



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

**APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES**

Date of Application:20-05-2020

Department	AUTOMOBILE ENGINEERING	Application No.	20200000
Area of Research	POLYMER COMPOSITES IN AUTOMOBILE ENGINEERING	Research Mode	PART TIME

**Name** :PADMANABHAN R G  
**Date of Birth / Age** :01-06-1987 / 33 Years  
**Gender** :MALE  
**Category** :OBC  
**e-Mail ID** :padhu003@gmail.com  
**Mobile** :9944163100



<b>Father's/Husband's Name</b>	R S GOVINDARAJAN	<b>Father's/Husband's Occupation</b>	WEAVER
<b>Family Income</b>	2,00,000	<b>Residential Type</b>	RURAL
<b>Birth Place</b>	KUMBAKONAM	<b>Mother Tongue</b>	SOURASTHRA
<b>Religion</b>	HINDU	<b>Martial Status</b>	MARRIED
<b>Aadhaar No.</b>	463417494399	<b>PAN No.</b>	BANPP3837N
<b>Physically Challenged</b>	NO	<b>Type of Disability</b>	-
<b>Address for Communication:</b> 78A MITRA ILLAM J P EAST STREET KUMBAKONAM THANJAVUR DISTRICT TAMILNADU INDIA Pin-612001		<b>Permenant Address:</b> 63/41 J P EAST STREET KUMBAKONAM THANJAVUR DISTRICT TAMILNADU INDIA Pin-612001	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
M. TECH	MANUFACTURING TECHNOLOGY	PRIST UNIVERSITY, THANJAVUR	2012	7.8 CGPA	I	REGULAR
B.E.	PRODUCTION ENGINEERING	ANNA UNIVERSITY/ J J C E T TRICHY	2008	70%	I	REGULAR
DIPLOMA	MECHANICAL ENGINEERING	DOTE / [SASTRA] SHANMUGHA POLYTECHNIC COLLEGE, THANJAVUR	2005	70.4	I	REGULAR
SSLC	ENGLISH MEDIUM	MATRICULATION BOARD / VELAMMAL MATRICULATION HIGHER SEC SCHOOL, ANNA NAGAR, CHENNAI	2002	69.63	I	REGULAR

Experience				
Organization	Designation	Experience From	Experience TO	Work Nature

ARASU ENGINEERING COLLEGE, KUMBAKONAM, TAMILNADU	ASSISTANT PROFESSOR IN AUTOMOBILE ENGINEERING	2015-04-06	1970-01-01	HOD / INCHARGE
SRM UNIVERSITY, KATTANKULATHUR MAIN CAMPUS, CHENNAI	ASST. PROFESSOR IN MECHANICAL ENGG - ABET ACCREDITATION	2012-08-13	2015-03-31	TEACHING
P.R POLYTECHNIC COLLEGE [PRIST UNIVERSITY], KUMBAKONAM	LECTURER / MECHANICAL ENGINEERING	2009-07-01	2011-04-30	TEACHING
BARAKATH ENGINEERING PVT. LTD, TUVAKUDI, TRICHY	ENGINEER	2008-07-28	2009-05-22	PRODUCTION & QUALITY CONTROL

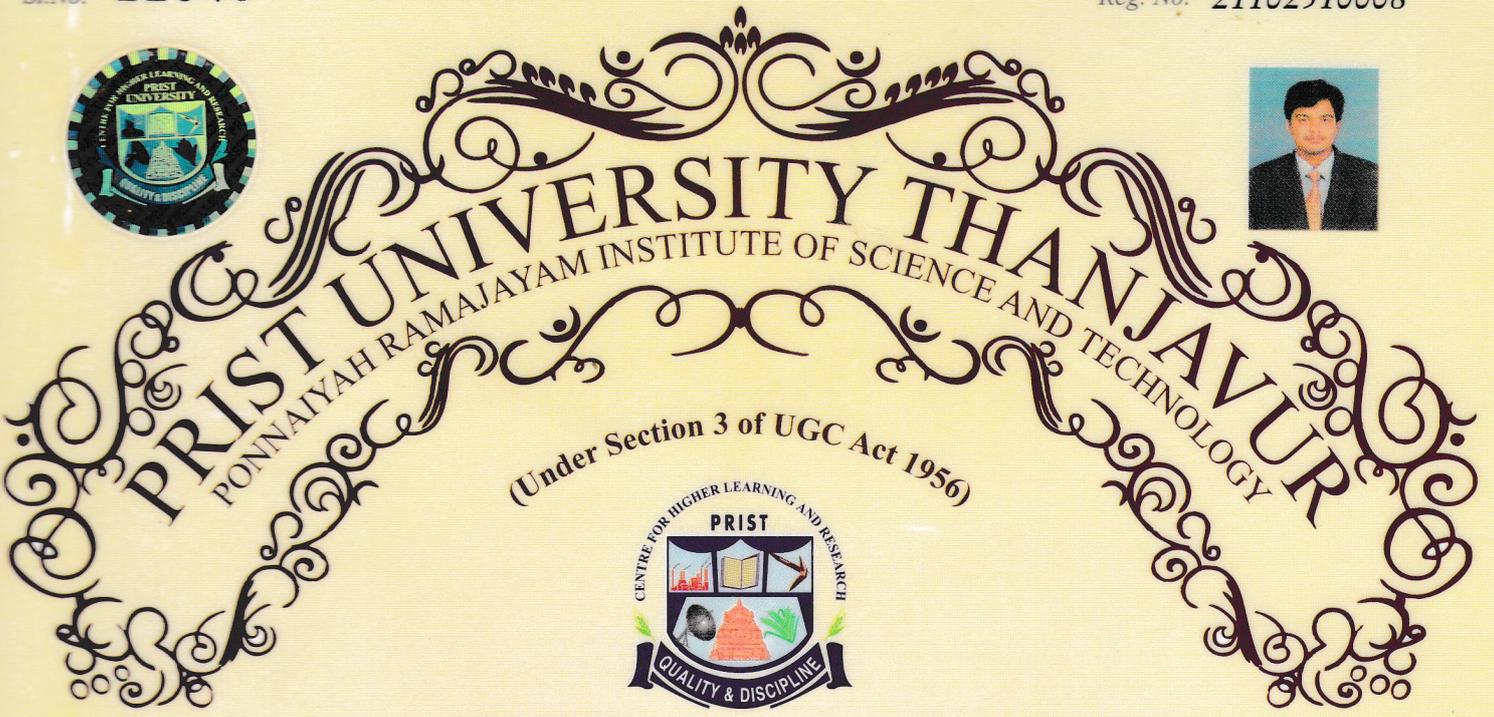
Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
20200000_200624152326	SHMP8928236453	24-06-2020	600	SUCCESS

**One Page Write Up Proposal for Ph.D in Polymer Composites**

**Candidates' Name: Mr. R. G. Padmanabhan., M.Tech., (Manufacturing Technology)**

**Development and analysis of bio-fiber metal laminates (BFML) for structural applications in Micromobility**

Nowadays mainly in automotive applications the structural materials are made by fiber reinforced composite materials in order to get the advantages of the fibers such as light weight, high strength to weight ratio, low density, and comparable mechanical properties. However, these materials cannot be used in structural applications where high loading is applied. In this case, the main objective of this work is to explore the possibilities of finding an innovative natural fibre metal laminate for the structural frame. We propose to use epoxy based fiber metal laminates with plant woven fabric and aluminum mesh to form structural rods through filament winding method. The fabricated bio-fiber metal laminates will be subjected to various testing to ensure the required properties such as mechanical, dynamic mechanical, static and dynamic buckling, corrosion resistance, thermal stability etc. By this research, a unique platform for the structural frame will be designed and analyzed with the various properties to obtain a gainful result and use for various structural applications in industrial/automobile sectors.



The Board of Management and the Academic Council of

this University hereby make known that

*PADMANABHAN .R.G*

has been admitted to the Degree of

*MASTER OF TECHNOLOGY IN MANUFACTURING TECHNOLOGY*

having completed all the Academic requirements and having been certified by duly appointed Examiners to be qualified to receive the same with *FIRST CLASS*.

in the Examination conducted during *MAY 2012*



Given under the seal of the University



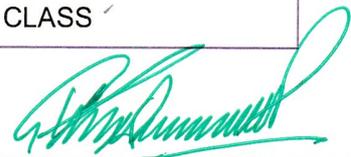
**M.Tech DEGREE EXAMINATION  
CONSOLIDATED GRADE SHEET**

Folio No. **03290**

Name of the Candidate	PADMANABHAN .R.G ✓		Register No.	21102510008 ✓		
Programme & Branch	M.Tech-Manufacturing Technology	Batch	2010 - 12	Month & Year of last appearance	MAY 2012 ✓	
Semester & Subject Code	Subject Title	Credit	Grade	Grade Point	Month & Year	
1 PEMT 11	ADVANCED ENGINEERING MATHEMATICS	3	C	7	JAN 2011	
1 PEMT 12	THEORY OF METAL CUTTING	4	B	8	JAN 2011	
1 PEMT 13	CASTING TECHNOLOGY	4	B	8	JAN 2011	
1 PEMT 14	MECHANICAL METALLURGY	4	C	7	JAN 2011	
1 PEMT 15	COMPUTER INTEGRATED MANUFACTURING SYSTEM	4	C	7	JAN 2011	
1 PEMT 16E1	MATERIALS HANDLING	3	B	8	JAN 2011	
1 PEMT 17P	MANUFACTURING ENGINEERING LAB - I	2	S	10	JAN 2011	
2 PEMT 21	PRODUCTION MANAGEMENT	3	C	7	MAY 2011	
2 PEMT 22	WELDING TECHNOLOGY	4	C	7	MAY 2011	
2 PEMT 23E2	INDUSTRIAL ROBOTICS	4	C	7	MAY 2011	
2 PEMT 24E2	COMPUTER AIDED PROCESS PLANNING	4	B	8	MAY 2011	
2 PEMT 25P	MANUFACTURING ENGINEERING LAB - II	2	A	9	MAY 2011	
3 PEMT 31	METAL FORMING PROCESS	4	C	7	DEC 2011	
3 PEMT 32E1	TOTAL QUALITY MANAGEMENT	4	B	8	DEC 2011	
3 PEMT 33E1	MECHATRONICS	3	B	8	DEC 2011	
3 PEMT 34PW	PROJECT WORK PHASE - I	2	A	9	DEC 2011	
4 PEMT 41PW	PROJECT WORK PHASE - II	6	S	10	MAY 2012	
----- End of The Statement -----						
Extra Credits Earned						
 -- NIL --						
CGPA	7.91	CLASS	FIRST CLASS ✓			

DATE : **10 AUG 2012**

This grade sheet bears no correction

  
**CONTROLLER OF EXAMINATIONS**



**TRANSFER & CONDUCT CERTIFICATE**

Serial No: 03581

1. Name of the Student (IN BLOCK LETTERS) : **R.G.PADMANABHAN**
2. Name of the Father / Guardian : **R.S.Govindarajan**
3. Date of Birth as entered in the University Records (in figures and words) : **01.00.1987**  
(First June Nineteen Eighty Seven)
4. Gender : **Male / Female**
5. Nationality : **INDIAN**
6. Date of Admission : **AUGUST 2010**
7. Programme to which the Student was admitted : **M.Tech(Manufacturing)**
8. Register Number : **21102510008**
9. Duration of the Programme : **Two years**
10. Semester studied at the time of leaving the University : **4th Semester**
11. Whether completed the Programme of Study : **Refer Grade Sheets**
12. Date of Leaving the University : **May-2012**
13. Conduct and Character : **GOOD**
14. Date of issue of Transfer Certificate : **11/8/2012**



Office Seal

**M. G. ...**  
Registrar / Director / Dean  
DEAN,  
Engineering & Technology



## BARAKATH ENGINEERING INDUSTRIES (P) LTD.,

C-10.Developed Plots Estate,Thuvakudi,Tiruchirappalli - 620 015.TN.INDIA  
Phone +91 431 2501583.581 FAX : +91 431 2502087  
email mail@barakath.com website www.barakath.com

Ref : BEI/HR/EXP/2009/32

Date: 25.05.2009

### Experience Certificate

This is to certify that **Mr. RG. Padmanabhan** has worked in our organisation from 28<sup>th</sup> July 2008 to 22<sup>nd</sup> May 2009 as an Engineer in the Production and Quality Control Departments.

We have found his Performance, Character and Conduct were good during that period.

We wish him all success in his future endeavours.

For **Barakath Engg. Inds(P) Ltd.,**

  
**M. Najumudeen**  
CEO & Director





**PONNAIYAH RAMAJAYAM GROUP OF INSTITUTIONS**  
**PONNAIYAH RAMAJAYAM POLYTECHNIC COLLEGE**

APPROVED BY AICTE & GOVT. OF TAMIL NADU

Keelapalayam Village, Patteeswaram, Kumbakonam - 612 703 • TAMIL NDAU • INDIA

Ref. :

Date : 15.06.2011

**SERVICE CERTIFICATE**

*This is to certify that Mr.R.G.PADMANABHAN, worked as Lecturer, Mechanical Department in PONNAIYAH RAMAJAYAM POLYTECHNIC COLLEGE, Patteeswaram, Kumbakonam from 01.07.2009 to 30.04.2011. During the period of his service in this Institution, he was sincere, hard working and very efficient in all his assignments.*

*We wish him all success in his future endeavors.*

*K. Balasubramanian*  
For AUTHORIZED SIGNATORY



**SRM**  
UNIVERSITY  
(Under section 3 of UGC Act 1956)

Dr.C.Muthamizhchelvan, Ph.D.,  
Director (Engg & Tech)

Date : 31-03-2015

## SERVICE CERTIFICATE

Certified that Mr.R.G.Padmanaban [ID No.101465], was working as Assistant Professor (Ordinary Grade) in the Department of Mechanical Engineering from 13.08.2012 to 31.03.2015. During this period his conduct and character has been good.

  
Director (E&T)  
Faculty of Engineering & Technology  
SRM UNIVERSITY  
SRM Nagar, Kattankulathur - 603 203.  
Kancheepuram Dist., Tamilnadu

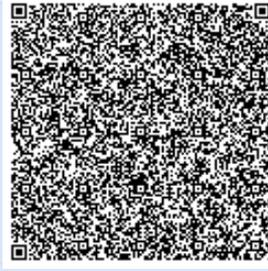
स्थायी लेखा संख्या  
Permanent Account Number  
DGHPG4922H

नाम / Name PADMANABHAN RG

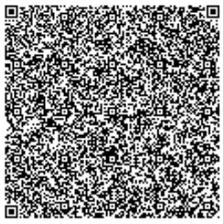
जन्म तिथि / Date of Birth 01/06/1987

लिंग / Gender Male

आधार संख्या / Aadhaar Number XXXX XXXX 4399



- Permanent Account Number(PAN) is a ten digit alpha numeric number allotted by the Income-tax department for compliance to the provisions of Income-tax Act and Rules including filing of Income-tax return, payment of taxes etc..  
स्थायी लेखा संख्या (पैन) एक दस अंक का अक्षरांकीय संख्या है जो आयकर अधिनियम के प्रावधानों के तहत कर का भुगतान और आयकर रिटर्न भरने के लिए नियमों का अनुपालन इत्यादि करने हेतु आवंटित किया जाता है।
- Quoting of PAN is mandatory for several transactions specified under Income- tax Act, 1961 (Refer Rule 114B of Income -tax Rules, 1962) आयकर अधिनियम, 1961 के तहत निर्दिष्ट कई लेनदेन के लिए स्थायी लेखा संख्या (पैन) का उल्लेख अनिवार्य है (आयकर नियम, 1962 के नियम 114बी, का संदर्भ लें)
- Possession or use of more than one PAN is against the law and may attract penalty of Rs. 10,000/- एक से अधिक स्थायी लेखा संख्या (पैन) रखना या उपयोग करना, कानून के विरुद्ध है और इसके लिए 10,000 रुपये का अर्थदंड लगाया जा सकता है।
- The PAN card enclosed contains QR Code which is readable by a specific mobile App.  
संलग्न पैन कार्ड में एनहान्स क्यूआर कोड शामिल है जो एक विशिष्ट एंज़ॉइंट मोबाइल ऐप द्वारा पठनीय है।

<p>आयकर विभाग INCOME TAX DEPARTMENT</p>  <p>नाम / Name PADMANABHAN RG</p> <p>जन्म तिथि / Date of Birth 01/06/1987</p> <p>हस्ताक्षर / Signature :</p>	<p>भारत सरकार GOVT. OF INDIA</p> <p>स्थायी लेखा संख्या Permanent Account Number DGHPG4922H</p> 	<p>इस कार्ड के खोने / पाने पर कृपया सूचित करें / लौटाएं: संयुक्त निदेशक (पद्धति) -1, पैन मॉड्यूल 9वीं मंजिल, आयकर भवन, सेक्टर -3, वैशाली, गाजियाबाद - 201010, उत्तर प्रदेश</p> <p>If this card is lost / someone's lost card is found, please inform / return to: Joint Director (Systems)-1, PAN Module 9th floor, Aayakar Bhawan, Sector - 3, Vaishali, Ghaziabad - 201010, Uttar Pradesh Tel no: 0120-2770078; Fax : 0120-2770078 Mail-id : epan@incometax.gov.in</p>
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भारतीय विशिष्ट पहचान प्राधिकरण  
भारत सरकार  
Unique Identification Authority of India  
Government of India



E-Aadhaar Letter

பதிவேட்டு எண்/Enrolment No.: 1110/92031/01240

தகவல்

Padmanabhan R G (பத்மநாபன் ரெ கோ)

S/O: Govindarajan, 63/41, J P East Street,  
Kumbakonam, Kumbakonam, Thanjavur,  
Tamil Nadu - 612001

- ஆதார் அடையாளத்திற்கான சான்று, குடியுரிமைக்கு அல்ல.
- அடையாள சான்றை ஆன்லைன் ஆதண்டுகேஷன் மூலமாகப் பெறவும்.
- இது எலக்ட்ரானிக் செயல்முறை மூலம் தயாரிக்கப்பட்ட கடிதமாகும்.

**INFORMATION**

- Aadhaar** is a proof of identity, not of citizenship.
- To establish identity, authenticate online.
- This is electronically generated letter.

உங்கள் ஆதார் எண்/ Your Aadhaar No.:

**4634 1749 4399**



ஆதார் -சாகாரண மனிகனின் அதிகாரம்

1947  
1800 300 1947

help@uidai.gov.in

www.uidai.gov.in

- ஆதார் நாடு முழுவதிலும் செல்லுபடியாகும்.
- ஆதார் ஆதார் பெறுவதற்கு ஒரே ஒரு முறை மட்டுமே நீங்கள் விண்ணப்பத்தை பூர்த்தி செய்து பதிவு செய்ய வேண்டிய அவசியம் ஏற்படும்.
- தயவுசெய்து உங்களின் சமீபத்தைய புதிய மொபைல் நம்பர் மற்றும் e-மெயில் முகவரியை பதிவு செய்யவும். இதனால் உங்களுக்கு பல்வேறு வசதிகளை பெற்றுக் கொள்ளும் சௌகரியம் கிடைக்கும்.

- Aadhaar** is valid throughout the country.
- You need to enrol only once for **Aadhaar**.
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भारत सरकार  
GOVERNMENT OF INDIA



பத்மநாபன் ரெ கோ  
Padmanabhan R G  
பிறந்த நாள்/ DOB: 01/06/1987  
ஆண் / MALE



**4634 1749 4399**

ஆதார் -சாதாரண மனிதனின் அதிகாரம்



भारतीय विशिष्ट पहचान प्राधिकरण  
UNIQUE IDENTIFICATION AUTHORITY OF INDIA

முகவரி:  
தந்தை / தாய் பெயர்:  
கோவிந்தராஜன், 63/41,  
ஜெ பி கீழ வீதி,  
கும்பகோணம்,  
கும்பகோணம், தஞ்சாவூர்,  
தமிழ் நாடு - 612001

Address:  
S/O: Govindarajan, 63/41, J P East  
Street, Kumbakonam, Kumbakonam,  
Thanjavur,  
Tamil Nadu - 612001

**4634 1749 4399**

**Aadhaar-Aam Admi ka Adhikar**

Date: 04/04/2015

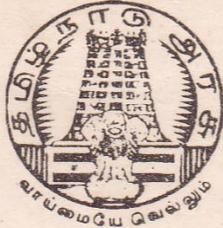
1501/97 Dt 11-6-92

GCP-26-4 - 6,00,000 Cps.-22-3-95

R.Dis...../9 dt.



சான்றிதழ் எண் :  
Certificate No



மாவட்டக் குறியீடு எண் :  
District Code  
வட்டக் குறியீடு எண் :  
Taluk Code  
கிராமக் குறியீடு எண் :  
Village Code

1	1	
0	4	
0	4	9

1447427

சாதிச் சான்றிதழ்  
COMMUNITY CERTIFICATE

தஞ்சாவூர் மாவட்டம், கும்பகோணம் வட்டம்  
வடையயல்பேட்டை கிராமம்/நகரம், திரு./திருமதி/செல்வி/  
செல்வன் பத்மராபன் தகப்பனார்/  
கணவர் பெயர் கோவிந்தராஜன்  
கிந்தி - செந்திராஜி

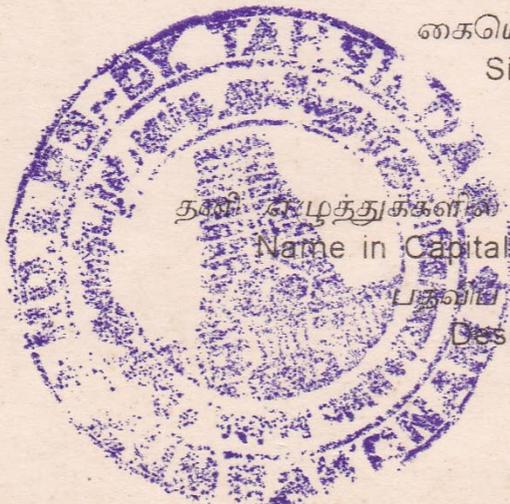
வகுப்பைச் சார்ந்தவர், அரசு ஆணை எண். 1564, சமூக நலத்துறை நாள்:  
30-7-1985 வரிசை எண் 115 படி, பிற்பட்ட பிரிவினைச் சார்ந்தவர்  
எனச் சான்றளிக்கப்படுகிறது.

This is to certify that ..... Son/ Daughter  
of Thiru ..... of .....  
..... Village / Town, ..... Taluk .....  
..... District of the State of Tamil Nadu belongs to  
..... Community, which is recognised as  
a Backward Class as per Government Order (Manuscript series) No. 1564, Social  
Welfare Department, dated 30th July 1985 vide Serial No.....

2. திரு திருமதி/செல்வன்/செல்வி பத்மராபன்  
என்பவரும் அவருடைய குடும்பத்தினரும் தமிழ்நாட்டில் தஞ்சாவூர்  
மாவட்டத்தில் கும்பகோணம் வட்டத்தில் வடையயல்பேட்டை  
கிராமத்தில்/நகரத்தில் வசித்து வருகிறார்கள் எனச் சான்றளிக்கப்படுகிறது.

2. It is certified that Thiru/Tmt/Selvan/Selvi ..... and  
his/her family ordinarily reside(s) at ..... Village/Town  
..... Taluk ..... District of Tamil Nadu.

முத்திரை.  
Seal.



கையொப்பம் :  
Signature  
நாள் :  
Date  
தலைச் சமூகத்துக்களில் பெயர் :  
Name in Capital Letters  
பதவி பெயர் :  
Designation

M.G. VENKATARAMAN  
Special Deputy Tahsildar  
(Certificate)  
Kumbakonam.

ANNEXURE-I

CERTIFICATE FROM THE ORGANISATION WHERE THE CANDIDATE IS EMPLOYED

Certified that Mr./~~Ms./Mrs.~~ R.G. PADMANABHAN is employed as ASSISTANT PROFESSOR (Designation) in the AUTOMOBILE ENGINEERING (Department/Division Name) of ARASU ENGINEERING COLLEGE, KUMBAKONAM (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: 28/5/2021



A handwritten signature in green ink, appearing to be "Dr. T. Balamurugan".

Signature of the Head of Organization with office seal

**Dr. T. Balamurugan, M.E., Ph.D.,**  
Principal  
Arasu Engineering College  
Kumbakonam - 612 501