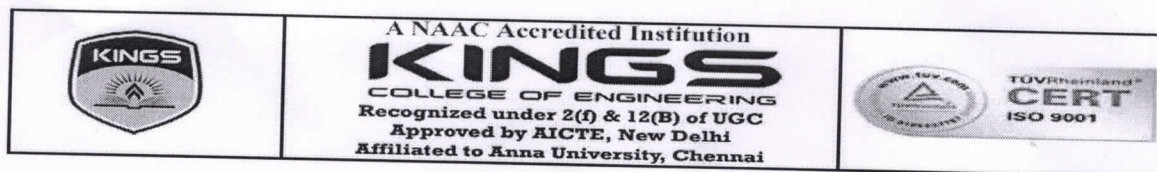


**2.4.2 Average percentage of full time teachers with Ph.D/D.M/M.Ch./D.N.B Superspeciality/D.Sc./D.Litt. during the last five years (Consider only Highest degree for count)**

S. No.	Particulars	Page No.
01	Average percentage of full time teachers	02
02	Consolidated List – Department Wise	03
02	Consolidated List - Year Wise	04
Year Wise		
03.	2020-2021	6-10
04.	2019-2020	12-13
05.	2018-2019	15-19
06.	2017-2018	21-22
07.	2016-2017	24-30

*J. Praveen*  
**PRINCIPAL**  
 Kings College of Engineering  
 PUNALKULAM - 613 303.



### Metric : 2.4.2

Average percentage of full time teachers with Ph.D/D.M/M.Ch./D.N.B  
Superspeciality/D.Sc./D.Litt. during the last five years (Consider only Highest  
degree for count)

Year	2020-2021	2019-2020	2018-2019	2017-2018	2016-2017
Number of full time teachers with Ph.D	21	16	14	09	07
Total No. of Teachers	120	135	128	121	143
Percentage per year	17.5	11.85	10.93	7.43	4.89
Average of five years	10.52				

*J. Ramesh*  
**PRINCIPAL**  
Kings College of Engineering,  
PUNALKULAM - 613 303,



## CRITERION: 2.4.2

### List of faculties having Ph.D.

*J. Muthu*  
**PRINCIPAL**  
Kings College of Engineering  
PUNALKULAM - 613 303.

Sl. No.	Name of the Faculty	Designation	Subject	Year of award	Awarding University	Status of UGC recognition
1	Dr. J. Arputha Vijaya Selvi	Principal	ECE	2006	National Institute of Technology	Yes
2	Dr. R.Saravanan	Professor	CIVIL	2013	Anna University	Yes
3	Dr. S.M.Uma	Associate Professor	CSE	2017	Anna University	Yes
4	Dr. D. Sivakumar	Assistant Professor	CSE	2018	Manonmaniam Sundaranar	Yes
5	Dr. T. Shanthi	Associate Professor	ECE	2018	Anna University	Yes
6	Dr. S. Sivakumar	Professor	EEE	2015	Anna University	Yes
7	Dr. A. Albert Martin Ruban	Associate Professor	EEE	2018	Manonmaniam Sundaranar	Yes
8	Dr. M. Meenalochani	Assistant Professor	EEE	2019	National Institute of Technology	Yes
9	Dr. P. Narasimman	Assistant Professor	EEE	2020	Anna University	Yes
10	Dr. T. Pushparaj	Assistant Professor	MECH	2015	Anna University	Yes
11	Dr. P.P. Shantharaman	Associate Professor	MECH	2019	Anna University	Yes
12	Dr. V.Sureshkumar	Associate Professor	Chemistry	2013	Bharathidasan University	Yes
13	Dr. S.Udhayakumar	Assistant Professor	Chemistry	2013	Bharathidasan University	Yes
14	Dr. P.Saravanan	Assistant Professor	Chemistry	2014	Bharathidasan University	Yes
15	Dr.R.Suresh	Assistant Professor	Mathematics	2017	Bharathidasan University	Yes
16	Dr. G.Ramya Arockiamary	Assistant Professor	Mathematics	2018	Bharathidasan University	Yes
17	Dr. S.Geetha	Assistant Professor	Mathematics	2020	Bharathidasan University	Yes
18	Dr. G.Shankarakalidoss	Assistant Professor	Mathematics	2019	Bharathidasan University	Yes
19	Dr. S.Revathi	Assistant Professor	Mathematics	2021	Bharathidasan University	Yes
20	Dr. G.Jeyakrishnan	Assistant Professor	Mathematics	2021	Bharathidasan University	Yes
21	Dr. D.Samundeeswari	Assistant Professor	Mathematics	2020	Bharathidasan University	Yes



**Doctorate Degree awarded by UGC recognized universities of full time teachers**

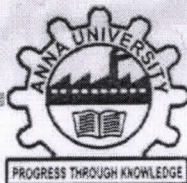
S. No.	Name	Department	Page No.
2020-2021			
1	Dr. P. Narasimman	EEE	6
2	Dr. S.Geetha	MATHS	7
3	Dr. S.Revathi	MATHS	8
4	Dr. G.Jeyakrishnan	MATHS	9
5	Dr. D.Samundeeswari	MATHS	10
2019-2020			
1	Dr. M. Meenalochani	EEE	12
2	Dr. P.P. Shantharaman	MECH	13
2018-2019			
1	Dr. D. Sivakumar	EEE	15
2	Dr. T. Shanthi	ECE	16
3	Dr. G.Ramya Arockiamary	MATHS	17
4	Dr. G.Shankarakalidoss	MATHS	18
5	Dr. A. Albert Martin Ruban	EEE	19
2017-2018			
1	Dr. S.M.Uma	CSE	21
2	Dr.R.Suresh	MATHS	22
2016-2017			
1	Dr. J. Arputha Vijaya Selvi	ECE	24
2	Dr. R.Saravanan	CIVIL	25
3	Dr. S. Sivakumar	EEE	26
4	Dr. T. Pushparaj	MECH	27
5	Dr. V.Sureshkumar	CHEMISTRY	28
6	Dr. S.Udhayakumar	CHEMISTRY	29
7	Dr. P.Saravanan	CHEMISTRY	30

  
**PRINCIPAL**  
 Kings College of Engineering  
 PUNALKULAM - 613 303.



2020 - 2021





Reg. No.1314369182/RG

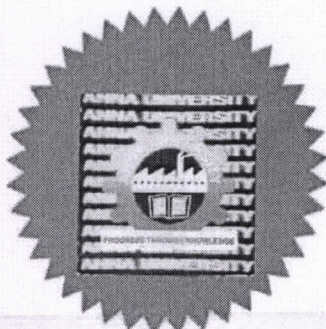


The Syndicate of the Anna University hereby makes known that **NARASIMMAN P** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the *Faculty of Electrical Engineering*, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2020**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

*Title of the Thesis:*

**MODELLING AND IMPLEMENTATION OF GRID TIED PV SYSTEM USING NOVEL REDUCED COMPONENT SC<sup>2</sup>DH MLI TOPOLOGY**

*Given under the seal of the University*



*J. M. M.*  
**PRINCIPAL**  
Kings College of Engineering,  
PUNALKULAM - 613 303.

Chennai 600025  
India  
March 2021  
NARASIMMAN P

*N. Narasimman P.*  
**Controller of Examinations**

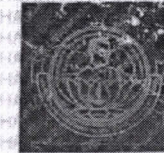
*N. Narasimman P.*  
**Registrar**

*M. K. P. D.*  
**Vice-Chancellor**





**Bharathidasan University**  
(Accredited with A+ Grade by NAAC in the Third Cycle)  
**Tiruchirappalli**

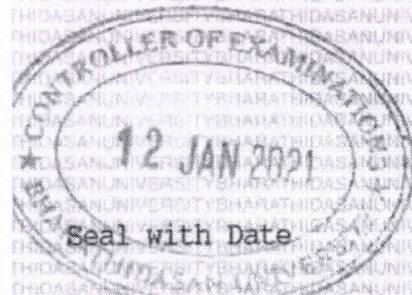


FOLIO NO: 5049

**PROVISIONAL CERTIFICATE**

This to certify that **GEETHA S**  
has qualified for the Degree of **DOCTOR OF PHILOSOPHY IN MATHEMATICS**  
he/she having been declared eligible for the same from **DECEMBER 2020** onwards

COMMENDED



**M. Sankar**  
Section Head

**S. Sankar**  
Controller of Examinations

**PRINCIPAL**  
Kings College of Engineering,  
PUNALKULAM - 613 303.





**Bharathidasan University**  
(Accredited with A+ Grade by NAAC in the Third Cycle)  
**Tiruchirappalli**



FOLIO NO. 5188

**PROVISIONAL CERTIFICATE**

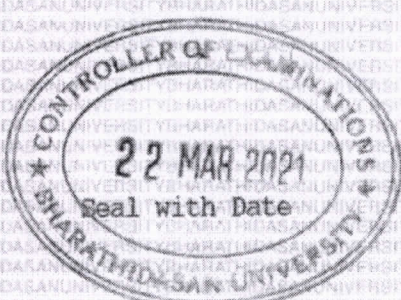
This to certify that

**REVATHI S**

has qualified for the Degree of **DOCTOR OF PHILOSOPHY IN MATHEMATICS**

he/she having been declared eligible for the same from **FEBRUARY 2021** onwards

COMMENDED



*M. Sekhar*  
Section Head

*[Signature]*  
Controller of Examinations

*J. Praveen*  
**PRINCIPAL**

**Kings College of Engineering,  
PUNALKULAM - 613 303.**





# Bharathidasan University

(Accredited with A+ Grade by NAAC in the Third Cycle)

Tiruchirappalli



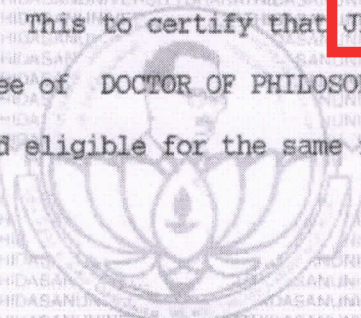
FOLIO NO: 5226

## PROVISIONAL CERTIFICATE

This to certify that **JEYAKRISHNAN G**

has qualified for the Degree of DOCTOR OF PHILOSOPHY IN MATHEMATICS

he/she having been declared eligible for the same from **20th FEBRUARY 2021** onwards



COMMENDED



M. Seetha  
Section Head

*[Signature]*  
Controller of Examinations

*[Signature]*  
**PRINCIPAL**  
Kings College of Engineering  
PUNALKULAM - 613 303.





**Bharathidasan University**  
(Accredited with A+ Grade by NAAC in the Third Cycle)  
Tiruchirappalli

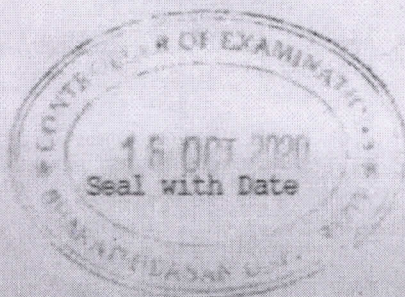


FOLIO NO: 4735

PROVISIONAL CERTIFICATE

This to certify that **SAMUNDEESWARI D**  
has qualified for the Degree of DOCTOR OF PHILOSOPHY IN MATHEMATICS  
he/she having been declared eligible for the same from **SEPTEMBER 2020** onwards

HIGHLY COMMENDED



*M. Sushil*  
Section Head

*[Signature]*  
Controller of Examinations

*[Signature]*  
**PRINCIPAL**  
Kings College of Engineering.  
PUNALKULAM - 613 303.



2019 – 2020



NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI - 620 015, TAMILNADU, INDIA.



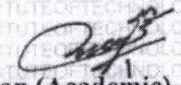
**PROVISIONAL CERTIFICATE**

Ref: Acad/Ph.D./PC/2019/3


Dated: 14-10-2019

This is to certify that **Ms. M Meenalochani** (Roll No. 407914002) has completed the prescribed courses and had defended her Ph.D. thesis entitled **"Investigations on Routing and Localization using Soft Computing Techniques for Wireless Sensor Networks"** successfully in a public viva - voce examination held on **11<sup>th</sup> September 2019**. She shall be awarded the **Doctor of Philosophy** degree in the forthcoming Convocation of the Institute.

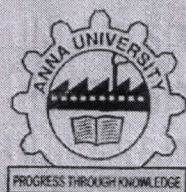


  
Dean (Academic)

National Institute of Technology  
Tiruchirappalli - 620 015

  
**PRINCIPAL**  
Kings College of Engineering,  
PUNALKULAM - 613 303.





# ANNA UNIVERSITY CHENNAI - 600 025

## PROVISIONAL CERTIFICATE

Folio No.: RAR012004

This is to certify that the candidate has qualified for the award of *Degree of Doctor of Philosophy* in compliance of the UGC Regulations 2009 as detailed below:

Name

SHANTHARAMAN P P

Registration Number

20112012015

Degree

Ph.D.

Department/Centre/Subject

MECHANICAL ENGINEERING

Faculty

MECHANICAL ENGINEERING

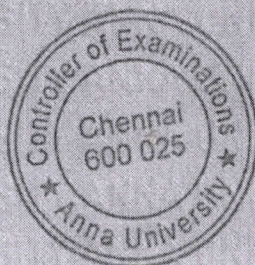
Date, Month & Year of Viva-Voce

Examination held

25.11.2019

Title of the Thesis

SYNTHESIS AND COLD WORKABILITY  
BEHAVIOR OF Al-SiC-Y<sub>2</sub>O<sub>3</sub> HYBRID NANO  
COMPOSITES PRODUCED THROUGH PM



*J. Ramani*  
**PRINCIPAL**  
Kings College of Engineering.  
PUNALKULAM - 613 303.

Chennai - 600 025

Date: 25-JAN-2020

*[Signature]*  
Controller of Examinations



2018 - 2019





மனோன்மணியம் சுந்தரனார் பல்கலைக்கழகம்  
Manonmaniam Sundaranar University



பொறியியற் புலம்

FACULTY OF ENGINEERING



மனோன்மணியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு  
சிவக்குமார் து

மென் பொருள் பொறியியல் - கணினி இயல் மற்றும் பொறியியல் (இணைவு) பாடப்பிரிவில்

அறிஞர் பட்டம் பெறுவதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற  
தேர்வினோர் சான்றளித்தவாறு ஜூலை 2018 ஆம்  
ஆண்டில் இப் பட்டப்பேற்றுக்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது.

The Syndicate of the **MANONMANIAM SUNDARANAR UNIVERSITY**

hereby makes known that

**SIVAKUMAR D**

has been admitted to the **Degree of Doctor of Philosophy in  
SOFTWARE ENGINEERING - COMPUTER SCIENCE AND ENGINEERING  
(INTERDISCIPLINARY)**

he/she having been certified by duly appointed Examiners to  
be qualified to receive the same in the year **JULY 2018**

Given under the seal of the University.



திருநெல்வேலி, இந்தியா  
Tirunelveli, India

நாள் / Dated 31.07.2018

(Dr.A.Suruliandi)

(Dr.S.Santhosh Baboo)

(Dr.K.Baskar)

தேர்வாளர்  
Controller of Examinations

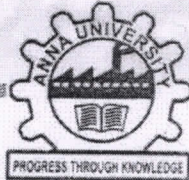
பதிவாளர்  
Registrar

துணைவேந்தர்  
Vice-Chancellor

**PRINCIPAL**  
Kings College of Engineering  
PUNALKULAM - 613 303.



# Anna University



Reg.No.20094012008/RG



The Syndicate of the Anna University hereby makes known that **SHANTHI T** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the **Faculty of Information and Communication Engineering**, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2018**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

*Title of the Thesis:*

**ENERGY CONSERVATION WITH ENHANCED RADIO PERFORMANCE  
IN COGNITIVE RADIO ENABLED WIRELESS SENSOR NETWORKS**

*Given under the seal of the University*



*J. Praveen*  
**PRINCIPAL**  
Kings College of Engineering  
PUNALKULAM - 613 303.

Chennai 600025

India

June 2018  
PAB014889

*[Signature]*  
Controller of Examinations

*[Signature]*  
Registrar

*[Signature]*  
Vice-Chancellor



Centre Code : 14 Reg.No. 42776-Ph.D-MAT



Code no. E5D73 : S.No.



# பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

Re-accredited with 'A' Grade by NAAC

(Established by the Government of Tamil Nadu in 1982; Recognized by UGC under 2(f) and 12(B) of UGC Act;  
Member, Association of Indian Universities and Association of Commonwealth Universities)



அறிவியல் புலம்  
FACULTY OF SCIENCE

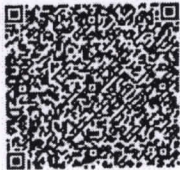
பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு ஜூன் 2018  
ஆம் ஆண்டு ரம்யா ஆரோக்கிய மேரி ஜா என்பவர்  
கணிதவியல் பிரிவில் முனைவர்  
என்னும் பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள்  
சான்றளித்தபடி முனைவர் என்னும் பட்டத்தை அவருக்குப்  
பல்கலைக்கழக இலச்சினையுடன் வழங்குகிறது.

The Syndicate of the **BHARATHIDASAN UNIVERSITY** hereby makes  
known that **RAMYA AROCKIA MARY G** has been admitted  
to the Degree of **DOCTOR OF PHILOSOPHY,** in the subject  
**MATHEMATICS,** having been certified  
by duly appointed Examiners to be qualified to receive  
the same in **JUNE 2018.**

Place of Study : A. VEERIYA VANDAYAR MEMORIAL SRI PUSHPAM COLLEGE(Autonomous), POONDI.

Title of the Thesis

"A STUDY ON MATHEMATICAL MODELS FOR VARIOUS TYPES OF  
CANCER TREATMENTS"



Given under the seal of the University.



திருச்சிரப்பள்ளி  
Tiruchirappalli

பதிவாளர் Registrar

P. Manisankar  
புனைவேந்தர் Vice - Chancellor

M 069468

நாள்:  
Date : 23rd October 2018

ISSUED ON : 23-10-2018





Centre Code : 14 Reg.No. 09455-Ph.D-MAT



Code no. 76D06 : S.No.



# பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

(Accredited with A+ Grade by NAAC in the Third Cycle)

(Established by the Government of Tamil Nadu in 1982; Recognized by UGC under 2(f) and 12(B) of UGC Act;  
Member, Association of Indian Universities and Association of Commonwealth Universities)



## அறிவியல் புலம் FACULTY OF SCIENCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு மார்ச் 2019  
ஆம் ஆண்டு சங்கரகாளிதாஸ் கு என்பவர்  
கணிதவியல் பிரிவில் முனைவர்  
என்னும் பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள்  
சான்றளித்தபடி முனைவர் என்னும் பட்டத்தை அவருக்குப்  
பல்கலைக்கழக இலச்சினையுடன் வழங்குகிறது.

The Syndicate of the **BHARATHIDASAN UNIVERSITY** hereby makes  
known that **SHANKARAKALIDOSS G** has been admitted  
to the Degree of **DOCTOR OF PHILOSOPHY,** in the subject  
**MATHEMATICS,** having been certified  
by duly appointed Examiners to be qualified to receive  
the same in **MARCH 2019.**

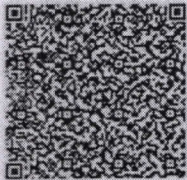
Place of Study : A. VEERIYA VANDAYAR MEMORIAL SRI PUSHPAM COLLEGE(Autonomous), POONDI.

### Title of the Thesis

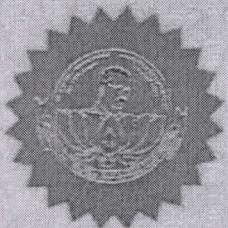
"A STUDY ON QUADRATIC, BIQUADRATIC, EXPONENTIAL AND HIGHER  
DEGREE DIOPHANTINE EQUATIONS"

*J. Prasad*  
**PRINCIPAL**

**Kings College of Engineering  
PUNALKULAM - 613 303.**



Given under the seal of the University.



திருச்சிராப்பள்ளி  
Tiruchirappalli

நாள் : 1st October 2019  
Date :

*P. Manisankar*  
பதிவாளர் Registrar

*P. Manisankar*  
துணைவேந்தர் Vice - Chancellor

0000752





மனோன்மணியம் சுந்தரனார் பல்கலைக்கழகம்  
Manonmaniam Sundaranar University



பொறியியற் புலம்

FACULTY OF ENGINEERING



மனோன்மணியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு  
ஆல்பர்ட் மார்டின் ரூபன் ஆ

இலக்குத்திற மின்னணுவியலும் தொழிற்சாலையக இயக்கிகளும் - கணினி அறிவியலும்  
பொறியியலும் (இணைவுப் புலம்) பாடப்பிரிவில்

அறிஞர் பட்டம் பெறுவதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற  
தேர்வினோர் சான்றளித்தவாறு ஆகஸ்ட் 2018 ஆம்  
ஆண்டில் இப் பட்டப்பேற்றுக்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

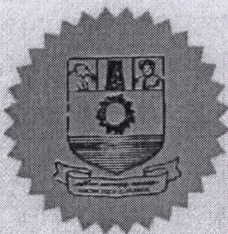
பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது.

The Syndicate of the **MANONMANIAM SUNDARANAR UNIVERSITY**  
hereby makes known that **ALBERT MARTIN RUBAN A**

has been admitted to the **Degree of Doctor of Philosophy in**  
**POWER ELECTRONICS AND INDUSTRIAL DRIVES- COMPUTER SCIENCE AND ENGINEERING**  
(INTERDISCIPLINARY)

he/she having been certified by duly appointed Examiners to  
be qualified to receive the same in the year **AUGUST 2018**

Given under the seal of the University.



(Dr.A.Suruliandi)

தேர்வாணையர்  
Controller of Examinations

(Dr.S.Santhosh Baboo)

பதிவாளர்  
Registrar

**PRINCIPAL**  
Kings College of Engineering.  
PUNALKULAM - 613 303.

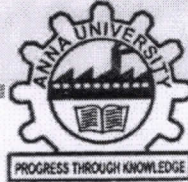
(Dr.K.Pitchumani)

துணைவேந்தர்  
Vice-Chancellor



2017 - 2018





Reg.No. 20104022026/RG

The Syndicate of the Anna University hereby makes known that **UMA S M** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2017**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

**FEATURE SUBSET SELECTION BASED ON HYBRIDIZATION OF META HEURISTIC ALGORITHMS FOR CLASSIFICATION OF MICROARRAY GENE DATA**

Given under the Seal of the University



*J. Praveen*  
**PRINCIPAL**  
Kings College of Engineering  
PUNALKULAM - 613 303.





Code No. 008C7 :S.No. 68336

# பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

Re-accredited with 'A' Grade by NAAC

(Established by the Government of Tamil Nadu in 1982; Recognized by UGC under 2(f) and 12(B) of UGC Act;  
Member, Association of Indian Universities and Association of Commonwealth Universities)

அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு நவம்பர் 2017

ஆம் ஆண்டு ரெ. சுரேஷ் என்பவர்  
கணிதவியல் பிரிவில் முனைவர் என்னும்  
பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள் சான்றளித்தபடி  
முனைவர் என்னும் பட்டத்தை அவருக்குப் பல்கலைக்கழக  
இலச்சினையுடன் வழங்குகிறது.

The Syndicate of the BHARATHIDASAN UNIVERSITY hereby makes  
known that **R. SURESH** has been admitted  
to the Degree of DOCTOR OF PHILOSOPHY, in the subject  
MATHEMATICS, having been certified by duly  
appointed Examiners to be qualified to receive the same in  
**NOVEMBER 2017.**

Thesis Title

"COMPLEX FUZZY SETS, THEORY AND ITS APPLICATIONS"

*J. Praveen*  
PRINCIPAL

Kings College of Engineering  
PUNALKULAM - 613 303.

Given under the seal of the University.



திருச்சிராப்பள்ளி  
Tiruchirappalli

*Kha*  
மதிவாளர் Registrar

*P. Manisankar*  
துணைவேந்தர் Vice - Chancellor

நாள்:  
Date :

21st February 2018

055476



2016 - 2017



# National Institute of Technology

TIRUCHIRAPPALLI - 620 015 INDIA



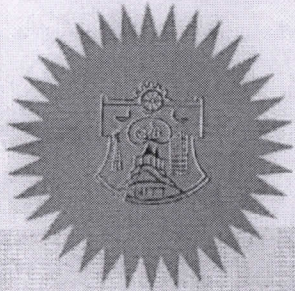
*hereby confers the degree of*  
**Doctor of Philosophy**  
*of the Institute*

*on*  
**J ARPUTHA VIJAYA SELVI**

*for successfully completing the prescribed programme of study  
and presenting the thesis entitled*

**ONLINE CONDUCTIVITY CONTROL AND ESTIMATION OF CONTROLLER  
PARAMETERS FOR PROCESSES WITH TRANSPORTATION LAG**

*Given this day the Twenty Third of December, 2006*  
*Under the Seal of the Institute.*



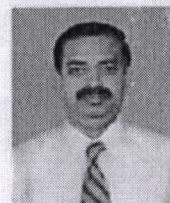
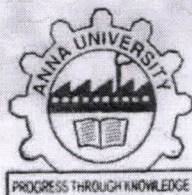
*T. Gururaj*  
Registrar

*M. Chidambaram*  
Director

*M. S. Narayana*  
Chairman, Board of Governors

*S. Praveen*  
**PRINCIPAL**  
Kings College of Engineering  
PUNALKULAM - 613 303.





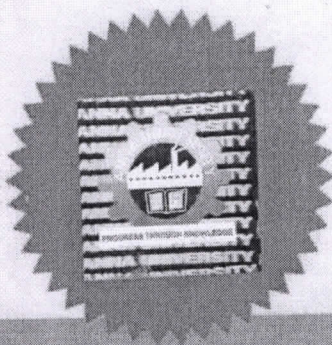
Reg.No. 10900221044/RG

The Syndicate of the Anna University hereby makes known that **SARAVANAN R** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the *Faculty of Civil Engineering*, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2013**.

*Title of the Thesis:*

**DEVELOPMENT OF BIO-COMPOSITE CONCRETE PANELS AND PERFORMANCE COMPARISON WITH CONVENTIONAL AND ADVANCED PANELS**

*Given under the Seal of the University*



*S. Praveen*  
**PRINCIPAL**  
Kings College of Engineering  
PUNALKULAM - 613 303.





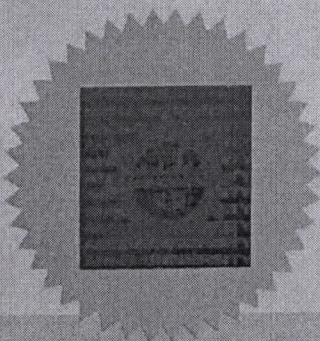
Reg. No. 2006389702/RG

The Syndicate of the Anna University hereby makes known that **SIVAKUMAR S** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the *Faculty of Electrical Engineering*, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2015**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

*Title of the Thesis:*

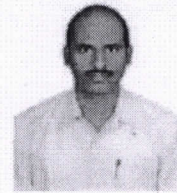
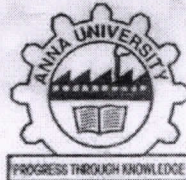
**CONGESTION MANAGEMENT IN DEREGULATED POWER SYSTEM  
USING SINGLE AND MULTI OBJECTIVE GENETIC ALGORITHM**

*Given under the Seal of the University*



*J. Prakash*  
**PRINCIPAL**  
Kings College of Engineering,  
PUNALKULAM - 613 303.





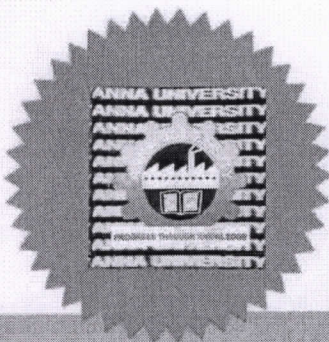
Reg.No. 20102072025/RG

The Syndicate of the Anna University hereby makes known that **PUSHPARAJ T** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the *Faculty of Mechanical Engineering*, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2015**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

*Title of the Thesis:*

**PERFORMANCE AND EXHAUST EMISSION CHARACTERISTICS OF A CI ENGINE FUELLED WITH CASHEW NUT SHELL LIQUID (CNSL) BIO-OIL**

*Given under the Seal of the University*



*J. Praveen*  
**PRINCIPAL**  
Kings College of Engineering  
PUNALKULAM - 613 303.



H 074868



Code No. 00593 S.No. 733308

**பாரதிதாசன் பல்கலைக்கழகம்**  
**BHARATHIDASAN UNIVERSITY**

(Established by the Government of Tamil Nadu in 1982; Recognized by UGC under 2f and 12B of UGC Act;  
Member, Association of Indian Universities and Association of Commonwealth Universities; Accredited by NAAC with 'A' Grade)

**அறிவியல் புலம்**  
**FACULTY OF SCIENCE**

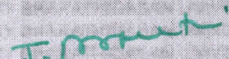
**பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு ஜூன் 2013**

ஆம் ஆண்டு வெ. சுரேஷ் குமார் என்பவர்  
வேதியியல் பிரிவில் முனைவர் என்னும்  
பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள் சான்றளித்தபடி  
முனைவர் என்னும் பட்டத்தை அவருக்குப் பல்கலைக்கழக  
இலச்சினையுடன் வழங்குகிறது.

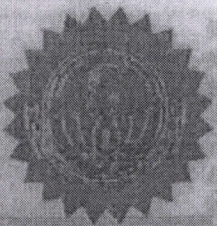
The Syndicate of the **BHARATHIDASAN UNIVERSITY** hereby makes  
known that **V. SURESH KUMAR** has been admitted  
to the Degree of **DOCTOR OF PHILOSOPHY**, in the subject  
**CHEMISTRY**, having been certified by duly  
appointed Examiners to be qualified to receive the same in  
**JUNE 2013.**

Thesis Title

"INFLUENCE OF SOME POLYMERIC COMPOUNDS ON CORROSION  
INHIBITION OF CARBON STEEL IN ACID MEDIUM"

  
**PRINCIPAL**  
Kings College of Engineering  
PUNALKULAM - 613 303.

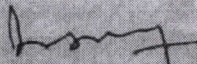
Given under the seal of the University.

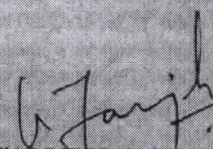


தஞ்சாவூர்  
Tanjavurappalli

25th November 2013

Date

  
பதிவாளர் Registrar

  
AUTHORIZED SIGNATORY

For  
ஆளுகையாளர் Vice - Chancellor

25 NOV 2013



H 074902



Code No. 0008B S.No. 733411

## பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

(Established by the Government of Tamil Nadu in 1982; Recognized by UGC under 2f and 12B of UGC Act;  
Member, Association of Indian Universities and Association of Commonwealth Universities; Accredited by NAAC with 'A' Grade)

### அறிவியல் புலம் FACULTY OF SCIENCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு அக்டோபர் 2013

ஆம் ஆண்டு து. உதயகுமார் என்பவர்  
வேதியியல் பிரிவில் முனைவர் என்னும்  
பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள் சான்றளித்தபடி  
முனைவர் என்னும் பட்டத்தை அவருக்குப் பல்கலைக்கழக  
இலச்சினையுடன் வழங்குகிறது.

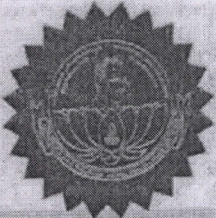
The Syndicate of the BHARATHIDASAN UNIVERSITY hereby makes  
known that **S. UDAYAKUMAR** has been admitted  
to the Degree of DOCTOR OF PHILOSOPHY, in the subject  
CHEMISTRY, having been certified by duly  
appointed Examiners to be qualified to receive the same in  
**OCTOBER 2013.**

Thesis Title

"SYNTHESIS AND CHARACTERIZATION OF TRANSITION METAL IONS  
DOPED ZnO NANORODS"

PRINCIPAL

Kings College of Engineering  
PUNALKULAM - 613 303.



Given under the seal of the University.

திருச்சிரப்பள்ளி  
Tiruchirappalli

தாள் : 25th November 2013

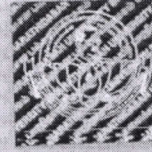
பதிவாளர் Registrar

AUTHORIZED SIGNATORY

தரணவேந்தர் Vice - Chancellor



I 077731



Code No. 044EF : S.No. 801734

**பாரதிதாசன் பல்கலைக்கழகம்**  
**BHARATHIDASAN UNIVERSITY**

(Established by the Government of Tamil Nadu in 1982; Recognized by UGC under 2f and 12B of UGC Act;  
Member, Association of Indian Universities and Association of Commonwealth Universities; Re-accredited by NAAC with 'A' Grade)

**அறிவியல் புலம்**  
**FACULTY OF SCIENCE**

**பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு ஆகஸ்டு 2014**

ஆம் ஆண்டு ப. சரவணன் என்பவர்  
வேதியியல் பிரிவில் முனைவர் என்னும்  
பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள் சான்றளித்தபடி  
முனைவர் என்னும் பட்டத்தை அவருக்குப் பல்கலைக்கழக  
இலச்சினையுடன் வழங்குகிறது.

The Syndicate of the **BHARATHIDASAN UNIVERSITY** hereby makes  
known that **P. SARAVANAN** has been admitted  
to the Degree of **DOCTOR OF PHILOSOPHY**, in the subject  
**CHEMISTRY**, having been certified by duly  
appointed Examiners to be qualified to receive the same in  
**AUGUST 2014.**

**Thesis Title**

"A STUDY ON THE EXTRACTION AND APPLICATION OF SOME  
ECO-FRIENDLY NATURAL DYES OBTAINED FROM PLANT SOURCES"

**PRINCIPAL**

**Kings College of Engineering,**  
**PUNALKULAM - 613 303.**

*Given under the seal of the University.*



திருச்சிரப்பள்ளி  
Tiruchirappalli

நாள் :  
Date :

23rd December 2014

*[Signature]*  
பதிவாளர் Registrar

*[Signature]*  
குணைவேந்தர் Vice-Chancellor