



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

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:30-12-2020

Department	MECHANICAL ENGINEERING	Application No.	202020221
Area of Research	THERMAL	Research Mode	FULL TIME

Name :VIMALKUMAR M

Date of Birth / Age :17-06-1993 / 27 Years

Gender :MALE

Category :MBC

e-Mail ID :saivimal1993@gmail.com

Mobile :9942731902



VIMALKUMAR
29.03.2018



Father's/Husband's Name	MURUGESAN T	Father's/Husband's Occupation	FARMER
Family Income	40000	Residential Type	RURAL
Birth Place	SERUVAMANI	Mother Tongue	TAMIL
Religion	HINDU	Martial Status	SINGLE
Aadhaar No.	217018685099	PAN No.	BKCPV6693M
Physically Challenged	NO	Type of Disability	-
Address for Communication: 1-269 SOUTH STREET, SERUVAMANI POST KOOTHANALLUR TALUK TIRUVARUR DISTRICT DISTRICT TAMILNADU INDIA Pin-610205		Permenant Address: 1-269 SOUTH STREET KOOTHANALLUR TALUK TIRUVARUR DISTRICT TAMILNADU INDIA Pin-610205	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
BE	MECHANICAL	ANNA UNIVERSITY -TITUKKUALAI CAMPU	2014	68	FIRST CLASS	REGULAR
ME	THERMAL ENGINEERING	ANNA UNIVERSITY-TIRUNELVELI	2017	71	FIRST CLASS	REGULAR

Experience					
Organization	Designation	Experience From	Experience TO	Work Nature	
M.A.M.SCHOOL OF ENGINEERING TRICHY	ASSISTANT PROFESSOR	2017-12-20	2020-12-30	TEACHING	

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
202020221_201231164843	VSM29612907197	31-12-2020	600	SUCCESS

Experimental Studies on Active and Passive Solar Stills for High Yield

The necessity of fresh water is growing exponentially in industrial as well as domestic sector, resulting in more contamination of natural water resources and creating a shortage of drinking water. Additionally, the numbers of parched and desert regions on the world map which already face the lack of rainfalls and ground water. The problem is substantially increased as most of the water bodies like rivers, lakes are saline and brackish which are not suitable for drinking purpose. In recent past, solar desalination has been found to be a sustainable and cost-effective way of generating the fresh water to supply the need of drinking water at large. The combination of photovoltaic (PV) technology and solar thermal technology has been a very appealing option for developers and researchers. Desalination is widely adopted in Middle east, Arab countries, North America, Asia, Europe, Africa, Central America, South America and Australia to meet their fresh water and process water demands.

In this desalination, the productivity is influenced by the temperature difference between condensing and evaporating areas. Previous researches determined that increasing the difference between water–glass temperatures enhances the daily productivity of solar stills (active and passive). To maintain this temperature difference high, fans, condensers, storing materials, reflectors, and the glass cover cooling were utilized. Continuous supply of air or water film over the glass cover leads to diminish the temperature of glass. Also, various storage materials such as phase change materials (PCM), thermal energy storage materials (TESM) were incorporated in still basin for creating huge temperature difference and thereby to yield high distillate.

. Now, my work is to analyze the existing investigate active and passive solar stills, and also to develop, investigate new active and passive solar stills for better performance in terms of fresh water production and thereby increasing the overall efficiency.

Candidate Signature

Anna University



Reg.No. 950015414018/RG

The Syndicate of the Anna University hereby makes known that
VIMALKUMAR M *has been admitted to the* **DEGREE OF MASTER OF ENGINEERING** *in* **THERMAL ENGINEERING** *under the Faculty of Mechanical 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** *at the Examination held in* **JUNE 2017** .

Given under the Seal of the University



Chennai 600 025
India
June 2018


Controller of Examinations


Registrar


Vice-Chancellor



SI.No: MJ **516144**

Read by	<i>G. dv</i>
Verified by	<i>Jyf</i>

Anna University



Reg.No. 950015414018/RG

The Syndicate of the Anna University hereby makes known that
VIMALKUMAR M *has been admitted to the* **DEGREE OF MASTER OF ENGINEERING** *in* **THERMAL ENGINEERING** *under the*
Faculty of Mechanical 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** *at the Examination held in* **JUNE 2017** .

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Chennai 600 025
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Read by	<i>G. dv</i>
Verified by	<i>Jyf</i>

ANNA UNIVERSITY REGIONAL CAMPUS - TIRUNELVELI

TIRUNELVELI - 627007



TRANSFER CERTIFICATE

No. : 17337

- 1) Name of the Student : VINTALKUMAR M
- 2) Name of the Father/Mother/Guardian : T. Murugesan
17-06-1993 (Seventeen - Six-
Nineteen Ninety Three)
- 3) Date of Birth as Entered in the University Records : Nineteen Ninety Three
- 4) Date of Admission : 01-09-2015
- 5) Degree to Which the Student was Admitted : M.E Thermal Engineering
- 6) Duration of Degree : 2 years (IV Semester)
- 7) Semester Studied at the Time of Leaving : IV Semester
- 8) Whether Completed the Degree Successfully : Completed
- 9) Actual Date of Leaving : June 2017
- 10) Whether Paid All the Fees and Cleared the Dues to the University : Yes
- 11) Character and Conduct : Good



Office Seal


Dean

Anna University Regional Campus - Tirunelveli
Tirunelveli - 627007

Date of Issue : 20 SEP 2017

EXPERIENCE CERTIFICATE



DR. P. RANJITH KUMAR, M.E., Ph.D.
PRINCIPAL

M.A.M. School of Engineering

Name	M.VIMAL KUMAR	
Name and Address of the Institution	M.A.M SCHOOL OF ENGINEERING Siruganur, Trichy - 621105.	
Type of the Institution	Self-Financing College	
Date of Appointment as	FULL TIME	
Assistant Professor	20.12.2017	7.02.2020

S.NO	Subjects Taught	No. of Periods / Week	Total Period of Service				
			Date		Period		
			From	To	Y	M	D
1	Basic Civil and Mechanical Engineering	4+4+6+6	20.12.2017	7.02.2020	2	01	18
2	Engineering Metrology and Measurement						
3	Manufacturing Technology-I						
4	Manufacturing Technology-II						
5	Entrepreneurship Development						
6	Manufacturing Technology-Lab						
7	Metrology and Measurement-Lab						
TOTAL					2	01	18

Certified that the above facts are verified with Pay acquaintance / Staff attendance register / Appointment & Termination letter and other relevant records available on behalf of the above individual and found correct.

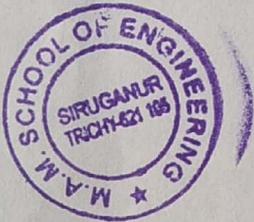
Place: SIRUGANUR
Date: 8.2.2020
Seal:

Signature:
Name: **Dr. P. RANJITH KUMAR, M.E., Ph.D.**
Designation: **PRINCIPAL**

M.A.M. School of Engineering
Siruganur, Trichy-621 105.

Principal (Issuing authority)

(In case of Govt./ Aided / Self Finance Colleges /State University/Deemed University)



Counter Signature

Ref. No. 383 / M.F.C.H - 41 / 2020	Signature:
Place: TRICHY	Name: Dr. V. M. SHANTHI
Date: 10.02.2020	Designation:
Seal:	
Director, DOTE (In case of Govt/Aided/ Self- finance Polytechnic/Engineering Colleges)	Registrar (In case of State/ Deemed Universities)
	Regional Joint Director of Collegiate Education (In case of Govt/Aided/Self- finance Arts & Science Colleges).

for



PRINCIPAL
Govt. College of Engineering
Srirangam
Sethurapatti
Trichy - 620 012.

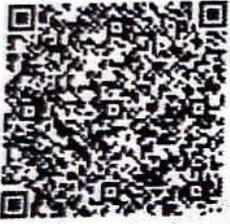
YY MM DD
02 01 17

[Two years one month & seventeen days]

आयकर विभाग
INCOME TAX DEPARTMENT



भारत सरकार
GOVT. OF INDIA



स्थायी लेखा संख्या कार्ड
Permanent Account Number Card

BKCPV6693M



नाम / Name

VIMAL KUMAR MURUGESH

पिता का नाम / Father's Name

MURUGESAN

जन्म की तारीख / Date of Birth

17/06/1993

हस्ताक्षर / Signature



07012018



India Driving Licence(Tamilnadu)
Form 7

DOI 01/10/2013

D.L.No : TN50 20130006477
Name : VIMALKUMAR M
S/D/W of : MURUGESAN T
Address :
1-269 SOUTH STREET, SERUVAMANI
NEEDAMANGALAM TK
THIRUVARUR DT
Temp.Addr:
NTC DRIVING SCHOOL
D.O.B. : 17/06/1993 B.G. :



Punishments:

Licensed to drive throughout India, vehicles of the following descriptions
M/CYCL. WG 01/10/2013 TN50 LMV 01/10/2013 TN50

Non-Transport Veh. Valid upto 30/09/2033



m. vimalan

Signature/L.T.I
of the Holder

H. V. Prasad
1.10.13

Asst. Licensing Authority
RTO, THIRUVARUR

R.Dis. 575/2010 dt. 5.2010



சான்றிதழ் எண் :
Certificate No.

2101517



மாவட்டக் குறியீடு எண் :
District Code

22

வட்டக் குறியீடு எண் :
Taluk Code

02

கிராமக் குறியீடு எண் :
Village Code

059

சாதிச் சான்றிதழ்

COMMUNITY CERTIFICATE

திருவாரூர் மாவட்டம், நீடாமங்கலம் வட்டம்
59 செவ்வாழி கிராமம்/நகரம், திரு. / திருமதி / செல்வி/
செல்வன் விமல்குமார் தகப்பனார்/கணவர்
பெயர் குடுகுடுசன் இத்தி-அன்னியர்

வகுப்பைச் சார்ந்தவர், அரசு ஆணை நிலை எண் 28, பிற்பட்ட மற்றும் மிகவும் பிற்பட்ட பிரிவின் நலத் துறை, நாள் 19-7-1994 வரிசை எண் 26 படி மிகவும் பிற்பட்ட பிரிவினைச் சார்ந்தவர் எனச் சான்றளிக்கப்படுகிறது.

This is to certify that **VIMAL KUMAR** Son / Daughter
of Thiru **MURUGESAN** of **SERUVAMANI**
Village / Town **NEEDAMANGALAM** Taluk **TIRUVARUR**

District of the State of Tamil Nadu belongs to **HINDU-VANNIYAR** Community, which is recognised as a Most Backward Class as per Government Order (Manuscript Series) No. 28, Backward Classes and Most Backward Classes Welfare dated 19th July 1994. vide Serial No. 26

2. திரு. / திருமதி / செல்வன் / செல்வி **விமல்குமார்**
என்பவரும் அவருடைய குடும்பத்தினரும் தமிழ்நாட்டில் **திருவாரூர்**
மாவட்டத்தில் **நீடாமங்கலம்** வட்டத்தில் **செவ்வாழி** கிராமத்தில் /
நகரத்தில் வசித்து வருகிறார்கள் எனச் சான்றளிக்கப்படுகிறது.

2. It is certified that Thiru/Tmt/Selyan/Selvi **Vimal Kumar** and
his/her family ordinarily reside(s) at **Seruvamani** Village/Town
NEEDAMANGALAM Taluk **TIRUVARUR** District of Tamil Nadu.



கையொப்பம் :
Signature

நாள் :
Date

தனி எழுத்துக்களில் பெயர் :
Name in Capital Letters

பதவிப் பெயர் :
Designation

(ச. அருகல் 26/05/2010)

(செல்வன் குமார்)

21510

நீடாமங்கலம்.



KALASALINGAM

ACADEMY OF RESEARCH AND EDUCATION

(DEEMED TO BE UNIVERSITY)



Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A" Grade

Anand Nagar, Krishnankoil - 626126. Srivilliputtur (Via), Virudhunagar (Dt), Tamil Nadu | info@kalasalingam.ac.in | www.kalasalingam.ac.in

OFFICE OF RESEARCH AND DEVELOPMENT

Instructions for online applications to Ph.D. Programme

1. New candidates must register with KARE Research through the online portal <http://research.kalasalingam.ac.in>
2. E-Mail ID is mandatory for registration, and this will be used by KARE for any future correspondence. An activation link and password will be send to the registered email while registration. Use the same for further login.
3. Once logged in, you will be asked to apply for the Ph.D. programme. The following details are mandatory for registration. Make ready all the details before proceeding.
 - a. Research area and department in which you are applying for
 - b. Personal details
 - c. Qualification details in UG and PG level
 - d. Experience if any
4. After furnishing the details you have to upload the following documents separately
 - a. Research Proposal (* Mandatory and must be a PDF file)
 - b. All degree certificates in a single PDF file (* Mandatory and must be a PDF file)
 - c. All mark statements in a single PDF file (* Mandatory and must be a PDF file)
 - d. Transfer Certificate (* Mandatory and must be a PDF file)
 - e. Experience Certificate (*Mandatory and must be a PDF file, *Optional for Fresher)
 - f. Self-attested copy of PAN Card (* Mandatory and must be a PDF file)
 - g. Self-attested copy of Aadhaar Card (* Mandatory and must be a PDF file)
 - h. Community Certificate (* Optional, must be a PDF file)
 - i. Annexure-I (* Mandatory for part-time scholars and must be a PDF file)
 - j. Scanned Copy of Passport Sized Photograph (* Mandatory and must be a jpg file)
 - k. Scanned Copy of signature (* Mandatory and must be a jpg file)

Note: Photograph Image: Size should be between 10KB to 200 KB with the dimension of 3.5 CM X 4.5 CM. Signature Image: Size should be between 10KB to 200 KB with the dimension of 3.5 CM X 1.5 CM. For Photograph, background must be plain white or off-white. Head must be directly facing the camera with your full face in view. No hats or head coverings, unless you wear it daily for religious purposes. Your full face must be visible and your head covering cannot cast shadows on your face.
5. Once the files are uploaded, Payment option will be enabled.
 - a. You can use Debit/Credit Card or Internet Banking or UPI like GPay, Paytm, Bhim etc. for transaction.
 - b. Do not refresh or press back button while doing the transaction. Mobile users don't swipe the screen from top to bottom or left to right or right to left, which may lead to cancellation of transaction.

- c. Once the transaction is successful, your application is complete any you can view your application and e-bill.
 - d. In case if the transaction is interrupted in between and money is debited from your account, wait for 2 to 24 hours and recheck your transaction through the link available in the application page. Most of the transactions will be cleared in 24 hours and worst case will take 3 working days.
6. Further if you have any query you can mail us at deanrd@klu.ac.in
 7. There is no need to send any printed copy of application form to KARE. You will be notified through Mail and your status can be viewed through your login at any time.

ANNEXURE-I

CERTIFICATE FROM THE ORGANISATION WHERE THE CANDIDATE IS EMPLOYED

Certified that Mr./Ms./Mrs. _____ is
employed as _____ (Designation) in the
_____ (Department/Division Name)
of _____
(Institution/Industry Name).

We have no objection in forwarding his/her application for the Ph.D. Research Programme.

FOR FULL TIME:

The candidate will be sanctioned leave for the duration of the research programme and will be relieved from duty from _____ to _____ to undertake the full time research work in the University.

FOR PART TIME:

The candidate will be permitted to undertake part time study in the University/College and will be allowed to be present for discussions with the supervisor, attending course works, conduct of experiments and participations in seminars and related presentations. Further the required facilities at our organization will also be provided to the candidate for doing research.

Date:

Signature of the Head of Organization with office seal