fabricate composite material trapped in various fiber volume fractions of thermoset resins (Polyester). There are three variations in fiber volume fraction, the first specimen, Bamboo fiber and E-Glass fiber trapped 40% and 10% respectively. Second specimen Bamboo fiber and E-Glass fiber trapped 40% and 20% respectively. And the third specimen Bamboo fiber and E-Glass fiber trapped 40% and 30% respectively. Composite made up with 7 layers and different angle orientation. Plates of these fibers are made with a compression molding machine to investigate the mechanical properties, these specimens were subjected to tensile, shear, flexural, impact, hardness, and water absorption tests. The Guarded Heat Flow Meter Method reveals the thermal insulation property.

Keywords: Bamboo fibre, E-Glass fibre, NaOH, Polyester.

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

iv

IMPROVEMENT OF VIBRATION CHARACTERISTICS USING DIFFERENTIAL FIBRE TREATMENT METHODS ON NATURAL FIBRE COMPOSITES

PROJECT WORK

Submitted by

ANANDHA KUMAR M	**(810717114003)**
ANTONY RAJ E	**(810717114005)**
PRASANNA KUMAR S	**(810717114025)**
YOGESWARAN K	**(810717114310**)

In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

CARE GROUP OF INSTITUTIONS

ANNA UNIVERSITY: CHENNAI 600 025

APRIL 2021

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

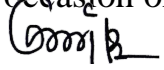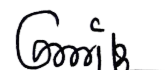## ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this Design and Fabrication Project Report "**IMPROVEMENT OF VIBRATION CHARACTERISTICS USING DIFFERENTIAL FIBRE TREATMENT METHODS On NATURAL FIBRE COMPOSITES**" is the bonafide work of

ANANDHA KUMAR M	**(810717114003)**
ANTONY RAJ E	**(810717114005)**
PRASANNA KUMAR S	**(810717114025)**
YOGESWARAN K	**(810717114310)**

who carried out the project report work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate

HEAD OF THE DEPARTMENT
Dr. D.R. RAJKUMAR, M.E, Ph.D.,
Department of Mechanical Engineering,
CARE Group of Institutions,
Trichy-620009.

SUPERVISOR
Dr. D.R. RAJKUMAR, M.E, Ph.D.,
Assistant Professor,
Department of Mechanical Engineering,
CARE Group of Institutions,
Trichy-620009.

Submitted for the ANNA UNIVERSITY project viva-voce held on ____02-08-2021____

INTERNAL EXAMINER

EXTERNAL EXAMINER

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

ABSTRACT

From decades, natural fibers in the form of reinforcements in polymer composites have been a test subject for scientists because of its growing familiarity wide range of applications. Now a day's polymeric materials are used in almost all the applications because of their specific characteristics such as light weight, selflubrication capability and reduced noise. Composite materials with thermoplastic matrices and a reinforcement of natural fibers are increasingly regarded as an alternative to material replacement for various applications. The substitution of the traditionally used composite of natural fibers such as sisal, banana and jute can lead to a reduction of the component's weight and furthermore to a significant improvement of specific properties like tensile strength, Flexural strength,Shear Strength,Thermogravimetric analysis and Vibration Strength . Natural fibers, as reinforcement, have recently attracted the attention of researchers because of their advantages over other established materials. They are environmentally-friendly, fully biodegradable, abundantly available, non-toxic, non-abrasive, renewable, and cheap, and have low density.In this project , we have to find the different method for to improve the vibration characteristics natural fibers.

Keywords: Kneaf fibre, Ridge Gourd fibre,Waste Plastic Materia, NaOH, Polymer Hardner.

CARE
COLLEGE OF ENGINEERING

(Approved by AICTE and Affiliated to Anna University, Chennai)
27, Thayanur, Trichy - 620009.
Department of Mechanical Engineering
Internship Details 2020-2021

SL.No.	Reg. No.	Student Name	Company Name	Duration
1	810719114001	Dhanasekaran G	CARE 24 MANAGEMENT AND TECHNOLOGIES PRIVATE LIMITED, TRICHY.	02-12-2020 to 15-12-2020.
2	810719114002	Hashim Aslam M		
3	810719114005	Mohammad Reyad S		
4	810719114006	Navaneetha Krishnan R		
5	810719114007	Nelson Ramkumar B		
6	810719114008	Parthasarathi N		
7	810719114009	Shahid Afridi S		
8	810719114011	Venukanth S		
9	810719114301	Sugankumar S		
1	810718114303	Loganathan M	ACE -AUTOMATION, CHENNAI.	01.02.2021 - 12.03.2021
2	810718114002	Deepakkumar M		
3	810718114003	Dhanush V		
4	810718114004	Gokulnath N		
5	810718114007	Gokulram M		
6	810718114007	Saminathan P		
7	810718114008	Surya K		
8	810718114009	Thiruppathi P		
9	810718114010	Vijayabalan K		
1	810718114006	**Hemanth Raj PK**	RANE BRAKE LINING,TRICHY.	20.01.2021 - 11.03.2021
2	810718114301	Akash M		
3	810718114302	Dharmaraj P		
4	810718114305	Manicka Karthick C		
5	810718114306	Subash M		
6	810718114701	Harish Natarajan K		
1	810717114010	DIVAGAR M	HAUTE FASHION PVT. LTD, ENGLAND.	11.10.2020 - 30.12.2020
2	810717114011	GANGATHARAN P		
3	810717114012	GIRIDHAR A		
4	810717114014	HARIPRASATH M		
5	810717114015	HEYRAM G		
6	810717114016	JEGANKUMAR P		
7	810717114019	LAKSHMI NARASIMHAN S		
8	810717114021	MOHAMED MUBASIL		
9	810717114023	NITHEESHKUMAR C		
10	810717114025	PRASANNA KUMAR S		
11	810717114026	RAJESH KANNAN K		
12	810717114028	Satheesh R		
13	810717114029	Sheik Imtiyaz		
14	810717114032	Yogarajan G		
15	810717114301	Ambrose A		
16	810717114306	Kathir R		
17	810717114310	Yogeswaran K		

CO ORDINATOR

HOD/MECHANICAL

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

CARE 24 MANAGEMENT AND TECHNOLOGIES PRIVATE LIMITED

Integrated Facility Management & Smart Automation Technologies Company

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Hashim Aslam M**, B.E. Mechanical Engineering Student of CARE GROUP OF INSTITUTIONS, Trichy has done his Internship at our organization from **02-12-2020 to 15-12-2020**.

During the said period he was Good, Enthusiastic and was active in completing the assignments given to him.

We wish him all the very best for his future endeavors.

Thanking you,
For Care 24 Management and Technologies Private Limited,

Chief Executive Officer

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

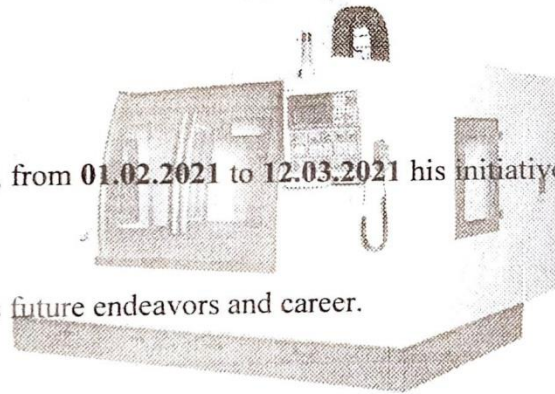# Ace Automation

(An ISO 9001 - 2015 Certified Company)

12th March 2021

CERTIFICATE

This is to certify that **Mr. Loganathan** Third Year Mechanical Engineering student of **CARE College of Engineering, Trichy** has successfully completed Inplant Training in our organization.

During the Training period, from **01.02.2021** to **12.03.2021** his initiative and behavior was found to be good.
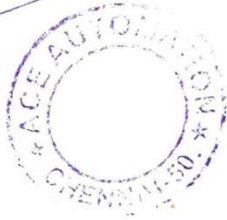
We wish him the best in his future endeavors and career.

For ACE Automation,

S.SHANKAR

CEO

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

Rane Brake Lining Limited

Rane

Plant - 4, Sethurapatti Village,
Fathima Nagar (PO),
Trichy - 620 012.

EPABX : 88700 11771-2
Direct : 88700 11773
Web : www.rane.co.in
CIN : L63011TN2004PLC054948

11-Mar-21

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Hemanth Raj P K** *B.E. Mechanical Engineering* student of **CARE GROUP INSTITUTIONS, Trichy** has done his **Internship** at our organization from **20-Jan-21 to 11-Mar-21**.

Internship done in **"Manufacturing Process Knowledge in Disk Pad"**.

During the said period he was Good, Enthusiastic and was active in completing the assignments given to him.

We wish him all the very best for his future endeavors.

for Rane Brake Lining Limited

K Lawrence
Deputy Manager – HR

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

Haute Fashions

Date: June 01, 2021

Certificate of Internship

To Whom It May Concern

This is to certify that **Mr. MOHAMED MUBASIL,** a student of **CARE Group of Institutions, Trichy, Tamil Nadu, India,** has successfully completed the **Internship** at Haute Fashions Private Limited, on **'Digital Marketing and E-Commerce',** during the period from **October 11, 2020 to December 30, 2020.**

We have found him to be a self-starter who is motivated, duty-bound, and Hardworking. He worked sincerely on his assignments and his performance was **Par Excellence.**

Our best wishes for his future endeavors.

For Haute Fashions Private Limited,

Basheer Ahmed Meeramohideen
(Director)

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

CARE

COLLEGE OF ENGINEERING

Master of Business Administration

PROJECT 2020-2021

BATCH 2019-2021   **SEMESTER -IV**

Register No	Student Name	Guide	Title of the Project
810719631001	Akilandeswari R	Mr. R. Venkatesh	A STUDY ON VIDEO MARKETING AND SOCIAL MEDIA
810719631002	Amala Roshini T	Mr. Sunil Allan S	A STUDY ON CUSTOMER SATISFACTION TOWARDS ONLINE SHOPPING
810719631003	Atchaya sri B	Mr.V.Stracey George	THE STUDY ON THE PERFORMANCE ANALYSIS OF COMPANIES WITH REFERENCE TO PUBLIC SECTOR BANKS
810719631004	Ayesha thasneem A	Mr. R. Venkatesh	A STUDY ON PRODUCT POSITIONING STRATEGY WITH REFERENCE TO MYNOTE COMPANY PRIVATE LIMITED
810719631005	Bharathiraja S	Mr.V.Stracey George	A STUDY ON PERCEPTION AND ATTITUDE OF JOB ASPIRANTS APPLYING FOR FOOD DELIVERY JOB – WITH RESPECT TO DOMINOS, CHENNAI
810719631006	Bhavatharani T	Ms.S. Aiswarya	A STUDY ON NON-PERFORMING ASSETS AT SELECTED BANKS IN INDIA
810719631007	Hari Bala Krishnan K	Mr. I. Francis Rebello	MARKETING TECHNIQUES OF EXIDE LIFE INSURANCE
810719631008	Kirthana R	Ms.P. Priyadharshini	A STUDY ON CUSTOMER PERCEPTION TOWARDS ONLINE SHOPPING"
810719631009	Kowshika R	Mr.V.Stracey George	STUDY ON THE EMPLOYEES PERCEPTION TOWARDS WORK FROM HOME DURING COVID 19 AND ITS IMPACT ON PRODUCTIVITY – WITH REFERENCE TO LIVE CONNECTIONS PVT LTD
810719631010	Mano S	Mr. R. Venkatesh	A STUDY ON THE OPERATIONAL PROCESS OF AGRI PROCESSING UNITS WITH REFERENCE OF FARM HARVEST
810719631011	Midhila Dhas	Mr. R. Venkatesh	A STUDY ON THE PERFORMANCE ANALYSIS OF COMPANIES WITH REFERENCE TO FOOD INDUSTRY

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

	Nilanee S	Mr.V.Stracey George	A STUDY ON ORGANIZATIONAL CITIZENSHIP BEHAVIOR AMONG PUBLIC SECTOR EMPLOYEES - WITH REFERENCE TO INDIAN RAILWAYS
810719631014			
810719631015	Priyadharshini G	Mr.V.Stracey George	A STUDY ON IMPACT OF INTERNET ADVERTISEMENT ON CONSUMER BUYING BEHAVIOUR IN TIRUCHIRAPALLI
810719631016	Rajarajeswari T	Mr. Sunil Allan S	A STUDY ON THEMATIC INVESTMENT WITH REFERENCE TO TECHNOLOGY DEVELOPMENT
810719631017	Saraswathy P	Ms.S. Aiswarya	A STUDY ON PRE MERGER AND POST MERGER OF COMPANIES
810719631018	Shafana Banu I	Ms.P. Priyadharshini	STUDY ON THE CONSUMER BUYING BEHAVIOUR TOWARDS LAPTOP
810719631019	Sindhuja C	Ms.S. Aiswarya	STUDY ON GROWTH E-COMMERCE SECTOR IN INDIA
810719631020	Smith Wigglesworth K	Ms.P. Priyadharshini	A COMPARATIVE STUDY ON DIGITAL MARKETING VS TRADITIONAL MARKETING WITH REFERENCE TO TECHNOLOGY DEVELOPMENT
810719631021	Srikanth S M	Mr. Sunil Allan S	A STUDY ON CUSTOMER AWARENESS TOWARDS HEALTH INSURANCE IN TRICHY
810719631022	Subramani R	Mr. I. Francis Rebello	A STUDY ON MAX FASHION RETAIL DIVISION
810719631023	Suganya S	Ms.S. Aiswarya	A STUDY ON FINANCIAL PERFORMANCE ANALYSIS OF PRIVATE BANK IN INDIA
810719631024	Vedharakshambika R	Ms.P. Priyadharshini	STUDY ON ECO-FRIENDLY PRODUCTS
810719631025	Viduthalai S	Mr. Sunil Allan S	A STUDY ON FUNDAMENTAL ANALYSIS OF INDIAN CEMENT INDUSTRY – WITH REFERENCE TO CEMENT INDUSTRY

"A STUDY ON VIDEO MARKETING AND SOCIAL MEDIA"

By

AKILANDESWARI. R

REGISTER NUMBER – 810719631001

Of

CARE BUSINESS SCHOOL, TRICHY

A project report submitted to the

FACULTY OF MANAGEMENT SCIENCE

In partial fulfilment of the requirements

For the award of the degree

Of

MASTER OF BUSINESS ADMINISTRATION
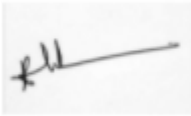
In

(Marketing and Operations)

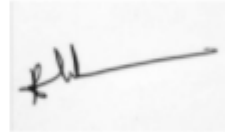**ANNA UNIVERSITY, CHENNAI-620005**

March 2021

BONAFIDE CERTIFICATE

This is to certify that the project work entitled **"A STUDY ON VIDEO MARKETING AND SOCIAL MEDIA"** is a bonafide work carried out by **Mrs. Akilandeswari.R (Register No: 810719631001)** who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation based on which a degree or award was conferred on an earlier occasion on this or any other candidate.
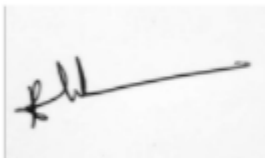
Project Guide
(Mr. R .Venkatesh)
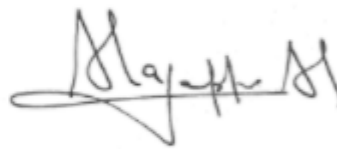Associate Professor & HOD
CARE Business School
Trichy

Head of Department
(Mr. R. Venkatesh)
Associate Professor & HOD
CARE Business School
Trichy

CERTIFICATE OF VIVA-VOCE EXAMINATIONS

This is to certify that **Mrs. Akilandeswari. R Register Number (810719631001)** has been subjected to viva-voce Examination on ___30-07-2021___ at the CARE Business School, Trichy by the duly appointed internal and external examiner of Anna University, Chennai.

Internal Examiner

External Examiner

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

ABSTRACT

During different time era's different methods of communications has developed and changed the everyday life. Video marketing and social media has become the way of communication in the 21st-century, enabling us to express our thoughts, ideas and feelings in a complete new way. This way of communication have also had a huge impact on corporations, where they have realized that without a proper plan and Video marketing and social media strategy they have no chance to stand out in the rapidly changing digital space.

To ensure a successful presence on Video marketing and social media the companies need to take different marketing theories into consideration so that they can boost their brand in diverse aspects. If this can be combined with innovative ways of consumer interaction the companies have a good chance to take the lead in Video marketing and social media marketing. To solve the problem with measuring the return on investment, companies such as HP Sweden, can implement tools like Video marketing and social media monitoring. With these tools they will be able to analyze and measure their brand or products on the social space enabling them to optimize their way of marketing.

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

MARKETING TECHNIQUES
OF
EXIDE LIFE INSURANCE

By

HARI BALAKRISHNAN K

REGISTER NUMBER – 810719631007

Of

CARE BUSINESS SCHOOL, TRICHY

A project report submitted to the

FACULTY OF MANAGEMENT SCIENCE

In partial fulfilment of the requirements

For the award of the degree

Of

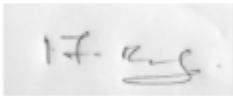**MASTER OF BUSINESS ADMINISTRATION**

In
(Marketing and Finance)

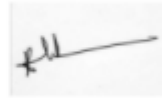**ANNA UNIVERSITY, CHENNAI-620005**

March 2021

BONAFIDE CERTIFICATE

This is to certify that the project work entitled " **MARKETING TECHNIQUE IN EXIDE LIFE INSURANCE** " is a bonafide work carried out by **Mr.HARI BALAKRISHNAN K (Register No: 810719631007)** who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation based on which a degree or award was conferred on an earlier occasion on this or any other candidate.

Project Guide

(Mr. I. Francis Rebello)

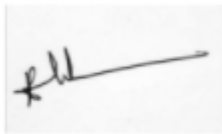**Assistant Professor**

CARE Business School

Trichy

Head of Department

(Mr. R. Venkatesh)

Associate professor

CARE Business School

Trichy

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

CERTIFICATE OF VIVA-VOCE EXAMINATIONS

This is to certify that **Mr. HARI BALAKRISHNAN K Register Number (81071963007)** has been subjected to viva-voce Examination on _30-07-2021_ at the CARE Business School, Trichy by the duly appointed internal and external examiner of Anna University, Chennai.

Internal Examiner
Examiner

External

Abstract:

The main objective of this paper is to examine the policy holder satisfaction as the key to improvement in sales. Traditionally, Insurance Industry is dependent on advisors/agents for sales. This study examines the factors that make policy holders feel satisfied and the improvements that are needed to maximize satisfaction among all policy holders.

PRINCIPAL
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CARE
COLLEGE OF ENGINEERING
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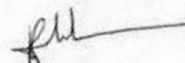
27, Thayanur, Trichy - 620009.

Master of Business Administration

Internship Details 2020-21

S.No.	Register Number	Name	Company	DURATION
1	810720631001	Akshaya N	TradePlus	
2	810720631002	Ann Shalita D'Cruz	TradePlus	
3	810720631003	Arun Prakash B	Creative India	
4	810720631004	Baby Shalini V	Big Bazaar	
5	810720631005	Balaji T	Kaarlo	
6	810720631007	Devadharshini P	Nandha Infotech	
7	810720631008	Dharmadurai N	Sundaram Motors	
8	810720631009	Dinesh Kumar C	Creative India	
9	810720631010	Hari Priya C	Ventura Securities	
10	810720631011	Jacob Stephen A	Amman TRY	
11	810720631012	Jairley Agnes S	Sundaram Motors	
12	810720631013	Jayadev R	Blue Tree	
13	810720631014	Jayalakshmi M	Integrated Finance	
14	810720631015	Jeffrin Rai AJ	Adinn Advertising	
15	810720631016	Kesavan B	Amman TRY	
16	810720631017	Krishna Prasanth S	Big Bazar	
17	810720631018	Madhana Gopal T	Creative India	01-10-2021 TO 31-10-2021
18	810720631019	Meenakshi M	Kaarlo	
19	810720631020	Mohamed Mujahid S	Pure Tech	
20	810720631021	Narkish Banu M	Pure Tech	
21	810720631022	Rahul T	Adinn Advertising	
22	810720631023	Ram Balaji S	Ventura Securities	
23	810720631024	Santhosh Kumar K	Sundaram Motors	
24	810720631025	Seetha Lakshmi C	Integrated Finance	
25	810720631026	Shafrin I	Kaarlo	
26	810720631027	Sindhuja A	Nandha Infotech	
27	810720631028	Sushma Rachel R	Sundaram Motors	
28	810720631029	Sushmitha E	Sundaram Motors	
29	810720631030	Swetha M	Integrated Finance	
30	810720631031	Vasanth R	Blue Tree	
31	810720631032	Venkatesan R	Ventura Securities	
32	810720631033	Venkatesh B	Adinn Advertising	
33	810720631034	Venkatesh D	Ventura Securities	

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.

HOD - MBA

- CREATIVE GRAPHIC DESIGN ART
- INSHOP DISPLAY PRODUCTS
- OUTDOOR ADVERTISING
- LOGO BRAND DESIGN
- AUDIO FM JINGLES
- MEDIA PHOTOGRAPHY
- PAINTING & ART WORKS
- WEB DESIGNING & HOSTING

kreativ INDIA™
Designers of your Dreams

Dec 25, 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. ARUN PRAKASH .B** REG **NO: 810720631003 ADMISSION NO: M20BA003** was internship with us as a **'Digital Marketing'** in our organization from 08-Sep-2021 to 20-Oct-2021 during the period, we found him sincere, hardworking and a keen learner.

We wish him all the best in his future endeavours.

For Kreativ India

**PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.**

kreativ INDIA™
Designers of your Dreams

Date: 25 October 2021

CERTIFICATE OF COMPLETION

This is to certify that **Ms.Deva Dharshini-P,** student of **MBA(Finance and Marketing)** in **Care Business School,** has successfully completed her **MBA Cost Benefit Analysis Internship Training** in our firm dated from 14-09-2021 to 13-10-2021

We found her sincere, hardworking, dedicated and result oriented. She worked well as part of the team during her tenure, we take this opportunity to thank her and wish her all the best for future

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No. 27, Thayanur, Trichy-620 009.

Authorized Signature

CBE/HR/2021/190

09.10.2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Santhosh Kumar K** (Reg No: 810720631024) pursuing II Year MBA, In Care Business School, Trichy – 620 009, underwent an Internship in our company **M/s. T V Sundram Iyengar & Sons Pvt Ltd,** from 02-September-2021 to 09-October-2021*. He has successfully completed the Internship towards the partial fulfillment of his academic requirements.

During the Internship he showed keen interest in learning about his subject practically during his tenure with us. His conduct during the period was good.
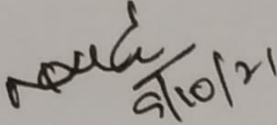
We wish him all the best in his future endeavors.

Thanking you,

Yours faithfully
For **SUNDARAM MOTORS**

(A Division of TVS & Sons Pvt Ltd)

Sr.MANAGER - HR

(N. SENTHIL KUMAR)

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*[out of 33 working days, he attended 30days; 91% attendance]

CARE

COLLEGE OF ENGINEERING

DEPARTMENT OF SCIENCE AND HUMANITIES
INTERNSHIP DETAILS (2020-21)

S.No	Register Number	Name of the student	Name of the Course that include experiential learning through project work/field work/internship	Duration
1	810720104020	Mahesh E	Graphic Designer Intern , Softrate India	10-06-2021 to 10-07-21
2	810720103001	AAKASH S		
3	810720103002	GUNALAN S		
4	810720103003	IYYAPPAN R		
5	810720103005	KAVIMANI S		
6	810720103009	PRAVEENRAJ V		
7	810720103004	JASMINE M		
8	810720103006	KAVIYA V		
9	810720103007	LAKSHMIKANTH R		
10	810720103008	NISHANTHINI K		
11	810720103010	RAJMOHAN K		
12	810720103011	SIVA SHANMUGAM S		
13	810720103012	SUDHARSAN M		
14	810720103013	THENMOZHI S		
15	810720104001	AANTO J		
16	810720104005	BHARATH RA		
17	810720104006	BHARATHI R		
18	810720104007	DEREK JOEL SAM M		
19	810720104008	DHIVYA SHREE A		
20	810720104010	GAYATHRI S		
21	810720104011	HARRISH KRISHNAN B		
22	810720104012	JAYASURYA A		
23	810720104013	JEEVARATHINAM S		
24	810720104015	KARTHIKEYAN S		
25	810720104017	KEERTHANA R		
26	810720104018	LOKESH G		
27	810720104020	MAHESH E		
28	810720104021	MOHAMED ISMAIL K		
29	810720104023	NAVIN S		
30	810720104024	PANNER SELVAM M		
31	810720104027	PAVIKA V	Internship as Campus Ambassador, Greenlac Company	17-05-21 to 14-06-21
32	810720104031	ROSHAN V		
33	810720104032	SAKTHI SHREE M		
34	810720104033	SARAVANAN R		
35	810720104037	SUVETHA S		
36	810720104038	THARSINI R		
37	810720104039	VIGNESHNATHAN R		
38	810720104040	VIJAY KRISHNA B		
39	810720104042	VIMAL SAJUE GR		
40	810720104043	YAMINI K		
41	810720106001	AFROSE JAMILA M		
42	810720106002	ANANDHACHANDRU D		
43	810720106003	BALAMURUGAN K		
44	810720106004	GADIREDDY SAMEERA		
45	810720106005	GOKUL R		
46	810720106006	JANCY RANI R		
47	810720106007	KANCHU LOKESH		
48	810720106008	KRISHNAMOORTHI S		
49	810720106010	VIGNESHWARAN G		
50	810720114002	JOE BERLIN B		
51	810720114003	KARTHIKEYAN R		
52	810720114004	MADESHWARAN P		
53	810720114007	NARESH PRABHU P		
54	810720114008	PRISTAN RAJ A		
55	810720114009	ROOBAN K		

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56	810720243002	ABISHEK RAIMAND J		
57	810720243003	ANTANY BELGIS S		
58	810720243004	APOORVA P.S		
59	810720243008	DINESH H.K		
60	810720243009	JAYALAKSHMI S		
61	810720243010	JOSEPHINE J		
62	810720243012	KAVIYARASI R		
63	810720243014	LEANDER VIKRAM KUM		
64	810720243015	LEELA ABIRAMI K		
65	810720243016	MADHUSHRI R		
66	810720243017	MAHENDRA S	Internship as Campus Ambassador, Greenlac Company	17-05-21 to 14-06-21
67	810720243018	MEENATCHI K		
68	810720243019	MOSHIKA M		
69	810720243020	MUKILAN P		
70	810720243021	MURUGANANDHAM S		
71	810720243022	NANDHA KUMAR S		
72	810720243024	NIVEDHAPRIYAN V		
73	810720243026	RAGUNATH R		
74	810720243027	RHAXMA S		
75	810720243028	SARAVANA PRABU C		
76	810720243029	SHELLY NIRANJAN S		
77	810720243030	SOWMIYA S		
78	810720243031	SRIRAM G		
79	810720243032	SURIYA R		
80	810720243033	VIGNESH M		
81	810720243034	VIKRAM K		
82	810720106001	AFROSE JAMILA M		
83	810720106006	JANCY RANI R		
84	810720106003	BALAMURUGAN K	Allytech - IOT	09-08-21 to 13-08-21
85	810720106008	KRISHNAMOORHI S		
86	810720106010	VIGNESHWARAN G		

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HOD - S&H

CERTIFICATE OF INTERNSHIP

BIC PU

This is to certify that

AAKASH S

has successfully completed their internship as a

CAMPUS AMBASSADOR in Greeniiac

from **May 17** to **June 14, 2021.**

During the period of their internship program with us,
the candidate was found punctual, hardworking and inquisitive.

Abirami Sekar
Founder & CEO of Greeniiac

Mohsina Begum.H
Co-Founder & CPO of Greeniiac

Gautham Palaniswamy
CEO, Periyar University
Business Incubation Confederation

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20th June 2021,

Dear Mahesh E,

It is our pleasure to offer you an Internship opportunity as our **Graphic Designing Intern** at Softrate India, Chennai office (remort). This appointment will begin on **10/06/2021** and will be **a One Month** Internship opportunity. We at softrate are delighted to welcome you Onboard. During your internship, the concentration will be on helping you understand the concept practically which will be useful for the on-field experience. We would like to congratulate you and welcome you to our team. We are sure that you will play a vital role in helping us achieve our mission.

We hope it will be nice working with you.

Your Appointment with us will be governed by Special Terms and conditions referred to in Annexure A and B.

Best wishes,

Ms. Swathi K

Human Resource Manager

SOFTRATE INDIA

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CERTIFICATE

Ally Tech
A friendly nation

This is to certify that **Krishnamoorthi S (810720106008)** department of

ECE of **CARE college of Engineering** ,Trichy has participated in

the one week Short Term Training Program on

Embedded System and Semiconducting Device

held from **9-8-2021** to **13-08-2021**

Managing Director

PRINCIPAL
CARE COLLEGE OF ENGINEERING
No. 27, Thayanur, Trichy-620 009.