



Anand Nagar, Krishnankoil - 626126, Srivilliputtur (via), Virudhunagar District, Tamilnadu.

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:20-07-2021

Department	CIVIL ENGINEERING	Application No.	202110244
Area of Research	CONCRETE TECHNOLOGY	Research Mode	FULL TIME

Name :KARTHIGA M
Date of Birth / Age :02-09-1991 / 29 Years
Gender :FEMALE
Category :MBC
e-Mail ID :karthiga.m02@gmail.com
Mobile :9884471508



Karthiga

Father's/Husband's Name	MURUGAN K	Father's/Husband's Occupation	SELF EMPLOYED
Family Income	200000	Residential Type	RURAL
Birth Place	COURTALAM	Mother Tongue	TAMIL
Religion	HINDU	Martial Status	MARRIED
Aadhaar No.	499936917971	PAN No.	CSQPK5341E
Physically Challenged	NO	Type of Disability	-
Address for Communication: 30/2 PILLAIYAR KOVIL STREET, MADAVAR VILLAGAM SRIVILLIPUTTUR VIRUDHUNAGAR DISTRICT TAMILNADU INDIA Pin-626125		Permenant Address: 30/2 PILLAIYAR KOVIL STREET, MADAVAR VILLAGAM SRIVILLIPUTTUR VIRUDHUNAGAR DISTRICT TAMIL NADU INDIA Pin-626125	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
ME	CONSTRUCTION ENGINEERING & MANAGEMENT	EINSTEIN COLLEGE OF ENGINEERING	2015	8.63	FIRST CLASS	REGULAR
B TECH	CIVIL	KALASALINGAM UNIVERSITY	2013	8.65	FIRST CLASS	REGULAR

Experience					
Organization	Designation	Experience From	Experience TO	Work Nature	
VELTECH RANAGARAJAN DR.SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY	ASSISTANT PROFESSOR	2015-10-16	2017-10-05	TEACHING	

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
202110244_210720190037	VHMP0128424563	20-07-2021	600	SUCCESS

Project Title:-

Performance of bamboo reinforced interlocking hollow concrete block as load bearing wall.

Abstract

To avoid depletion of natural resources and to protect our environment for our future stay, it is necessary to introduce new innovative construction materials. In this study, we are replacing the steel with bamboo as a construction materials. Bamboo is one of the oldest traditional building materials used by mankind.

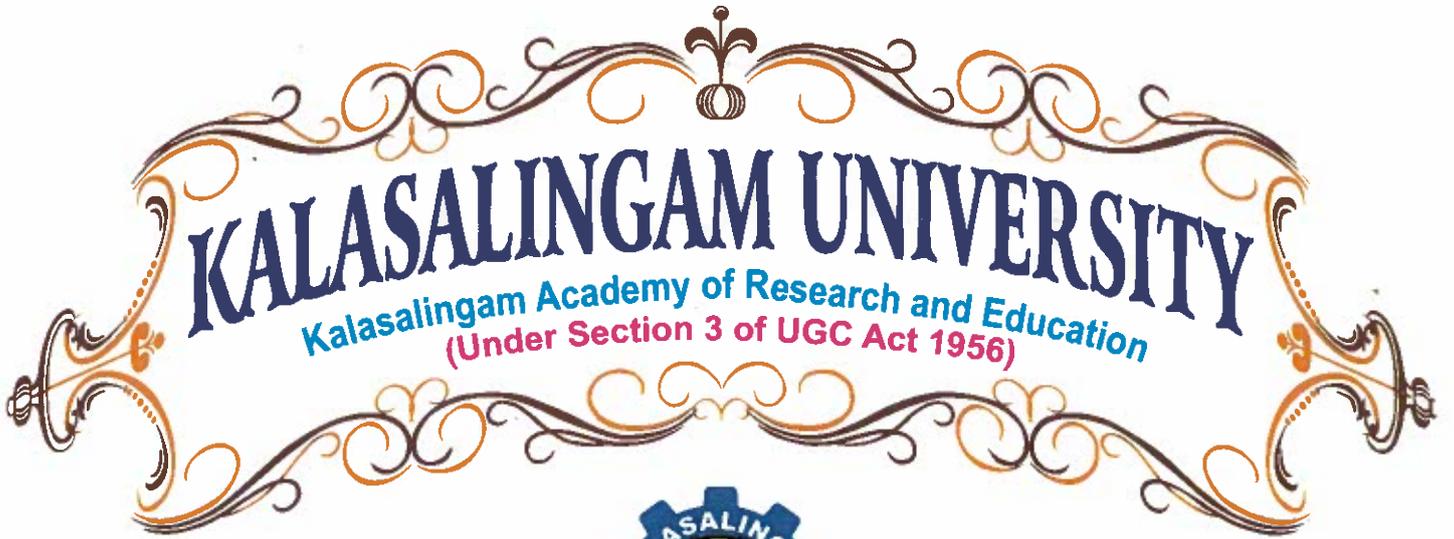
The diminishing wood resource and restrictions imposed on felling in natural forests, have focused world attention on the need to identify a substitute building material that should be renewable, eco-friendly and widely available. In view of its rapid growth, a ready adaptability to most climatic conditions and properties, bamboo emerges as a very suitable alternative.

Bamboo has a long and well-established tradition as a building material and It is widely used for many forms of construction, in particular for housing in rural areas. Bamboo is a renewable and versatile resource, characterized by high strength and low weight, and is easily worked using simple tools.

The main aim of the work is to design bamboo reinforced concrete hollow block as a load bearing wall and to determine a suitable mix that provides workability, strength, suitable surface finish and economy. To investigate the load carrying capacity of the wall made with the interlocking hollow blocks strengthened with bamboo.

The key points of the study are

1. Fixing the dimension of the block.
2. Various tests should be conducted on hollow block to determine its physical properties.
3. Mix design of concrete by trial and error method.
4. Casting of cubes, cylinders and beams with and without bamboo.
5. Compressive strength test of cubes, splitting tensile strength test of cylinders and flexural strength test are to be conducted.
6. Casting of hollow block with bamboo.
7. Construction of sample wall using bamboo reinforced hollow block.



Register No : 9909003105

The Board of Management of the Kalasalingam University, hereby makes known that

Ms./Mr. **KARTHIGA M** has been admitted to the

Degree of **Bachelor of Technology in Civil Engineering**

he / she having been certified by duly appointed examiners to be qualified to receive the same

and having been placed in the **Honours**

at the examination held in **Apr/May 2013**

Given under the seal of the University



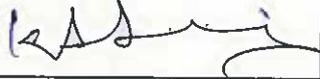
Anand Nagar,
Krishnankoil - 626 126,
Tamil Nadu, India

Controller of Examinations

Registrar

Vice - Chancellor

Date: 14/09/2013

Read by	
Verified by	

Anna University



Reg.No. 950613418002/RG

The Syndicate of the Anna University hereby makes known that
KARTHIGA M *has been admitted to the* **DEGREE OF MASTER OF ENGINEERING in CONSTRUCTION ENGINEERING AND MANAGEMENT** *under the Faculty of Civil Engineering, having completed the prescribed programme of study and having been certified by the duly appointed examiners to be qualified to receive the same, and has been placed in* **FIRST CLASS WITH DISTINCTION** *at the Examination held in* **JUNE 2015 .**

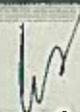
Given under the Seal of the University



Chennai 600 025
India
January 2016


Controller of Examinations


Registrar


Vice-Chancellor

SI. No. 687435

Read by	B. D. S.
Verified by	M. J.



ANNA UNIVERSITY, CHENNAI - 25
M.E. DEGREE EXAMINATIONS
CONSOLIDATED STATEMENT OF GRADES



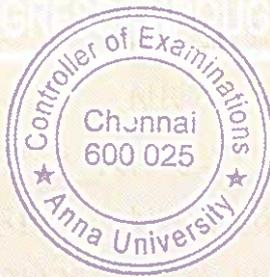
K102080769924M

Folio No. AUY11722259

NAME OF THE CANDIDATE		KARTHIGA M			REGISTER NO.	950613418002
DATE OF BIRTH	02-SEP-91	GENDER	FEMALE	MONTH & YEAR OF LAST APPEARANCE	JUN 2015	
COLLEGE OF STUDY	EINSTEIN COLLEGE OF ENGINEERING			REGULATIONS	2013	
PROGRAMME & SPECIALIZATION	M.E. Construction Engineering and Management					

SEM. NO.	COURSE CODE	COURSE TITLE	CREDITS	LETTER GRADE	GRADE POINT	MONTH & YEAR OF PASSING
01	CN7101	Modern Construction Materials	3	B	8	JAN 2014
01	CN7102	Construction Equipment	3	A	9	JAN 2014
01	CN7103	Project Formulation and Appraisal	3	B	8	JAN 2014
01	CN7104	Quantitative Techniques in Management	3	B	8	JAN 2014
01	MA7152	Statistical Methods for Engineers	4	C	7	JAN 2014
01	CN7001	Advanced Concrete Technology	3	A	9	JAN 2014
02	CN7201	Advanced Construction Techniques	3	C	7	JUN 2014
02	CN7202	Contract Laws and Regulations	3	B	8	JUN 2014
02	CN7203	Construction Planning, Scheduling and Control	3	B	8	JUN 2014
02	CN7204	Computer Applications in Construction Engineering and Planning	3	A	9	JUN 2014
02	CN7005	Construction Project Management	3	B	8	JUN 2014
02	CN7006	Construction Personnel Management	3	C	7	JUN 2014
02	CN7211	Advanced Construction Engineering and Computing Techniques Laboratory	2	S	10	JUN 2014
03	CN7007	Quality Control and Assurance in Construction	3	B	8	NOV 2014
03	CN7009	Resource Management and Control in Construction	3	B	8	NOV 2014
03	CN7010	Project Safety Management	3	B	8	NOV 2014
03	CN7313	Seminar	1	S	10	NOV 2014
03	CN7311	Practical Training (4 Weeks)	1	S	10	NOV 2014
03	CN7312	Project Work (Phase I)	6	S	10	NOV 2014
04	CN7411	Project Work (Phase II)	12	S	10	JUN 2015

*** End of Statement ***
Cumulative Grade Point Average : 8.63
Classification : FIRST CLASS WITH DISTINCTION



Medium of Instruction : ENGLISH

Chennai - 25.
 Date : 20/07/2015

Karthiga
 SIGNATURE OF THE STUDENT



[Signature]
 CONTROLLER OF EXAMINATIONS

GRADE CLASSIFICATION

Range of Marks	91 - 100	81 - 90	71 - 80	61 - 70	57 - 60	50 - 56	< 50
Letter Grade	S	A	B	C	D	E	U
Grade Point	10	9	8	7	6	5	0

FORMULA FOR GPA & CGPA

$$\text{GPA} = \frac{\sum_{i=1}^n C_i GP_i}{\sum_{i=1}^n C_i}$$

$$\text{CGPA} = \frac{\sum_{i=1}^n C_i GP_i}{\sum_{i=1}^n C_i}$$

- Where
- C_i - is the Credits assigned to the course
 - GP_i - is the point corresponding to the grade obtained for each Course
 - n - is number of all Courses successfully cleared during the particular semester in the case of GPA and during all the semesters in the case of CGPA

Sl. No.: PCSGB 073921

Read by	P. Kalai
Verified by	R. Gayathri



KALASALINGAM UNIVERSITY

(Kalasalingam Academy of Research & Education)

(Under Section 3 of UGC act 1956)

Anand Nagar, Krishnankoil - 626 126 Tamil Nadu, INDIA

Sl. No: 99101151

CONSOLIDATED GRADE CARD

Name of the Student : **KARTHIGA M**

Register No: 9909003105

Branch : B.Tech-Civil Engineering

Batch : 2009-2013

SEM.	COURSE CODE	NAME OF THE COURSE	ATT. CODE	CREDITS	GRADE	MONTH & YEAR OF PASSING
CGPA COURSES						
1	CHY105	C2 Chemistry	9	3	A+	Nov/Dec 2009
1	CIV101	C3 Basic Civil and Mechanical Engineering	9	4	A+	Nov/Dec 2009
1	HSS101	C1 English for Technical Communication I	9	2	A	Nov/Dec 2009
1	MAT101	C2 Mathematics I	9	3	A+	Nov/Dec 2009
1	MEC101	C3 Engineering Drawing	9	2	B	Nov/Dec 2009
1	PHY111	C2 Physics I	9	3	A+	Nov/Dec 2009
1	CHY181	C2 Chemistry Laboratory	H	1	A	Nov/Dec 2009
1	MEC181	C3 Workshop	9	1	A	Nov/Dec 2009
2	CHY101	C2 Environmental Sciences	H	2	B	May 2010
2	CSE102	C3 Programming Languages	9	2	A	May 2010
2	EEE101	C3 Basic Electrical and Electronics Engineering	H	4	A+	May 2010
2	HSS102	C1 English for Technical Communication II	9	2	A	May 2010
2	MAT102	C2 Mathematics II	9	3	A+	May 2010
2	MEC103	C3 Engineering Mechanics	H	3	A	May 2010
2	PHY112	C2 Physics II	H	3	A+	May 2010
2	CSE181	C3 Programming Languages Laboratory	H	1	A	May 2010
2	PHY181	C2 Physics Laboratory	9	1	A	May 2010
3	CIV201	C4 Mechanics of Solids	9	4	A	Nov/Dec 2010
3	CIV202	C4 Fluid Mechanics	H	4	A	Nov/Dec 2010
3	CIV203	C4 Surveying	H	3	A+	Nov/Dec 2010
3	CIV204	C4 Geology & Building Materials	H	3	B	Nov/Dec 2010
3	HSS006	C1 Professional Ethics	H	3	A	Nov/Dec 2010
3	MAT201	C2 Mathematics III	H	3	S	Nov/Dec 2010
3	CIV281	C4 Strength of Materials Laboratory	H	2	A	Nov/Dec 2010
3	CIV282	C4 Fluid Mechanics Laboratory	H	2	A+	Nov/Dec 2010
3	CIV283	C4 Surveying Laboratory	H	2	A	Nov/Dec 2010
4	CIV205	C4 Strength of Materials	H	4	A+	Apr/May 2011
4	CIV206	C4 Hydraulics & Hydraulic Machinery	H	4	A+	Apr/May 2011
4	CIV207	C4 Concrete Technology	H	3	A	Apr/May 2011
4	CIV208	C4 Mechanics of Soils	H	4	A+	Apr/May 2011
4	CIV209	C4 Water Supply Engineering	H	3	A+	Apr/May 2011
4	MAT211	C2 Numerical Methods	H	3	A+	Apr/May 2011
4	CIV284	C4 Advanced Surveying Laboratory	9	2	A	Apr/May 2011
4	CIV285	C4 Computer Aided Building Drawing	H	2	A	Apr/May 2011
4	CIV286	C4 Soil Mechanics Laboratory	H	2	A+	Apr/May 2011
5	CIV301	C4 Structural Analysis	H	4	A	Nov/Dec 2011
5	CIV302	C4 Transportation Engineering I	H	3	A+	Nov/Dec 2011
5	CIV303	C4 Design of Concrete Structures	H	4	A+	Nov/Dec 2011
5	CIV304	C4 Geotechnical Engineering	9	3	A	Nov/Dec 2011
5	CIV305	C4 Sanitary Engineering	H	3	A+	Nov/Dec 2011
5	CIV351	C7 Principles of Architecture	H	3	A	Nov/Dec 2011
5	CIV352	C4 Construction Techniques and Practices	H	3	A	Nov/Dec 2011
5	MEC326	C5 Composite Material Science	H	3	A+	Nov/Dec 2011
5	CIV362	C4 Construction Laboratory	H	2	A+	Nov/Dec 2011
6	CIV306	C4 Irrigation Engineering	9	3	A+	Apr/May 2012

SEM.	COURSE CODE	NAME OF THE COURSE	ATT. CODE	CREDITS	GRADE	MONTH & YEAR OF PASSING
6	CIV307	C4 Design of Steel Structures	9	4	A+	Apr/May 2012
6	CIV308	C4 Transportation Engineering II	9	3	A+	Apr/May 2012
6	CIV362	C4 Advanced Structural Analysis	9	3	A+	Apr/May 2012
6	CIV465	C7 Solid and Hazardous Waste Management	9	3	A+	Apr/May 2012
6	EEE365	C5 Electrical Machines	H	3	A+	Apr/May 2012
6	HSS018	C1 Communication Skills	H	3	A	Apr/May 2012
6	MBA5005	C6 Organizational Behaviour	H	3	A+	Apr/May 2012
6	CIV381	C4 Environmental Engineering Laboratory	9	2	A	Apr/May 2012
6	CIV383	C4 Irrigation and Environmental Engineering Design and Drawing	9	2	A	Apr/May 2012
7	CIV370	C4 Planning & Design of Building services	H	3	A+	Nov/Dec 2012
7	CIV5115	C7 Construction Project Management	H	3	A	Nov/Dec 2012
7	CIV499	C4 Project Work	9	10	A+	Nov/Dec 2012
8	CIV366	C4 Geographic Information Systems	H	3	A+	Apr/May 2013
8	CIV401	C4 Estimating and Costing	H	3	A+	Apr/May 2013
8	CIV402	C4 Earthquake Resistant Design of Structures	H	3	A+	Apr/May 2013
8	CIV454	C4 Pre-Stressed Concrete Structures	H	3	A+	Apr/May 2013
8	CIV5254	C7 Environmental Laws and Impact Assessment of Transportation Project	H	3	A+	Apr/May 2013
8	HSS001	C1 Total Quality Management	H	3	A+	Apr/May 2013
8	MEC319	C6 Process Planning and Cost Estimation	H	3	S	Apr/May 2013
8	CIV481	C4 Computer Aided Design & Drawing	H	2	A+	Apr/May 2013
Non-CGPA COURSES						
7	NGC1001	Soft Skills		3		Pass
7	NGC2002	Industrial Lectures		3		Pass
7	NGC2003	International Certifications		3		Pass
8	NGC1004	National Service Scheme		3		Pass
8	NGC2001	Industrial Training - I		3		Pass
8	NGC3001	Industrial Training - II		3		Pass
8	NGC3002	International Proficiency Exams-I		3		Pass
8	NGC3003	International Proficiency Exams-II		3		Pass
Category wise total credits earned						
C1: Humanities 13 C2: Basic Sciences 25						
C3: Basic Engineering 17 C4: Professional Major 110						
C5: Minor Elective 6 C6: Free Elective 6						
C7: Honours 12						

CGPA CREDITS				NON-CGPA CREDITS	
EARNED	TOTAL TO BE EARNED	CGPA	CLASS AWARDED	EARNED	TOTAL TO BE EARNED
189	177	8.6508	Honours	24	18

Please see overleaf for details

Place : Krishnankoil
Date : 05/06/2012

Controller of Examinations



EINSTEIN COLLEGE OF ENGINEERING

Sir C.V.Raman Nagar, Tirunelveli - 627 012, Ph : 0462 - 2487111 / 12.

Sl. No. 4868

TRANSFER CERTIFICATE

1. Name of the student : KARTHIGA M
2. Reg. No : 950613418002
3. Date of Birth : 02/09/1991
4. Father's Name : MURUGAN, K
5. Community : DNC - MARAVAR
6. Sex : FEMALE
7. Class in which the student was studying at the time of leaving the college : B.E. (CONSTRUCTION ENGINEERING AND MANAGEMENT)
8. Date of admission to the Course : 02/09/2013
9. Nationality and Religion : INDIAN-HINDU
10. Whether completed the Course : REFER MARKSHEETS
11. Date on which the student left the college : 18/06/2015
12. Date of Transfer Certificate : 26 AUG 2015
13. Student Conduct and Character : GOOD


Signature of the Student

College Seal


Signature of the Principal

Dr. K. RAMAR, M.E., P.D., FE
PRINCIPAL
EINSTEIN COLLEGE OF ENGINEERING,
TIRUNELVELI - 12





Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

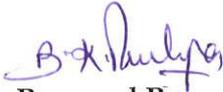
Date:

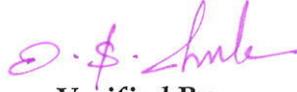
Experience Certificate cum Relieving Order

REF:/VT /HRD/ XCER/ 783

25-Jun-2018

This is to certify that Ms. KARTHIGA. M (TTS 2275) was in the employment of this institution in the department of CIVIL ENGINEERING as ASSISTANT PROFESSOR from 16-Oct-2015 to 05-Oct-2017 . She has been relieved from all her duties of our institution with effect from 05-Oct-2017 .


Prepared By


Verified By


Registrar

Prof. Dr. S. Kannan
Registrar

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

No.42, Avadi - Vel Tech Road, Avadi,
Chennai, Tamil Nadu, Pincode - 600 062.
Toll Free : 1800 3070 6949
Landline : +044 3387 0055 / 2684 0262
Email : registrar@veltech.edu.in
Website : www.veltech.edu.in

आयकर विभाग
INCOME TAX DEPARTMENT



भारत सरकार
GOVT. OF INDIA

KARTHIGA M
MURUGAN

02/09/1991
Permanent Account Number

CSQPK5341E

M. Karthi
Signature



BL Thirja

*In case this card is lost / found, kindly inform / return to
Income Tax PAN Services Unit, UTHISL
Plot No. 3, Sector 11, CED Belapur,
New Mumbai - 400 614*

*इस कार्ड के खाने/पाने पर कृपया सूचित करें/ लौटाएं
आयकर सेवा सेवा यूनिट, UTHISL
प्लॉट नं. 3, सेक्टर 11, सी.ई.डी. बेलपुर,
नवी मुंबई - 400 614*


 இந்திய தேர்தல் ஆணையம்
 Election Commission of India
 வாக்காளர் புகைப்பட அடையாள அட்டை ELECTOR PHOTO IDENTITY CARD


 XRQ0622704



வாக்காளர் பெயர் : **கார்த்திகா**
 Elector's Name : **Karthiga**
 உறவினர் பெயர் : **முருகன்**
 Relation's Name : **Murugan**

இனம் / Sex : பெண் / Female
 பிறந்த தேதி / வயது / DOB / Age : 02/09/1991, 24Yrs
 முகவரி: 1-4, நன்னகரம்சாலை, குற்றாலம் 627802, தென்காசி .
 Address: 1-4, Nannagaramsalai, Courtallam 627802, Tenkasi.

வாக்காளர் பதிவு அலுவலர்
 Date: 22/10/2016 Electoral Registration Officer
 தொகுதி எண் மற்றும் பெயர்: 222, தென்காசி
 பாகம் எண் மற்றும் பெயர்: 21, குற்றாலம் (TP), வார்ட் 1 சேங்கொட்டை சாலை

AC NO & Name : 222, Tenkasi
 Part No. & Name : 21, Courtallam (TP), Ward 1 Sencottai Salai

குறிப்பு / Note:
 1. வாக்காளர் புகைப்பட அடையாள அட்டை வைத்திருப்பது மட்டுமே தற்போதைய வாக்காளர் பட்டியலில் நீங்கள் வாக்காளராக இடம்பெற்றிருக்கிறீர்கள் என்பதற்கு உத்தரவாதமல்ல. ஒவ்வொரு தேர்தலுக்கும் முன்பும் நடப்பிடுபவர்கள் வாக்காளர் பட்டியலில் உங்களுடைய பெயர் உள்ளதா என்று சரிபார்க்க வேண்டும்.
 1. Mere Possession of Elector photo identity Card is no guarantee that you are elector in the current electoral roll. Please check your name in the current electoral roll before every election.
 2. இந்த அட்டையில் குறிப்பிட்டுள்ள பிறந்த தேதியை வாக்காளர் பட்டியலில் பதிவு செய்யும் நோக்கத்திற்கு அல்லாது, வேறு எதற்கும் பயன்படுத்த தேதி குறித்த எவ்வித சான்றாகக் கொள்ளக்கூடாது.
 2. Date of birth mentioned in this card shall not be treated as proof of age/ D.O.B. for any purpose other than registration in electoral roll.

இந்த அட்டை மீது எந்தவித மாற்றம் செய்யப்படக்கூடாது.
 This card shall not be altered in any way.
 ELECTION COMMISSION OF INDIA

