



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

## APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:28-06-2021

Department	AUTOMOBILE ENGINEERING	Application No.	202110095
Area of Research	WELDING	Research Mode	FULL TIME

Name :VIJITHA S

Date of Birth / Age :13-11-1993 / 27 Years

Gender :FEMALE

Category :MBC

e-Mail ID :vijji1311@gmail.com

Mobile :9655166515



Father's/Husband's Name	SELVA KUMAR K	Father's/Husband's Occupation	EX-ARMY
Family Income	2L	Residential Type	RURAL
Birth Place	SECUNDRABAD	Mother Tongue	TAMIL
Religion	HINDU	Martial Status	SINGLE
Aadhaar No.	278177389050	PAN No.	DXGPS8200C
Physically Challenged	NO	Type of Disability	-
Address for Communication: 4761 THENDRAL NAGAR VILLAPURAM HOUSING BOARD MADURAI DISTRICT TAMIL NADU INDIA Pin-625011		Permenant Address: 4761 THENDRAL NAGAR VILLAPURAM HOUSING BOARD MADURAI DISTRICT TAMIL NADU INDIA Pin-625011	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
B.TECH	MECHANICAL ENGINEERING	HINDUSTAN UNIVERSITY	2016	6.84	FIRST	REGULAR
ME	MECHANICAL ENGINEERING	THIAGARAJAR COLLEGE OF ENGINEERING	2018	7.25	FIRST	REGULAR

Experience				
Organization	Designation	Experience From	Experience TO	Work Nature

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
202110095_210701083527	VHD40080169124	01-07-2021	600	SUCCESS

## **Exploration on the effect of weld zone in high strength steel for structural applications**

A high strength steel is used in ship application because they have high strength and toughness property. In ship structure mechanical property is reduced in the weld joint with respect to offshore environment. The arc welding is playing an important role in welding of hull component by high strength material in Shipyard. The width of the heat affected zone in the weld joint having less mechanical property and microstructure is affected as compared to base material. In this study, exploration on the effect of weld zone in high strength steel for structural application. The welding parameters are playing a major role and suitable parameters are used to control the width of the heat affected zone and enhance the mechanical property. Further microstructure properties also investigated and improve the suitable microstructure in ship applications.



# ANNA UNIVERSITY

CHENNAI - 600 025

## PROVISIONAL CERTIFICATE

Folio No. : 1119930

*This is to certify that the undermentioned candidate has qualified for the award of Degree through:*

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI

*an autonomous college affiliated to Anna University as detailed below :*

Name : VIJITHA S  
Register No. : 16MF015  
Degree : M.E.  
Branch/  
Specialization : MANUFACTURING ENGINEERING  
Month & Year of  
Passing : APRIL 2018  
Classification : FIRST CLASS



Chennai - 600 025.  
Date : 24-JUL-18

  
Controller of Examinations

i/c





# THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI - 625 015, TAMILNADU, INDIA

## GRADE CARD

### M.E. DEGREE EXAMINATION

Sl.No. 182556



CANDIDATE NAME : VIJITHA, S.

DATE OF PUBLICATION : 24-05-2018

REG.No. & ROLL No. : 16MF015 & MG-62

EXAM MONTH & YEAR : April 2018

BRANCH : MANUFACTURING ENGINEERING

SEM	SUBJECT CODE	SUBJECT TITLE	CREDITS	GRADE	YEAR OF PASSING
I	14MG110	COMPUTATIONAL METHODS IN ENGINEERING	4	B	November 2016
I	14MG120	OPTIMIZATION TECHNIQUES	4	B	November 2016
I	14MG130	MECHANICAL BEHAVIOUR OF MATERIALS	4	C	November 2016
I	14MG140	INDUSTRIAL AUTOMATION AND ROBOTICS	4	C	November 2016
I	14MG150	CNC MACHINE TOOL TECHNOLOGY	3	C	November 2016
I	14MG160	MICRO ELECTRO MECHANICAL SYSTEMS AND NANOTECHNOLOGY	4	B	November 2016
I	14MG170	ADVANCED MANUFACTURING ENGINEERING LAB-1	1	B	April 2017
II	14MG210	MECHANICS OF METAL CUTTING AND METAL FORMING	4	B	April 2017
II	14MG220	TOOL DESIGN ENGINEERING	3	C	April 2017
II	14MGPA0	PLANT LAYOUT AND MATERIAL HANDLING(E)	4	B	April 2017
II	14MGPH0	DESIGN FOR MANUFACTURE AND ASSEMBLY(E)	4	C	April 2017
II	14MGPT0	METAL JOINING ENGINEERING(E)	4	D	April 2017
II	14MGPV0	RAPID PROTOTYPING(E)	4	B	April 2017
II	14MG270	ADVANCED MANUFACTURING ENGINEERING LABORATORY-II	1	A	April 2017
III	14MG310	COMPUTER INTEGRATED MANUFACTURING	4	D	November 2017
III	14MGPE0	MACHINE VISION AND ITS APPLICATION IN MANUFACTURING(E)	4	C	November 2017
III	14MGPG0	PRODUCT DESIGN AND DEVELOPMENT(E)	4	D	November 2017
III	14MG340	PROJECT-I	4	B	November 2017
IV	14MG410	PROJECT II	12	C	April 2018

Semester	I	II	III	IV
GPA	7.54	7.42	6.75	7.00
Credits Registered	24	24	16	12
Credits Earned	24	24	16	12
Total Credits Earned	76			
CGPA	7.25			
Class Obtained	First Class			

MEDIUM OF INSTRUCTION : ENGLISH

#### CONDITIONS

- Any alteration or overwriting make this statement of marks invalid
- Any discrepancy in the above entries must be brought to the notice of the CONTROLLER OF EXAMINATIONS immediately

Controller of Examinations

Date : 25-05-2018





# R.L. INSTITUTE OF NAUTICAL SCIENCES

*(Approved by Directorate General of Shipping, Mumbai, Govt. of India)*



SAIL TO PROSPER

TVR Nagar, Aruppukottai Road,  
Madurai - 625 022 TAMIL NADU



ISO 9001:2008  
Certified by BSI



MBE 100  
BuA C 071

## TRANSFER CERTIFICATE

TC.No.1876/2019

ID No.2018SRLG035

- |    |   |  |
|----|---|--|
| 1  | Name of the Cadet   | : VIJITHA SELVAKUMAR   |
| 2  | Date of Birth as entered in the Admission Register in words     | : 04-06-1996<br>Fourth June One Thousand Nine Hundred and Ninety Six |
| 3  | Father's Name   | : SELVAKUMAR K   |
| 4  | Nationality   | : Indian   |
| 5  | Sex   | : Female   |
| 6  | Class in which the Cadet was studying at the time of leaving    | : Graduate Marine Engineering (GME)                                  |
| 7  | Date of admission to the Institute                              | : 01-09-2018   |
| 8  | Reason for Leaving  | : Completion of course   |
| 9  | Whether the Cadet had paid all the fees due to the Institute    | : Yes  |
| 10 | Date on which the Cadet actually left the Institute             | : 31-08-2019   |
| 11 | Date on which the application for transfer certificate was made | : 31-08-2019   |
| 12 | Date of the Transfer Certificate                                | : 31-08-2019   |

*R. Muthukrishnan*

PRINCIPAL

Date 31-08-2019



R. MUTHUKRISHNAN  
PRINCIPAL



SAIL TO PROSPER

# RL INSTITUTE OF NAUTICAL SCIENCES

(APPROVED BY DIRECTORATE GENERAL OF SHIPPING - GOVT. OF INDIA)

TVR Nagar, Aruppukottai Road, Madurai - 625 022

## CADET ID CARD



Name : VIJITHA S

Course : GME

ID No. : 2018SRLG035

Valid From : Sep 2018 to Aug 2019

Principal



आयकर विभाग  
INCOME TAX DEPARTMENT



भारत सरकार  
GOVT. OF INDIA

VIJITHA SELVAKUMAR  
SELVAKUMAR

13/11/1993

Permanent Account Number

**DXGPS8200C**

*Vijitha*  
Signature





# India Driving Licence(Tamilnadu)

Form 7

DOI 02/04/2014

DL No : TN66 20140002704

Name : VIJITHA S

S.D.W of SELVAKUMAR K

Address:

D.NO 4761/NA VILLAPURAM HOUSING BOARD  
COLONY MADURAI

625022

Temp Addr:

ABIRAMI DS

DOB 13/11/1993

B.G.

Punishments:





MBC

சான்றிதழ் எண்:  
Certificate No. 11



மாவட்ட குறியீடு எண் :  
District Code :  
வட்ட குறியீடு எண் :  
Taluk Code :  
கிராமக் குறியீடு எண் :  
Village Code :

1	4
0	5
8	8

482396

சாதிச்சான்றிதழ்

COMMUNITY CERTIFICATE

மதுரை மாவட்டம் திருமங்கலம் வட்டம்

பிணைக்கோட்டை கிராமம் / நகரம், திரு / திருமதி / செல்வி /

செல்வன் ஓ. விஷ்ணு தகப்பனார் /

கணவர் பெயர் க. ஜெயங்கொண்டம் செல்வன் குமாரன்

வகுப்பைச் சார்ந்தவர். அரசு ஆணை (நிலை) எண். 1566, சமூகநலத்துறை, நாள்

30-7-1985, வரிசை எண் 34 படி, மிகவும் பிற்பட்ட பிரிவைச் சார்ந்தவர்

என சான்றளிக்கப்படுகிறது.

This is to Certify that ..... Son of / Daughter of

Thiru ..... of Village / Town

Taluk ..... District of the State of Tamil Nadu belongs to

Community, which is recognised as a Most Backward Class

as per Government Order (Manuscript Series) No. 1566, Social Welfare Department, dated

30-7-1985, vide Serial No. ....

2. திரு / திருமதி / செல்வி / செல்வன் ஓ. விஷ்ணு

என்பவரும் அவருடைய குடும்பத்தினரும் தமிழ்நாட்டில் மதுரை

மாவட்டத்தில் திருமங்கலம் வட்டத்தில் பிணைக்கோட்டை

கிராமத்தில் / நகரத்தில் வசித்து வருகிறார்கள் என சான்றளிக்கப்படுகிறது.

2. It is certified that Thiru / Tmt / Selvi / Selvan

and his / her family ordinarily reside(s) at ..... village / Town

Taluk ..... District of Tamil Nadu.

முத்திரை

Seal

கையொப்பம்

Signature

நாள்

Date

08.08.2001

தனி எழுத்துக்களில் பெயர்

Name in Capital Letters

கைமையிட த்துத் துணைத் தாசில்தர்,

திருமங்கலம்.

பதவிப் பெயர்

Designation