



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

பொறியியல் புலம்  
FACULTY OF ENGINEERING

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு,  
கதிரவன் ந. 2007 ஆம் ஆண்டு, செப்டம்பர் 14 ஆம் நாளில் இயந்திரப் பொறியியல் என்னும் பிரிவில்  
ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றிதழை  
ஏற்று, அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக் கழக இலச்சினைமுடன்,  
பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that KATHIRAVAN N  
has been admitted to the Degree of DOCTOR OF PHILOSOPHY in MECHANICAL ENGINEERING,  
having been certified by duly appointed Examiners to be qualified to receive the same on 14th SEPTEMBER 2007.

Dr. J. JAYA, M Tech, Ph.D.  
PRINCIPAL

Akshaya College of Engineering and Technology  
Kilasaikuppam, Coimbatore - 642 109

Coimbatore

நாள்

Dated: 8th February 2008

70701

Controller of Examination

VERIFIED AND FOUND CORRECT

Given under the Seal of the University.  
ASST. REGISTRAR / DEPUTY REGISTRAR

தேர்வாளரை

பதிவாளர்

Registrar

துணைவேந்தர்

Vice-Chancellor



C No 130805

  
**பாரதியார் பல்கலைக்கழகம்**  
**BHARATHIAR UNIVERSITY**  
COIMBATORE - 641 046, TAMILNADU, INDIA.

State University | Re-accredited with "A" Grade by NAAC | Ranked 14<sup>th</sup> among Indian Universities by MHRD-NIRF

Ref.No: COE/AUTHN/2020/2329

DATE: 19.02.2020

From

To

The Controller of Examinations i/c  
Bharathiar University  
Coimbatore - 641 046.

The Principal  
Akshaya College of Technology  
Kinathukadavu,  
Coimbatore -642 109.

Sir/Madam

Sub: Degree Certificate – Authentication – Sent – Reg

Ref: Your letter No. ACET/PRL/BU/Staff Affairs/19 dated: 07.02.2020

\*\*\*\*\*

With reference to the above, it is informed that the copy of the degree certificates issued by this university to the following candidate has been verified and found that the said certificates are genuine & authenticated and the same is/are returned herewith.

| S.No. | NAME         | REG.No. | DEGREE                            | MONTH & YEAR OF PASSING            | MODE OF STUDY |
|-------|--------------|---------|-----------------------------------|------------------------------------|---------------|
| 1     | KATHIRAVAN N | -----   | Ph.D<br>Mechanical<br>Engineering | 14 <sup>th</sup> September<br>2007 | Part Time     |
| 2     | ANITHA S     | -----   | Ph.D English                      | 19 <sup>th</sup> October 2015      | Part Time     |

  
CONTROLLER OF EXAMINATIONS i/c

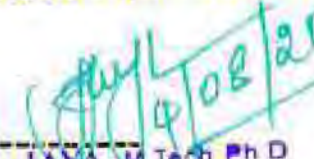
Encl: As above



**TRUE COPY ATTESTED**

-----

Website: w.w.b-u.ac.in | E-mail: coe@buc.edu.in | Phone.N : 0422-2428173/2428183 | Fax: +91 422 2428274

  
DE. J. JAYA, M Tech Ph D  
PRINCIPAL  
Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore-642 109



Reg.No. 100910321024/RG



The Syndicate of the Anna University hereby makes known that **NAGARAJA S** 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 **2014**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

**CERTAIN INVESTIGATIONS ON THE EFFECT OF COMPRESSION RATIO OVER THE PERFORMANCE AND EMISSION CHARACTERISTICS OF CI ENGINE WITH BIODIESEL BLENDS**

**TRUE COPY ATTESTED**

**Dr. J. JAYA, M Tech Ph D**  
**PRINCIPAL**

**Akshaya College of Engineering and Technology**  
**Knathukadavu, Coimbatore - 642 109**

*Given under the Seal of the University*





**ANNA UNIVERSITY**  
CHENNAI 600 025  
**Office of the Controller of Examinations**

|   |         |                                                        |
|---|---------|--------------------------------------------------------|
| ☎ | Off:    | 22357274, 22357275                                     |
|   |         | 22357276                                               |
|   | Fax:    | 91-44-22301134                                         |
|   | E-mail: | <a href="mailto:coe@annauniv.edu">coe@annauniv.edu</a> |

**CONTROLLER OF EXAMINATIONS**

Lr.No.5226/C11/2020

Date: 10.02.2020

From

**The Controller of Examinations**  
Anna University,  
Chennai- 600 025.

To

**The Principal**  
AKSHAYA COLLEGE OF ENGINEERING  
& TECHNOLOGY,  
Bagavathipalayam Road,  
Kinathukadavu,  
Pollachi Taluk,  
COIMBATORE - 642109.

Sir / Madam,

Sub : Office of the Controller of Examinations - Anna University – Verification  
of Educational Qualification - Reg. \*

Ref : Your Letter No. ACET/PRL/AU/CAI/17, Dated.06.02.2020.

\*\*\*\*\*

With reference to the Letter I cited, it is informed that **Mr. NAGARAJA S** Student of Ph.D, under the Faculty of **Mechanical Engineering**, has successfully completed the Degree Programme in the year **2014** at Anna University, Chennai - 600 025. The details of educational qualification of the candidate were duly verified with the records of this office and found to be genuine.

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Name                                                          | : <b>NAGARAJA S</b>      |
| Reg.No                                                        | : 100910321024           |
| Degree                                                        | : Ph.D                   |
| Faculty                                                       | : Mechanical Engineering |
| Year of Passing                                               | : 2014                   |
| Admitted and Degree Awarded<br>in the Convocation held during | : November, 2014         |

Yours faithfully,



*N. S.* **TRUE COPY ATTESTED**  
for **CONTROLLER OF EXAMINATIONS**

*(Signature)* **Dr. J. JAYA, M.Tech Ph.D**  
**PRINCIPAL**  
Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore-642109

भारतीय प्रौद्योगिकी संस्थान (भारतीय खनिज विद्यापीठ), धनबाद



अभिषद् की अनुशंसा पर

एन. मदन कुमार

को

विद्या वाचस्पति की उपाधि शोध प्रबंध शीर्षक



एन इन्वेस्टीगेशन ऑफ वियर बिहेवियर एण्ड मटेरियल रिमूवल रेट ऑफ एए 2618 एमएमसी रिइन्फोर्सड विथ  $Si_3N_4$ ,  $AlN$  एण्ड  $ZrB_2$  इनसीटू कंपोजिट्स

में, विनियमों में विहित अर्हताओं को दिनांक 15 फरवरी 2018 को सफलतापूर्वक पूर्ण कर लेने के उपरान्त, भारतीय गणराज्य के अंतर्गत धनबाद में यह मुद्रांकित उपाधि दिनांक 13 अप्रैल 2018 को प्रदान करता है।

Indian Institute of Technology (Indian School of Mines), Dhanbad

On the recommendation of the Senate, hereby confers upon

*N. Mathan Kumar*

the Degree of Doctor of Philosophy

on the Research Title

Dr. J. JAYA, M Tech Ph D  
PRINCIPAL

Akshaya College of Engineering and Technology  
Kinnasakudaya, Coimbatore - 642 109

AN INVESTIGATION OF WEAR BEHAVIOUR AND MATERIAL  
REMOVAL RATE OF AA 2618 MMC REINFORCED WITH  $Si_3N_4$ ,  $AlN$  AND  
 $ZrB_2$  INSITU COMPOSITES

on successful completion of the requirements prescribed under the regulations, on 15th February, 2018 for the award of this degree.

Given this day, under the seal of the Institute at Dhanbad in the Republic of India, the 13th day of April, 2018.

*[Signature]*

कुलसचिव  
Registrar

*[Signature]*

निदेशक एवं अध्यक्ष, अभिषद्  
Director &  
Chairman, Senate

Professor-in-Charge (Examination)  
I.I.T. (ISM), Dhanbad-826004

अध्यक्ष, शासक मंडल  
Chairman,  
Board of Governors



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ) धनबाद  
INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES) DHANBAD  
धनबाद-826004, झारखण्ड, भारत  
DHANBAD-826004, JHARKHAND, INDIA

No. Exam/219806/2019-20 (P – VI)

Date: 3<sup>rd</sup> March, 2020

**TO WHOM IT MAY CONCERN**

This is to certify that Ph.D Degree Certificate Serial No. PHD/2018/282 dated 15<sup>th</sup> February, 2018 of Mr. N. Mathan Kumar, Admission No. 2014/DR/1119 is issued from this Institute and genuine.

(Rohith P John)

Professor-In-Charge (Examination)

(exam@iitism.ac.in)

Professor-in-Charge (Examination)  
I.I.T. (ISM), Dhanbad-826004

**TRUE COPY ATTESTED**

Dr. J. JAYA, M.Tech Ph.D  
PRINCIPAL

Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore - 642 109

1926 से राष्ट्र की सेवा में

In service of the Nation since 1926

INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES) DHANBAD  
Phone: (0326) 2296-559 to 562 (4 Lines); Fax: (0326) 2296563  
Email: exam@iitism.ac.in Website: www.iitism.ac.in



Reg No. 7079123121

*The Syndicate of the Anna University Coimbatore hereby makes known that*  
**RAVINDRAN R** *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* **2011.**

*Title of the thesis:*

**STUDIES ON FORMING LIMIT DIAGRAM AND VOID**  
**COALESCENCE OF ALUMINIUM - MAGNESIUM ALLOYS**

**TRUE COPY ATTESTED**

**Dr. J. JAYA, M Tech Ph D**  
**PRINCIPAL**

**Abhyasa College of Engineering and Technology**  
**Kinathukadavu Coimbatore-642 109**  
*Given under the Seal of the University*



Coimbatore 641 047  
 India  
 March 2012

*[Signature]*  
 Controller of Examinations

*[Signature]*  
 Registrar

*[Signature]*  
 Vice-Chancellor

|                                                                                   |                                                                                              |                     |                                                                |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------|
|  | <b>ANNA UNIVERSITY</b><br>CHENNAI 600 025<br><b>Office of the Controller of Examinations</b> | ☎                   | Off: 22357274, 22357275<br>22357278                            |
|                                                                                   |                                                                                              | Fax: 91-44-22301134 | E-mail: <a href="mailto:coe@annauniv.edu">coe@annauniv.edu</a> |

## CONTROLLER OF EXAMINATIONS

Lr.No.5226/C11/2020

Date: 10.02.2020

From

To

**The Controller of Examinations**

Anna University,  
Chennai- 600 025.

**The Principal**

AKSHAYA COLLEGE OF ENGINEERING  
& TECHNOLOGY,  
Bagavathipalayam Road,  
Kinathukadavu,,  
Pollachi Taluk, - COIMBATORE 642109.

Sir / Madam,

Sub : Office of the Controller of Examinations - Anna University – Verification  
of Educational Qualification - Reg.

Ref : Your Letter No. ACET/PRL/AU/CAI/17, Dated.06.02.2020.

\*\*\*\*\*

With reference to the letter I cited, it is informed that **Mr. RAVINDRAN R** student of Ph.D, under the Faculty of **Mechanical Engineering**, has successfully completed the Degree Programme in the year **2011** at erstwhile Anna University of Technology, Coimbatore. The details of educational qualification of the candidate were duly verified with the records of this office and found to be genuine.

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Name                                                          | : <b>RAVINDRAN R</b>     |
| Reg.No                                                        | : 7079123121             |
| Degree                                                        | : Ph.D                   |
| Faculty                                                       | : Mechanical Engineering |
| Year of Passing                                               | : 2011                   |
| Admitted and Degree Awarded<br>in the Convocation held during | : March, 2012            |

Yours faithfully,



**TRUE COPY ATTESTED**  
for **CONTROLLER OF EXAMINATIONS**

**Dr. J. JAYA, M.Tech Ph.D**  
**PRINCIPAL**  
Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore - 642 109



Reg.No. 20102012037/RG

*The Syndicate of the Anna University hereby makes known that*  
**SIVAKUMAR R** *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* **2014** *. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".*

*Title of the Thesis:*

**MULTI CRITERIA DECISION MAKING BASED GREEN SUPPLIER EVALUATION AND SELECTION IN PROCESS INDUSTRY**

**TRUE COPY ATTESTED**

**Dr. J. JAYA, M.Tech Ph.D**  
**PRINCIPAL**

**Akshaya College of Engineering and Technology**

*Given under the Seal of Anna University*  
Kilmeri, Chennai - 602 109



Chennai 600 025

India

November 2014

KAR/217

*[Signature]*  
**Controller of Examinations**

Page 9 of 43

*[Signature]*  
**Registrar**

*[Signature]*  
**Vice-Chancellor**

|                                                                                   |                                                                                              |  |         |                    |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--|---------|--------------------|
|  | <b>ANNA UNIVERSITY</b><br>CHENNAI 600 025<br><b>Office of the Controller of Examinations</b> |  | Off:    | 22357274, 22357275 |
|                                                                                   |                                                                                              |  |         | 22357276           |
|                                                                                   |                                                                                              |  | Fax:    | 91-44-22301134     |
|                                                                                   |                                                                                              |  | E-mail: | coe@annauniv.edu   |

## CONTROLLER OF EXAMINATIONS

Lr.No.5226/C11/2020

Date: 10.02.2020

From

**The Controller of Examinations**  
 Anna University,  
 Chennai- 600 025.

To

**The Principal**  
 AKSHAYA COLLEGE OF ENGINEERING  
 & TECHNOLOGY,  
 Bagavathipalayam Road,  
 Kinathukadavu,  
 Pollachi Taluk,  
 COIMBATORE - 642109.

Sir / Madam,

Sub : Office of the Controller of Examinations - Anna University – Verification  
 of Educational Qualification - Reg. \*

Ref : Your Letter No. ACET/PRL/AU/CAI/17, Dated.06.02.2020.

\*\*\*\*\*

With reference to the Letter I cited, it is informed that **Mr. SIVAKUMAR R** Student of Ph.D. under the Faculty of **Mechanical Engineering**, has successfully completed the Degree Programme in the year **2014** at Anna University, Chennai - 600 025. The details of educational qualification of the candidate were duly verified with the records of this office and found to be genuine.

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Name                                                          | : <b>SIVAKUMAR R</b>     |
| Reg.No                                                        | : 20102012037            |
| Degree                                                        | : Ph.D                   |
| Faculty                                                       | : Mechanical Engineering |
| Year of Passing                                               | : 2014                   |
| Admitted and Degree Awarded<br>in the Convocation held during | : November, 2014         |

Yours faithfully,



*M. S. S.* 10/2/2020  
**TRUE COPY ATTESTED**  
 for CONTROLLER OF EXAMINATIONS

*[Signature]* 10/02/20  
**Dr. J. JAYA, M Tech Ph D**  
**PRINCIPAL**  
 Akshaya College of Engineering and Technology  
 Kinathukadavu, Coimbatore-642109



Reg.No.10900331072/RG



The Syndicate of the Anna University hereby makes known that **SENDHIL KUMAR S** 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 **2017**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

**DEVELOPMENT OF AN EXPERT SYSTEM FOR REAL TIME  
CONDITION MONITORING OF ROTOR-BEARING SYSTEM**

**TRUE COPY ATTESTED**

Given under the seal of the University



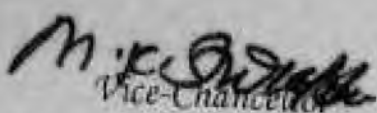
**Dr. J. JAYA, M.Tech Ph.D**  
**PRINCIPAL**

**Akshaya College of Engineering and Technology**  
**Kinathukadavu, Coimbatore - 642 109**

Chennai 600025  
India  
June 2018

  
**Controller of Examinations**

  
**Registrar**

  
**Vice-Chancellor**

|                                                                                   |                                                                                              |  |         |                    |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--|---------|--------------------|
|  | <b>ANNA UNIVERSITY</b><br>CHENNAI 600 025<br><b>Office of the Controller of Examinations</b> |  | Off:    | 22357274, 22357275 |
|                                                                                   |                                                                                              |  |         | 22357276           |
|                                                                                   |                                                                                              |  | Fax:    | 91-44-22301134     |
|                                                                                   |                                                                                              |  | E-mail: | coe@annauniv.edu   |

## CONTROLLER OF EXAMINATIONS

Lr.No.5226/C11/2020

Date: 10.02.2020

From

**The Controller of Examinations**  
 Anna University,  
 Chennai- 600 025.

To

**The Principal**  
 AKSHAYA COLLEGE OF ENGINEERING  
 & TECHNOLOGY,  
 Bagavathipalayam Road,  
 Kinathukadavu,  
 Pollachi Taluk,  
 COIMBATORE - 642109.

Sir / Madam,

Sub : Office of the Controller of Examinations - Anna University – Verification  
 of Educational Qualification - Reg. \*

Ref : Your Letter No. ACET/PRL/AU/CAI/17, Dated.06.02.2020.

\*\*\*\*\*

With reference to the Letter I cited, it is informed that **Mr. SENDHIL KUMAR S** Student of Ph.D, under the Faculty of **Mechanical Engineering**, has successfully completed the Degree Programme in the year **2017** at Anna University, Chennai - 600 025. The details of educational qualification of the candidate were duly verified with the records of this office and found to be genuine.

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Name                                                          | : <b>SENDHIL KUMAR S</b> |
| Reg.No                                                        | : 10900331072            |
| Degree                                                        | : Ph.D                   |
| Faculty                                                       | : Mechanical Engineering |
| Year of Passing                                               | : 2017                   |
| Admitted and Degree Awarded<br>in the Convocation held during | : June, 2018             |

Yours faithfully,



**TRUE COPY ATTESTED**  
 for CONTROLLER OF EXAMINATIONS

**Dr. J. JAYA, M Tech Ph D**  
**PRINCIPAL**  
 Akshaya College of Engineering and Technology  
 Kinathukadavu, Coimbatore - 642 109



Reg.No.11110632035/RG



The Syndicate of the Anna University hereby makes known that **VIJI C** 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:*

**AN IMPROVED SOFTWARE FAULT PREDICTION SCHEMES FOR OBJECT ORIENTED SYSTEM**

Given under the seal of the University

**TRUE COPY ATTESTED**



Chennai 600025  
India  
December 2018  
PAB/2018

  
Controller of Examinations  
KMC

  
Registrar

  
**Dr. J. JAYA, M.Tech Ph.D**  
**PRINCIPAL**  
Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore-642 109

  
Vice-Chancellor

|                                                                                  |                                                                                              |                                                                                     |                                                        |                    |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------|
|  | <b>ANNA UNIVERSITY</b><br>CHENNAI 600 025<br><b>Office of the Controller of Examinations</b> |  | Off:                                                   | 22357274, 22357275 |
|                                                                                  |                                                                                              |                                                                                     |                                                        | 22357276           |
|                                                                                  |                                                                                              | Fax:                                                                                | 91-44-22301134                                         |                    |
|                                                                                  |                                                                                              | E-mail:                                                                             | <a href="mailto:coe@annauniv.edu">coe@annauniv.edu</a> |                    |

## CONTROLLER OF EXAMINATIONS

Lr.No.5226/C11/2020

Date: 10.02.2020

From

**The Controller of Examinations**  
 Anna University,  
 Chennai- 600 025.

To

**The Principal**  
**AKSHAYA COLLEGE OF ENGINEERING**  
**& TECHNOLOGY,**  
 Bagavathipalayam Road,  
 Kinathukadavu,  
 Pollachi Taluk,  
 COIMBATORE - 642109.

Sir / Madam,

Sub : Office of the Controller of Examinations - Anna University – Verification  
 of Educational Qualification - Reg.

Ref : Your Letter No. ACET/PRL/AU/CAI/17, Dated.06.02.2020.

\*\*\*\*\*

With reference to the Letter I cited, it is informed that **Ms. VIJI C** Student of Ph.D, under the Faculty of **Information and Communication Engineering**, has successfully completed the Degree Programme in the year **2018** at Anna University, Chennai - 600 025. The details of educational qualification of the candidate were duly verified with the records of this office and found to be genuine.

|                                                               |                                                    |
|---------------------------------------------------------------|----------------------------------------------------|
| Name                                                          | : <b>VIJI C</b>                                    |
| Reg.No                                                        | : <b>11110632035</b>                               |
| Degree                                                        | : <b>Ph.D</b>                                      |
| Faculty                                                       | : <b>Information and Communication Engineering</b> |
| Year of Passing                                               | : <b>2018</b>                                      |
| Admitted and Degree Awarded<br>in the Convocation held during | : <b>December, 2018</b>                            |

Yours faithfully,



**TRUE COPY ATTESTED**  
*NS* 10.02.2020  
 for **CONTROLLER OF EXAMINATIONS**  
**Dr. J. JAYA, M.Tech Ph.D**  
**PRINCIPAL**  
**Akshaya College of Engineering and Technology**  
**Kinathukadavu, Coimbatore-642 109**



Reg.No. 7081052221/RG

The Syndicate of the Anna University hereby makes known that **SIVASANKARI K** 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 **2014**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

**CERTAIN INVESTIGATIONS ON AUTOMATED EPILEPTIC SEIZURE DETECTION METHODS USING FASTICA AND NEURAL NETWORK**

**TRUE COPY ATTESTED**

*(Signature)*  
19/08/20

**Dr. J. JAYA, M Tech Ph D**  
**PRINCIPAL**

**Akshaya College of Engineering and Technology**  
**Kinathukadavu, Coimbatore - 642 109**

Given under the Seal of the University



Chennai-600 025

India

November 2014

Annex-1

*(Signature)*  
**Controller of Examinations**

Page 15 of 43

*(Signature)*  
**Registrar**

*(Signature)*  
**Vice-Chancellor**



Reg.No. 2006469706/RG

*The Syndicate of the Anna University hereby makes known that*  
**SUGUNA N** *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* **2012.**

*Title of the Thesis:*

**CERTAIN INVESTIGATIONS ON CLASSIFICATION OF MEDICAL  
DATASETS USING SOFT COMPUTING TECHNIQUES**

**TRUE COPY ATTESTED**

*Given under the Seal of the University*

**Dr. J. JAYA, M.Tech Ph.D**  
**PRINCIPAL**

**Akshaya College of Engineering and Technology**  
**Kinathukadavu, Coimbatore-642 109**





**ANNA UNIVERSITY**  
CHENNAI 600 025  
**Office of the Controller of Examinations**

|   |         |                                                        |
|---|---------|--------------------------------------------------------|
| ☎ | Off:    | 22357274, 22357275                                     |
|   |         | 22357276                                               |
|   | Fax:    | 91-44-22301134                                         |
|   | E-mail: | <a href="mailto:coe@annauniv.edu">coe@annauniv.edu</a> |

**CONTROLLER OF EXAMINATIONS**

Lr.No.5226/C11/2020

Date: 10.02.2020

From

**The Controller of Examinations**  
Anna University,  
Chennai- 600 025.

To

**The Principal**  
AKSHAYA COLLEGE OF ENGINEERING  
& TECHNOLOGY,  
Bagavathipalayam Road,  
Kinathukadavu,  
Pollachi Taluk,  
COIMBATORE - 642109.

Sir / Madam,

Sub : Office of the Controller of Examinations - Anna University – Verification  
of Educational Qualification - Reg.

Ref : Your Letter No. ACET/PRL/AU/CAI/17, Dated.06.02.2020.

\*\*\*\*\*

With reference to the Letter I cited, it is informed that **Ms. SUGUNA N** Student of Ph.D, under the Faculty of **Information and Communication Engineering**, has successfully completed the Degree Programme in the year **2012** at Anna University, Chennai - 600 025. The details of educational qualification of the candidate were duly verified with the records of this office and found to be genuine.

|                                                               |                                             |
|---------------------------------------------------------------|---------------------------------------------|
| Name                                                          | : <b>SUGUNA N</b>                           |
| Reg.No                                                        | : 2006469706                                |
| Degree                                                        | : Ph.D                                      |
| Faculty                                                       | : Information and Communication Engineering |
| Year of Passing                                               | : 2012                                      |
| Admitted and Degree Awarded<br>in the Convocation held during | : March, 2013                               |

Yours faithfully,



**TRUE COPY ATTESTED**  
for CONTROLLER OF EXAMINATIONS

**Dr. J. JAYA, M Tech Ph D**  
**PRINCIPAL**  
Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore-642 109



அறிவியற் புலம்  
FACULTY OF SCIENCE

மனோன்மனியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு  
ஜோவிவேக் வி

இயற்பியல் - புவியியல் (இணைவு) ப்ாடப்பிரிவில்

அறிஞர் பட்டம் பெறுவதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற  
தேர்வினோர் சான்றளித்தவாறு அக்டோபர் 2014 ஆம் ஆண்டில்  
இப் பட்டப்பேற்றுக்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது.

The Syndicate of the MANONMANIAM SUNDARANAR UNIVERSITY  
hereby makes known that JOEVIVEK V  
has been admitted to the Degree of Doctor of Philosophy in  
PHYSICS - GEOLOGY (INTERDISCIPLINARY)

he/she having been certified by duly appointed Examiners to be qualified  
to receive the same in the year OCTOBER 2014

TRUE COPY ATTESTED



Dr. J. JAYA, M.Tech Ph.D  
PRINCIPAL

Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore - 642 109

Given under the seal of the University.

திருநெல்வேலி, இந்தியா  
Tirunelveli, India

நாள், Dated 29.10.2014

(Dr. N. Kannan)

Page 18 of 43  
Controller of Examinations

(Dr. T. Tamizh Chelvam)

பதிவாளர்  
Registrar

(Dr. A. K. Kumaraguru)

துணை வேந்தர்  
Vice-Chancellor

|                                                                                   |                                                                                              |  |         |                                                        |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--|---------|--------------------------------------------------------|
|  | <b>ANNA UNIVERSITY</b><br>CHENNAI 600 025<br><b>Office of the Controller of Examinations</b> |  | Off:    | 22357274, 22357275                                     |
|                                                                                   |                                                                                              |  |         | 22357276                                               |
|                                                                                   |                                                                                              |  | Fax:    | 91-44-22301134                                         |
|                                                                                   |                                                                                              |  | E-mail: | <a href="mailto:coe@annauniv.edu">coe@annauniv.edu</a> |

## CONTROLLER OF EXAMINATIONS

Lr.No.5226/C11/2020

Date: 10.02 2020

From

**The Controller of Examinations**  
 Anna University,  
 Chennai- 600 025.

To

**The Principal**  
 AKSHAYA COLLEGE OF ENGINEERING  
 & TECHNOLOGY,  
 Bagavathipalayam Road,  
 Kinathukadavu,  
 Pollachi Taluk,  
 COIMBATORE - 642109.

Sir / Madam,

Sub : Office of the Controller of Examinations - Anna University – Verification  
 of Educational Qualification - Reg. \*

Ref : Your Letter No. ACET/PRL/AU/CAI/17, Dated.06.02.2020.

\*\*\*\*\*

With reference to the Letter I cited, it is informed that **Mr. JAYABALAJI K A** Student of Ph.D, under the Faculty of **Information and Communication Engineering**, has successfully completed the Degree Programme in the year **2017** at Anna University, Chennai - 600 025. The details of educational qualification of the candidate were duly verified with the records of this office and found to be genuine.

|                                                               |                                             |
|---------------------------------------------------------------|---------------------------------------------|
| Name                                                          | : JAYABALAJI K A                            |
| Reg.No                                                        | : 71160631015                               |
| Degree                                                        | : Ph.D                                      |
| Faculty                                                       | : Information and Communication Engineering |
| Year of Passing                                               | : 2017                                      |
| Admitted and Degree Awarded<br>in the Convocation held during | : June, 2018                                |



Yours faithfully,

**TRUE COPY ATTESTED**

for **CONTROLLER OF EXAMINATIONS**

**Dr. J. JAYA, M Tech Ph D**  
**PRINCIPAL**

Akshaya College of Engineering and Technology  
 Kinathukadavu, Coimbatore - 642109



Reg.No.11110231003/RG

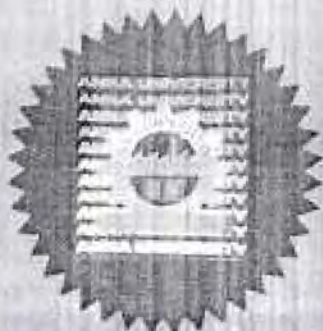


The Syndicate of the Anna University hereby makes known that **KAPILAN S** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Civil Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2019**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

**ROUTE OPTIMIZATION AND SITE SELECTION FOR SOLID WASTE DISPOSAL FOR COIMBATORE CORPORATION USING GIS, GPS AND SOFT COMPUTING TOOLS**

Given under the seal of the University



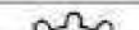
Chennai 600025  
India  
December 2019

Controller of Examinations

Registrar

**TRUE COPY ATTESTED**

**Dr. J. JAYA, M.Tech Ph.D**  
PRINCIPAL  
Akshaya College of Engg. & Technology  
  
Vice-Chancellor

|                                                                                   |                                                                                              |                                                                                     |                                                        |                    |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------|
|  | <b>ANNA UNIVERSITY</b><br>CHENNAI 600 025<br><b>Office of the Controller of Examinations</b> |  | Off:                                                   | 22357274, 22357275 |
|                                                                                   |                                                                                              |                                                                                     |                                                        | 22357276           |
|                                                                                   |                                                                                              | Fax:                                                                                | 91-44-22301134                                         |                    |
|                                                                                   |                                                                                              | E-mail:                                                                             | <a href="mailto:coe@annauniv.edu">coe@annauniv.edu</a> |                    |

## CONTROLLER OF EXAMINATIONS

Lr.No.5226/C11/2020

Date: 10.02.2020

From

To

**The Controller of Examinations**  
 Anna University,  
 Chennai- 600 025.

**The Principal**  
**AKSHAYA COLLEGE OF ENGINEERING**  
**& TECHNOLOGY,**  
 Bagavathipalayam Road,  
 Kinathukadavu,  
 Pollachi Taluk,  
 COIMBATORE - 642109.

Sir / Madam,

Sub : Office of the Controller of Examinations - Anna University – Verification  
 of Educational Qualification - Reg. \*

Ref : Your Letter No. ACET/PRL/AU/CAI/17, Dated.06.02.2020.

\*\*\*\*\*

With reference to the Letter I cited, it is informed that **Mr. KAPILAN S** Student of Ph.D, under the Faculty of **Civil Engineering**, has successfully completed the Degree Programme in the year **2019** at Anna University, Chennai - 600 025. The details of educational qualification of the candidate were duly verified with the records of this office and found to be genuine.

|                                                               |                            |
|---------------------------------------------------------------|----------------------------|
| Name                                                          | : <b>KAPILAN S</b>         |
| Reg.No                                                        | : <b>11110231003</b>       |
| Degree                                                        | : <b>Ph.D</b>              |
| Faculty                                                       | : <b>Civil Engineering</b> |
| Year of Passing                                               | : <b>2019</b>              |
| Admitted and Degree Awarded<br>in the Convocation held during | : <b>December, 2019</b>    |

Yours faithfully,



**TRUE COPY ATTESTED**  
 for CONTROLLER OF EXAMINATIONS

**Dr. J. JAYA, M.Tech Ph.D**  
**PRINCIPAL**  
**Akshaya College of Engineering and Technology**  
**Kinathukadavu, Coimbatore-642 109**



அறிவியற் புலம்  
FACULTY OF SCIENCE

மனோன்மனியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு  
ஜோவிவேக் வி

இயற்பியல் - புவியியல் (இணைவு) ப்ாடப்பிரிவில்

அறிஞர் பட்டம் பெறுவதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற  
தேர்வினோர் சான்றளித்தவாறு அக்டோபர் 2014 ஆம் ஆண்டில்  
இப் பட்டப்பேற்றுக்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது.

The Syndicate of the MANONMANIAM SUNDARANAR UNIVERSITY  
hereby makes known that JOEVIVEK V  
has been admitted to the Degree of Doctor of Philosophy in  
PHYSICS - GEOLOGY (INTERDISCIPLINARY)

he/she having been certified by duly appointed Examiners to be qualified  
to receive the same in the year OCTOBER 2014

TRUE COPY ATTESTED



Dr. J. JAYA, M.Tech Ph.D  
PRINCIPAL

Akshaya College of Engineering and Technology  
Kunathukadavu, Coimbatore - 642 109

Given under the seal of the University.

திருநெல்வேலி, இந்தியா  
Tirunelveli, India

நாள், Dated 29.10.2014

(Dr.N.Kannan)

Page 22 of 43  
Controller of Examinations

(Dr.T.Tamizh Chelvam)  
பதிவாளர்

Registrar

(Dr.A.K.Kumaraguru)  
துணை வேந்தர்

Vice-Chancellor



மனோன்மணியம் சுந்தரனார் பல்கலைக்கழகம்  
MANONMANIAM SUNDARANAR UNIVERSITY  
(RE-ACCREDITED WITH 'A' GRADE BY NAAC)



Dr. A. SURULIANDI  
Controller of Examinations

University Buildings  
Abishekapatti  
Tirunelveli - 627 012

No.MSU/COE/Gen.Cert./G20020208/2020

Feb 26, 2020

To  
Principal  
Akshaya College of Engineering and Technology  
Kinathukadavu,  
Coimbatore 642 109.

Sir/Madam,

Sub: Genuineness – Verification of Degree / Provisional Certificate- Reg.

Ref: Letter dated:06.02.2020

\*\*\*\*\*

With reference to your letter cited, I am to inform you that the Degree / Provisional Certificate/s (Photo copy) of the following candidate/s with Register Number/s and year/s of passing have been verified and found **GENUINE** as per our office records.

| Sl. No | Name of the candidate | Register No. | Course                | Year of Passing |
|--------|-----------------------|--------------|-----------------------|-----------------|
| 1.     | Joevivek V            | 4357         | Ph.D Physics –Geology | October 2014    |



**TRUE COPY ATTESTED**  
26/2/2020  
CONTROLLER OF EXAMINATIONS  
Dr. J. JAYA, M.Tech Ph.D  
PRINCIPAL  
Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore - 642 109



Reg.No.11110631027/RG



The Syndicate of the Anna University hereby makes known that **RAJKUMAR N** 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:*

**A FAULT FREE SOFTWARE ENGINEERING FRAMEWORK TO DETECT ERRORS AND LEAD TO BETTER SOFTWARE DEVELOPMENT PHASE**

Given under the seal of the University

**TRUE COPY ATTESTED**



Chennai 600025  
India  
December 2018  
FAB/11/20

Controller of Examinations

Registrar

Dr. J. JAYA, M.Tech Ph.D  
PRINCIPAL  
Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore - 642 109

Vice-Chancellor



**ANNA UNIVERSITY**  
CHENNAI 600 025  
**Office of the Controller of Examinations**

|   |         |                                                        |
|---|---------|--------------------------------------------------------|
| ☎ | Off:    | 22357274, 22357275                                     |
|   |         | 22357276                                               |
|   | Fax:    | 91-44-22301134                                         |
|   | E-mail: | <a href="mailto:coe@annauniv.edu">coe@annauniv.edu</a> |

**CONTROLLER OF EXAMINATIONS**

Lr.No.5226/C11/2020

Date: 10.02.2020

From

**The Controller of Examinations**  
Anna University,  
Chennai- 600 025.

To

**The Principal**  
AKSHAYA COLLEGE OF ENGINEERING  
& TECHNOLOGY,  
Bagavathipalayam Road,  
Kinathukadavu,  
Pollachi Taluk,  
COIMBATORE - 642109.

Sir / Madam,

Sub : Office of the Controller of Examinations - Anna University – Verification  
of Educational Qualification - Reg. \*

Ref : Your Letter No. ACET/PRL/AU/CAI/17, Dated.06.02.2020.

\*\*\*\*\*

With reference to the Letter I cited, it is informed that **Mr. RAJKUMAR N** Student of Ph.D, under the Faculty of **Information and Communication Engineering**, has successfully completed the Degree Programme in the year **2018** at Anna University, Chennai - 600 025. The details of educational qualification of the candidate were duly verified with the records of this office and found to be genuine.

|                                                               |                                             |
|---------------------------------------------------------------|---------------------------------------------|
| Name                                                          | : <b>RAJKUMAR N</b>                         |
| Reg.No                                                        | : 11110631027                               |
| Degree                                                        | : Ph.D                                      |
| Faculty                                                       | : Information and Communication Engineering |
| Year of Passing                                               | : 2018                                      |
| Admitted and Degree Awarded<br>in the Convocation held during | : December, 2018                            |

Yours faithfully,



*H.S.*  
**TRUE COPY ATTESTED**  
for CONTROLLER OF EXAMINATIONS

*(Signature)*  
**Dr. J. JAYA, M.Tech Ph.D**  
**PRINCIPAL**  
Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore - 642 109



Reg.No. 2006469104/RG

*The Syndicate of the Anna University hereby makes known that*  
**JAYA J** *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* **2012.**

*Title of the Thesis:*

**CERTAIN INVESTIGATIONS ON SEGMENTATION OF MEDICAL IMAGES USING METAHEURISTIC ALGORITHMS**

**TRUE COPY ATTESTED**

*Given under the Seal of the University*

**Dr. J. JAYA, M Tech Ph D**  
**PRINCIPAL**

**Akshaya College of Engineering and Technology**  
**Kinathukadavu, Coimbatore - 642 109**



|                                                                                   |                                                                                              |  |   |        |                    |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--|---|--------|--------------------|
|  | <b>ANNA UNIVERSITY</b><br>CHENNAI 600 025<br><b>Office of the Controller of Examinations</b> |  | ☎ | Off    | 22357274, 22357275 |
|                                                                                   |                                                                                              |  |   |        | 22357275           |
|                                                                                   |                                                                                              |  |   | Fax    | 91-44-22301134     |
|                                                                                   |                                                                                              |  |   | E-mail | coe@annauniv.edu   |

## CONTROLLER OF EXAMINATIONS

Lr.No.5226/C11/2020

Date: 10.02.2020

From

To

**The Controller of Examinations**  
 Anna University,  
 Chennai- 600 025.

**The Principal**  
**AKSHAYA COLLEGE OF ENGINEERING**  
**& TECHNOLOGY,**  
 Bagavathipalayam Road,  
 Kinathukadavu,  
 Pollachi Taluk,  
 COIMBATORE - 642109.

Sir / Madam,

Sub : Office of the Controller of Examinations - Anna University – Verification  
 of Educational Qualification - Reg. \*

Ref : Your Letter No. ACET/PRL/AU/CAI/17, Dated.06.02.2020.

\*\*\*\*\*

With reference to the Letter I cited, it is informed that **Ms. JAYA J** Student of Ph.D, under the Faculty of **Information and Communication Engineering**, has successfully completed the Degree Programme in the year **2012** at Anna University, Chennai - 600 025. The details of educational qualification of the candidate were duly verified with the records of this office and found to be genuine.

|                                                               |                                             |
|---------------------------------------------------------------|---------------------------------------------|
| Name                                                          | : JAYA J                                    |
| Reg.No                                                        | : 2006469104                                |
| Degree                                                        | : Ph.D                                      |
| Faculty                                                       | : Information and Communication Engineering |
| Year of Passing                                               | : 2012                                      |
| Admitted and Degree Awarded<br>in the Convocation held during | : March, 2013                               |

Yours faithfully,



*NS*  
**TRUE COPY ATTESTED**  
 for CONTROLLER OF EXAMINATIONS

*[Signature]*  
**Dr. J. JAYA, M.Tech Ph.D**  
**PRINCIPAL**  
**Akshaya College of Engineering and Technology**  
**Kinathukadavu, Coimbatore-642109**



Reg.No. 10910222014/RCI



*The Syndicate of the Anna University hereby makes known that*  
**SRIDEVI K** *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 2017. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".*

*Title of the Thesis:*

**INVESTIGATION ON FLEXURAL BEHAVIOR OF FERROCEMENT CHANNEL BEAMS WITH RC INFILL USING VARIOUS SHEAR CONNECTORS**

*Given under the Seal of the University*

**TRUE COPY ATTESTED**



**Dr. J. JAYA, M.Tech Ph.D**  
**PRINCIPAL**

**Akshaya College of Engineering and Technology**  
**Kinathukadavu, Coimbatore-642 109**

*Handwritten signature and date: 10/08/20*

*Handwritten signature*

|                                                                                   |                                                                                              |                                                                                     |         |                                                        |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|--------------------------------------------------------|
|  | <b>ANNA UNIVERSITY</b><br>CHENNAI 600 025<br><b>Office of the Controller of Examinations</b> |  | Off:    | 22357274, 22357275                                     |
|                                                                                   |                                                                                              |                                                                                     |         | 22357276                                               |
|                                                                                   |                                                                                              |                                                                                     | Fax:    | 91-44-22301134                                         |
|                                                                                   |                                                                                              |                                                                                     | E-mail: | <a href="mailto:coe@annauniv.edu">coe@annauniv.edu</a> |

## CONTROLLER OF EXAMINATIONS

Lr.No.5226/C11/2020

Date: 10.02.2020

From

To

**The Controller of Examinations**  
 Anna University,  
 Chennai- 600 025.

**The Principal**  
**AKSHAYA COLLEGE OF ENGINEERING**  
**& TECHNOLOGY,**  
 Bagavathipalayam Road,  
 Kinathukadavu,,  
 Pollachi Taluk, - COIMBATORE 642 109.

Sir / Madam,

Sub : Office of the Controller of Examinations - Anna University – Verification of Educational Qualification - Reg.

Ref : Your Letter No. ACET/PRL/AU/CAI/17, Dated 06.02.2020.

\*\*\*\*\*

With reference to the Letter I cited, it is informed that **Ms. SRIDEVI K** Student of Ph.D, under the Faculty of **Civil Engineering**, has successfully completed the Degree Programme in the year **2017** at Anna University, Chennai - 600 025. The details of educational qualification of the candidate were duly verified with the records of this office and found to be genuine.

|                                                            |                     |
|------------------------------------------------------------|---------------------|
| Name                                                       | : <b>SRIDEVI K</b>  |
| Reg.No                                                     | : 10910222014       |
| Degree                                                     | : Ph.D              |
| Faculty                                                    | : Civil Engineering |
| Year of Passing                                            | : 2017              |
| Admitted and Degree Awarded in the Convocation held during | : May, 2017         |

Yours faithfully,



**TRUE COPY ATTESTED**  
 for **CONTROLLER OF EXAMINATIONS**

**Dr. J. JAYA, M.Tech Ph.D**  
**PRINCIPAL**  
 Akshaya College of Engineering and Technology  
 Kinathukadavu, Coimbatore - 642 109



Reg.No.71110521005/RG



The Syndicate of the Anna University hereby makes known that **BARKUNAN S R** 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 **2019**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

*Title of the Thesis:*

**CERTAIN DESIGN APPROACHES FOR EFFICIENT IRRIGATION MANAGEMENT**

Given under the seal of the University

**TRUE COPY ATTESTED**



Chennai 600025  
India  
December 2019

Controller of Examinations

Page 17 of 90  
Page 30 of 43

Dr. J. JAYA, M.Tech Ph.D  
PRINCIPAL  
Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore-642 109

Registrar

Vice-Chancellor

|                                                                                   |                                                                                              |  |         |                                                        |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--|---------|--------------------------------------------------------|
|  | <b>ANNA UNIVERSITY</b><br>CHENNAI 600 025<br><b>Office of the Controller of Examinations</b> |  | Off:    | 22357274, 22357275                                     |
|                                                                                   |                                                                                              |  |         | 22357276                                               |
|                                                                                   |                                                                                              |  | Fax:    | 91-44-22301134                                         |
|                                                                                   |                                                                                              |  | E-mail: | <a href="mailto:coe@annauniv.edu">coe@annauniv.edu</a> |

## CONTROLLER OF EXAMINATIONS

Lr.No.5226/C11/2020

Date: 10.02.2020

From

To

**The Controller of Examinations**  
 Anna University,  
 Chennai- 600 025.

**The Principal**  
 AKSHAYA COLLEGE OF ENGINEERING  
 & TECHNOLOGY,  
 Bagavathipalayam Road,  
 Kinathukadavu,  
 Pollachi Taluk,  
 COIMBATORE - 642109.

Sir / Madam,

Sub : Office of the Controller of Examinations - Anna University – Verification  
 of Educational Qualification - Reg. \*

Ref : Your Letter No. ACET/PRL/AU/CAI/17, Dated.06.02.2020.

\*\*\*\*\*

With reference to the Letter I cited, it is informed that **Mr. BARKUNAN S R** Student of Ph.D, under the Faculty of **Information and Communication Engineering**, has successfully completed the Degree Programme in the year **2019** at Anna University, Chennai - 600 025. The details of educational qualification of the candidate were duly verified with the records of this office and found to be genuine.

|                                                               |                                             |
|---------------------------------------------------------------|---------------------------------------------|
| Name                                                          | : <b>BARKUNAN S R</b>                       |
| Reg.No                                                        | : 71110521005                               |
| Degree                                                        | : Ph.D                                      |
| Faculty                                                       | : Information and Communication Engineering |
| Year of Passing                                               | : 2019                                      |
| Admitted and Degree Awarded<br>in the Convocation held during | : December, 2019                            |

Yours faithfully,



*N. Senthil Kumar*  
 10/02/2020  
**TRUE COPY ATTESTED**  
 for CONTROLLER OF EXAMINATIONS

*[Signature]*  
**Dr. J. JAYA, M Tech Ph D**  
**PRINCIPAL**  
 Akshaya College of Engineering and Technology  
 Kinathukadavu, Coimbatore-642 109



# Indian Institute of Technology Madras

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

**BOOPATHI SABAREESH V**

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

**AEROACOUSTIC CHARACTERISTICS OF TWIN  
JETS FROM ORIFICES AND PIPES**



ME07D005

*Given this day the Nineteenth of July, 2013  
under the seal of the Institute.*



*V.G.B.*  
Registrar

*B.N.*  
Director

*Chairman, Board of Governors*

**TRUE COPY ATTESTED**

*4/08/20*  
**Dr. J. JAYA, M.Tech Ph.D**  
**PRINCIPAL**  
Akshaya College of Engineering and Technology  
Kopathukadavu, Coimbatore - 642 109

**GST Number:33AADCT3842P1Z0**

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**Mobile** : 9442561452  
**Email ID** : shivaboopa12@gmail.com  
**Country** : India  
**State/UT** : Tamil Nadu

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**Dr. J. JAYA, M Tech Ph D**  
**PRINCIPAL**

Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore-642 109

**Thank You For Using Myeasydocs. Have a Great Day**



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

கலையியல் புலம்  
FACULTY OF ARTS

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு  
அனிதா க. 2015 ஆம் ஆண்டு அக்டோபர் 19 ஆம் நாளில் ஆங்கிலம் என்னும் பிரிவில்  
ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை  
ஏற்று, அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக் கழக இலச்சினைமூலம்,  
பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that  
has been admitted to the Degree of DOCTOR OF PHILOSOPHY in ENGLISH,  
having been certified by duly appointed Examiners to be qualified to receive the same on 19th OCTOBER 2015.

TRUE COPY ATTESTED

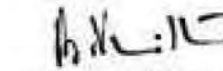
Dr. J. JAYA, M Tech Ph D  
PRINCIPAL  
Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore-642 109

Given under the Seal of the University.

  
தேர்வாளர்

Controller of Examinations



  
பதிவாளர்(பொ)  
Registrar(i/c)

  
துணைவேந்தர்  
Vice-Chancellor



கோயம்புத்தூர்  
Coimbatore  
642 023  
B/U

Dated: 7th February 2017



SL. NO.: 000064



# Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)

Recognised by UGC Under Section 12 B

Coimbatore - 641 043, Tamil Nadu, India

Roll No. 14PHCHF001

## FACULTY OF SCIENCE

*The Board of Management of the Avinashilingam Institute for Home Science and Higher Education for Women hereby makes known*

*that Vasantha Jothi R has been admitted to the Degree of Doctor of Philosophy in Chemistry having*

*been certified by duly appointed Examiners to be qualified to receive the same in July, 2018.*



**TRUE COPY ATTESTED**

*Dr. J. JAYA, M Tech Ph D*  
**PRINCIPAL**

*Given under the Seal of the Institute*

**Akshaya College of Engineering and Technology**  
Kinathukadavu, Coimbatore-642 109

Coimbatore

Date : 15-04-2019

  
Chancellor

*S. Kousalya*

Registrar

*Premarathiyappan*

Vice Chancellor



Reg.No.10910122004/RG



The Syndicate of the Anna University hereby makes known that **KALAVATHI A** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the **Faculty of Science and Humanities**, 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:*

**STUDIES ON GENERALIZATIONS OF SOFT CLOSED SETS AND THEIR OPERATION APPROACHES IN SOFT TOPOLOGICAL SPACES**

**TRUE COPY ATTESTED**

*Given under the seal of the University*



**Dr. J. JAYA, M.Tech Ph.D**  
**PRINCIPAL**

**Vishaya College of Engineering and Technology**  
**Kinathukadavu, Coimbatore-642 109**

Clominal 008025  
India  
June 2018

*[Signature]*  
**Controller of Examinations**

*[Signature]*  
**Registrar**

*[Signature]*  
**Vice-Chancellor**



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் பரம்பரை  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால் (முடிவாக) அமைக்கப்பட்ட தேர்தராளர் குழு  
செல்வநாயகி து. 2018 ஆம் ஆண்டு, ஆகஸ்ட் 17-ஆம் நாட்கில் கணினிதொடர்பில் உள்ளூர் பரிசீலித்  
ஆய்விப்பில் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை  
மேலும் அளவிற்கு அந்தப் பட்டத்தைப் பல்கலைக் கழக இயக்குநரகம்,  
பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that SELVANAYAKIN  
has been admitted to the Degree of DOCTOR OF PHILOSOPHY IN MATHEMATICS,  
having been certified by duly appointed Examiners to be qualified to receive the same on 17th AUGUST 2018.

TRUE COPY ATTESTED

(Signature)  
4/08/20

Dr. J. JAYA, M Tech Ph D  
PRINCIPAL

Akshaya College of Engineering and Technology  
Kuthukadavu, Coimbatore-642 109



கோயம்புத்தூர்  
Coimbatore  
642 109

Given under the Seal of the University.

(Signature)  
தேர்தராளர் (பொ.)

Dated 16th February 2019 Controller of Examinations /c

(Signature)  
பதிவாளர் (பொ.)  
Registrar (l/c)

(Signature)  
தேர்தராளர் (பொ.)  
for Vice-Chancellor



# The University of Manchester

By virtue of the powers granted to it by the Charter and Statutes and the authority of the Senate the University has this day awarded the Degree of

## DOCTOR OF PHILOSOPHY

In the Faculty of Engineering and Physical Sciences

Civil Engineering

to

Valliyappan Thinnappan

who has satisfied the Examiners in the Final Examination for the Degree.

**TRUE COPY ATTESTED**

*(Signature)*  
4/08/20

**Dr. J. JAYA, M Tech Ph D  
PRINCIPAL**

**Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore-642 109**

26 September 2008



*(Signature)*

Registrar and Secretary



பொறியியற் புலம்  
**FACULTY OF ENGINEERING**

மனோன்மனியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு  
ஸ்ரீனிவாசலு மண்டா

கணினி இயல் மற்றும் பொறியியல் பாடப்பிரிவில்

அந்நூர் பட்டம் பெறுவதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற  
தேர்வினோர் சான்றளித்தவாறு ஜூலை 2015 ஆம் ஆண்டில்  
இப் பட்டப்பேற்றுக்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது.

The Syndicate of the **MANONMANIAM SUNDARANAR UNIVERSITY**  
hereby makes known that **SREENIVASULU MANDA**  
has been admitted to the Degree of Doctor of Philosophy in  
**COMPUTER SCIENCE AND ENGINEERING**

he/she having been certified by duly appointed Examiners to receive the same in the year **JULY 2015**

**TRUE COPY ATTESTED**

*(Signature)*  
20/08/20

**Dr. J. JAYA M.Tech Ph.D**  
**PRINCIPAL**  
Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore-642 109



Given under the seal of the University.

திருநெல்வேலி, இந்தியா

Tirunelveli, India

நாள். Dated 11 - 09 - 2015

*(Signature)*  
**(Dr.S.Probahar)**

தேர்வாளன்

Page 39 of 43

*(Signature)*  
**(Dr.P.Govindaraju)**

பதிவாளர்

Registrar

*(Signature)*

**(Dr.A.K.Kumaraguru)**

தகவன வேந்தர்

Vice-Chancellor

# बुन्देलखण्ड विश्वविद्यालय BUNDELKHAND UNIVERSITY



## विद्या – वाचस्पति

प्रमाणित किया जाता है कि वेंकटरमन के  
ने इस विश्वविद्यालय से कम्प्यूटर विज्ञान और अभियांत्रिकी विषय  
पर विद्या-वाचस्पति की उपाधि वर्ष 2015 मे प्रदान की गयी।  
उक्त उपाधि के लिये आपने निम्न विषय पर मौलिक प्रबन्ध प्रस्तुत किया।  
“ डिजाइन और छवि संपीड़न विश्लेषण और छवियों के वर्गीकरण में भग्न  
तकनीकों को लागू करने और दूर से महसूस किया डेटा ”

## Doctor of Philosophy

This is to certify that VANKATARAMANA K  
has been awarded the Degree of **Doctor of Philosophy**  
in COMPUTER SCIENCE & ENGINEERING in this University in 2015

The subject on which he/she presented a Thesis for the Degree was:

“DESIGN AND IMPLEMENTATION ON FRAGMENTED IMAGES IN IMAGE  
COMPRESSION ANALYSIS AND CLASSIFICATION OF IMAGES AND  
REMOTE SENSED DATA”

TRUE COPY ATTESTED

बुन्देलखण्ड विश्वविद्यालय  
Bundelkhand University  
झरनी / Jhansi (U.P.) 284128  
दिनांक / Date: 11-08-2016

कलसचिव  
DR. J. JAYA, M.Tech, Ph.D.  
Registrar PRINCIPAL-Chancellor  
Akshaya College of Engineering and Technology  
Kinathukadavu Coimbatore-642109

Writer

Checker

Checker



Reg.No.11110532019/RG



The Syndicate of the Anna University hereby makes known that **KAMATCHI S** 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:

DEVELOPMENT OF EFFICIENT AGING-AWARE RELIABLE MULTIPLIER THE APPLICATION OF ERROR DETECTION AND CORRECTION IN FIR FILTER

Given under the seal of the University

TRUE COPY ATTESTED

14/11/2019

Dr. J. JAYA, M.Tech Ph.D.  
PRINCIPAL

Akshaya College of Engineering and Technology  
Kintanur, Coimbatore-642 109



Chennai 600025

India

December 2018

Controller of Examinations

Registrar

Vice-Chancellor



Reg.No.1324269126/RG



The Syndicate of the Anna University hereby makes known that **JANAKI S** 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 **2018**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

**CERTAIN INVESTIGATIONS ON POLLUTION CONTROL DEVICES AND DESIGN OF HYBRID POLLUTION CONTROL SYSTEM**

**TRUE COPY ATTESTED**

Given under the seal of the University



**Dr. J. JAYA, M.Tech Ph.D**  
**PRINCIPAL**

**Akshaya College of Engineering and Technology**  
**Kinathukadavu, Coimbatore - 642 109**

Chennai 600025  
India  
December 2018

**Controller of Examinations**

**Registrar**

**Vice-Chancellor**



பொறியியற்புலம்  
FACULTY OF ENGINEERING & TECHNOLOGY

அண்ணாமலைப் பல்கலைக்கழக ஆளவை  
கப்ரமணியன் ரா

ஆய்வினை அறிஞர் மட்டம் பெறாதவருக்கு தகுதியானவராக சான்ற முனைப்பை  
அடைக்கப்பெற்ற தொழில்நுட்ப சான்றிதழை செப்டம்பர், 1998 இல்  
குடிமுறை பணிப் பொறியியல் பீரங்கி தொகுப்பு அமைப்பு இந்த மட்டப்பெற்றதை  
உரிமம் ஆகிவந்த சான்று இவ்வாறு அறிவித்துக் கொள்கின்றது.

The Senate of the ANNAMALAI UNIVERSITY hereby notifies  
that SUBRAMANIAN R has been admitted  
to the Degree of DOCTOR OF PHILOSOPHY in CIVIL ENGINEERING  
he/she having been certified by duly appointed Examiners to be  
qualified to receive the same in SEPTEMBER, 1998.

பல்கலைக்கழக முத்திரை பெறுகின்றது  
Given under the seal of the University

TRUE COPY ATTESTED

Dr. J. JAYA, M.Tech Ph.D  
PRINCIPAL

Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore-642 109

M.G. Muthukumaraswamy

Dr. M.G. Muthukumaraswamy

அண்ணாமலைப் பல்கலைக்கழகம்  
Annamalai University

தமிழ்  
Date: 08/12/1998

தமிழ்  
Date: 08/12/1998