



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

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:24-12-2020

Department	MECHANICAL ENGINEERING	Application No.	202020190
Area of Research	AUTOMATION AND ROBOTICS	Research Mode	PART TIME

Name :KARTHISWARAN. S
Date of Birth / Age :15-05-1977 / 43 Years
Gender :MALE
Category :SC
e-Mail ID :karthiswara@gmail.com
Mobile :8940910637



Father's/Husband's Name	SRIRANGAN	Father's/Husband's Occupation	NO MORE
Family Income	4 LPA	Residential Type	URBAN
Birth Place	THANJAVUR	Mother Tongue	TAMIL
Religion	HINDU	Martial Status	MARRIED
Aadhaar No.	952213697009	PAN No.	CQKPS4664N
Physically Challenged	NO	Type of Disability	-
Address for Communication: 19A WORKSHOP ROAD, SIMMAKKAL MADURAI MADURAI DISTRICT TAMILNADU INDIA Pin-625001		Permenant Address: 7A ABIMANNAN STREET MADURAI MADURAI DISTRICT TAMILNADU INDIA Pin-625001	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
B. E	AGRICULTURAL ENGINEERING	TNAU, COIMBATORE	2000	74	I	REGULAR
M. E	AGRICULTURAL ENGINEERING	TNAU, COIMBATORE	2004	85.5	I	REGULAR

Experience					
Organization	Designation	Experience From	Experience TO	Work Nature	
AEC&RI, TRICHY	TEACHING ASSISTANT	2019-11-20	2020-05-19	TEACHING	
SIT, PULLOOR, KARIAPPATTI	ASST. PROFESSOR	2017-12-06	2019-07-03	TEACHING	
TNAU, COIMBATORE	SRF	2012-02-01	2012-11-03	RESEARCH	
IIHR, BANGALORE	SRF	2004-12-20	2005-08-31	RESEARCH	

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
202020190_201225221008	VCND9595076166	25-12-2020	600	SUCCESS

Project proposal

RPA assisted post harvest operations in milling of food grains.

Robotic Process Automation in agriculture is an application of technology in agriculture that allows stakeholders in agriculture sector to configure computer software, or a 'robot', to capture and interpret existing applications for processing a transaction, manipulating data, triggering responses and communicating with other digital systems.

Robotic Process Automation is not a physical robot sitting at a desk performing tasks. It is a new alternative to improve agricultural productivity, unlocking higher Return on Investment than indigenous practices implementations which requires more investment in terms of time and labor. It is the first step and necessary foundation in the agricultural digital operation journey, before implementing cognitive, chatbots and artificial intelligence.

Key objectives of implementing Robotic Process Automation in agriculture are as follows

- 1.Improve accuracy
- 2.Manage controls
- 3.Higher efficiency
- 4.Reduction of monotonous work
- 5.Cost saving
- 6.Skill upgradation of personnel

Robotic Process Automation (RPA) is the next phase of innovation in the agricultural world. It's significant potential to become a differentiator has become evident. Most of the notable players are either assessing possibilities to benefit from this new solution or even proceeding with the first implementations.

Once IT and security risks are needed to be satisfied with the architecture, the process can be investigated and can be carried forward for implementation.



No. DEG 001412

TAMIL NADU AGRICULTURAL UNIVERSITY

COIMBATORE

*On the recommendation of the
Academic Council and the Board of Management
hereby admits*

KARTHISWARAN, S

to the degree of

Master of Engineering (Agriculture)

in AGRICULTURAL PROCESSING

he / she having qualified to receive the same

securing an Overall Grade Point Average

of 8.47 out of 10.00 in the Year 2004

*together with all the honours and distinctions belonging
to this degree given under the seal of the University*



C. RAMASAMY
Vice-Chancellor

Coimbatore - 3

Date : 06.07.2005



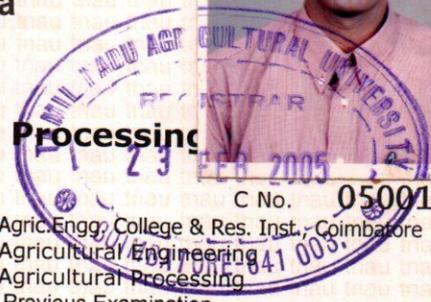
Tamil Nadu Agricultural University

School of Post Graduate Studies

Coimbatore - 641 003 India

Transcript Card

Degree : M.E.(Ag) in Agricultural Processing



Student Name: **S. Karthiswaran**
 ID Number **02-625-004**
 Date of Admission **18.12.2002**
 Date of Completion (Viva-Voce) **28.10.2004**
 Date of Birth **15.05.1977**
 Place of Birth with District **Thennamanadu, Thanjavur**

College **Agric.Engg. College & Res. Inst., Coimbatore**
 Faculty **Agricultural Engineering**
 Department **Agricultural Processing**
 Previous Examination

C No. **05001**

State/ Country **Tamil Nadu, India**
 Name of Father **N. Srirangan**
 Name of Mother **Amsavalli**

College **College of Agrl.Engineering,Kumulur -621 712**

Degree **B.E(Ag)**
Year **2000**

Title of the Thesis

Studies on Preservation of Milky Mushroom by Canning and process optimization for milky mushroom based extruded products

Semester wise Courses Studied and Grades Awarded

Course Code	Course Title	Credit Hours	Grade Point
Semester I (18.12.02 to 06.05.03)			
APE 601	Engineering Properties of Agricultural Materials	2 + 1	8.00
APE 604	Design of Agricultural Processing Equipment	1 + 1	8.35
APE 605	Technology of Agricultural Wastes and Byproducts Utilisation	1 + 1	8.45
APE 606	Advances in Heat and Mass Transfer	1 + 1	9.20
APE 610	Handling, Packaging and Storage of Agricultural Products	2 + 1	8.60
STA 613	Engineering Statistics	2 + 1	7.15
APE 651	Seminar	0 + 1	9.18
.....			
Semester II (26.05.03 to 07.10.03)			
APE 602	Post Harvet Technology of Crops	2 + 1	8.30
APE 621	Research Methodology	0 + 1	8.70
BIC 602	Biochemistry of processing and storage	2 + 1	7.30
ENS 607	Waste Management	2 + 1	7.30
APE 651	Seminar	0 + 1	9.30
APE 661	Research	0 + 2	9.00

P.T.O



Tamil Nadu Agricultural University

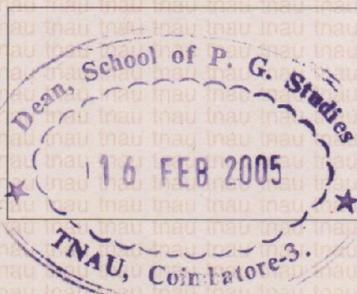
School of Post Graduate Studies

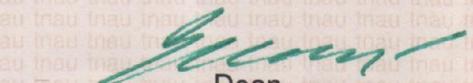
Coimbatore - 641 003 India

Transfer cum Conduct Certificate

TC Number : 050014

1. Name of the Student : **S. Karthiswaran**
2. ID Number : 02-625-004
3. Date of Birth : 15.05.1977
4. Sex : Male
5. Name of the Father : N. Srirangan
6. Name of the Mother : Amsavalli
7. Place of Birth : Thennamanadu, Thanjavur
8. Native State, Country : Tamil Nadu, India
9. Previous Degree obtained : B.E(Ag)
10. Name of the Course undergone : **M.E.(Ag) in Agricultural Processing**
11. Faculty : Agricultural Engineering
12. Discipline/ Department : Agricultural Processing
13. Name of the College Studied : Agric.Engg. College & Res. Inst
Coimbatore
14. Date of Admission to the Course : 18.12.2002
15. Date of leaving the Course : 28.10.2004
16. Overall Grade Point Average : **8.47**
17. Character and Conduct during the period of Study : **Good**
18. Any objection to continue his/ her studies in other Universities : No




Dean
School of Post Graduate Studies

Note: This certificate shall be given only by the Dean.



TAMIL NADU AGRICULTURAL UNIVERSITY
Agricultural Engineering College and Research Institute
Kumulur -621 712, Lalgudi (Tk), Trichy Dt., Tamil Nadu, India

Phone : 0431-2545001 (O)

Mobile : +91-9489056724

e-mail : deancaekum@tnau.ac.in

Dr.V.Thirupathi, Ph.D.,
Dean

Dated 05.02.2020

TO WHOM IT MAY SO CONCERN

This is to certify that Th.S.Karthiswaran is working as Teaching Assistant in the Department of Processing and Food Engineering of this College since 20.11.2019 with a consolidated salary of Rs. 36000/- pm.

Paul
Dean *Devaran*
Agricultural Engineering College & Research Institute
Tamil Nadu Agricultural University
Kumulur - 621 712, Trichy Dt.

ST/S
ST/21/2020

LD
5/2/2020



Tamil Nadu Agricultural University

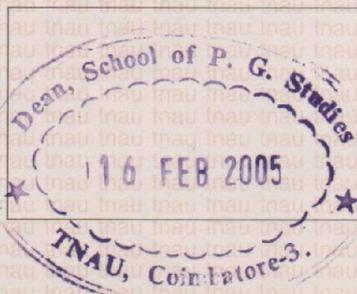
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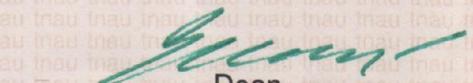
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இந்திய தேர்தல் ஆணையம்
Election Commission of India



வாக்காளர் புகைப்பட அடையாள அட்டை ELECTOR PHOTO IDENTITY CARD



SBW1526896



வாக்காளர் பெயர்: கார்த்திசுவரன்

Name : Karthiswaran

தந்தையின் பெயர்: சீரங்கன்

Father's Name : Srirangan

भारत निर्वाचन आयोग

SC



மாண்புமிகு சமூக நல அமைச்சு / Minister's Office
மாண்புமிகு சமூக நல அமைச்சு / Minister's Office
மாண்புமிகு சமூக நல அமைச்சு / Minister's Office

24

12

041

வகுப்புச் சான்றிதழ்
Community Certificate



சான்றிதழ் எண் / Certificate No: TN-5201811262631

நாள் / Date: 02-Dec-2018

மதுரை மாவட்டம், மதுரை தெற்கு வட்டம், அவனியபுரம் கிராமம் / நகரம், கதவு எண் W/6/9, துளசிராம 2வது குறுக்கு தெரு என்ற முகவரியில் வசித்துவரும் திரு கார்த்தீஸ்வரன் தந்தையின் பெயர் திரு சீரங்கன் என்பவர், ஆதி திராவிடர் மற்றும் பழங்குடியினர் ஆணைகள் (திருத்தப்பட்ட) சட்டம் 1976 வகிமை எண் 56 ன்படி, பரையன் என்ற ஆதிதிராவிடர் வகுப்பைச் சேர்ந்தவர் எனச் சான்றளிக்கப்படுகிறது.

This is to certify that Thiru Karthiswaran son of Thiru Srirangan residing at Door No. W/6/9, Thulasiram 2nd cross street, of Avaniyapuram Village / Town of Madurai South Taluk of Madurai District of the State of Tamil Nadu belongs Paraiyan Community, which is recognized as a Scheduled Caste as per the Scheduled Caste and Scheduled Tribes Orders (Amendment) Act. 1976 vide Serial No. 56.

Signature valid

Digitally signed by Sundara Murugan Chelliah
Date: 02/12/2018 12:00:27 IST

மாவட்டம் / District : Madurai
மாவட்டம் / Taluk : Madurai South

பதவி / Designation : டீபட்டி / Tahasildar

குறிப்பு / Remarks :

இச்சான்றிதழ் மின்னணுவொப்பம் இடப்பட்டதால், கைவொப்பம் அல்லது முத்திரை தேவையில்லை /
This certificate is digitally signed and does not require any seal or signature.



ஆணை விவரத்தை உறுதி செய்ய:

(அ) TN-5201811262631 என்ற தனிப்பட்ட சான்றிதழ் எண்ணை <https://tneidistrict.tn.gov.in/tneida/VerifyCert.html> க்கு உள்ளிடுவதன் மூலம் சரிபார்க்கவும்.
(ஆணை)

(ஆ) கைப்பேசி செயலியின் 2D barcode டிப்கோடர் மூலம் இணையதளத்தில் சரிபார்க்கவும்.

Genuineness of the certificate can be verified by.

(a) Keying in the unique certificate number TN-5201811262631 in the URL <https://tneidistrict.tn.gov.in/tneida/VerifyCert.html>.

(or)

(b) Reading the 2D barcode with mobile barcode reader and verify through online.

SC



மாண்புமிகு சமூக அமைச்சு / Minister's Office
மாண்புமிகு சமூக அமைச்சு / Tamil Nadu
மாண்புமிகு சமூக அமைச்சு / Village Code

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பதவி / Designation : ஊடகர் / Tahasildar

குறிப்பு / Remarks :

இச்சான்றிதழ் மின்னணுவொப்பம் இடப்பட்டதால், கைவொப்பம் அல்லது முத்திரை தேவையில்லை /
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(அல்லது)

(ஆ) கைப்பேசி செயலியின் 2D barcode டிப்கோடர் மூலம் இணையதளத்தில் சரிபார்க்கவும்.

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(or)

(b) Reading the 2D barcode with mobile barcode reader and verify through online.