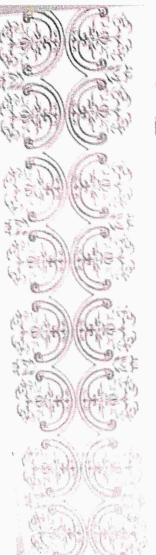
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UNIVERSITI MALAYSIA PERLIS



This is to cortify that

MURALI VISWANATHAN

having completed all requirements set by the Senate is awarded

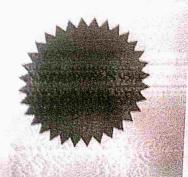
Doctor of Philosophy

with all rights and privileges there to pertaining.

The Senate has authorised the Academic Seal to be affixed on 19th September 2015.

Vice Chancellor

Registrar





Reg.No.20101022004/RG

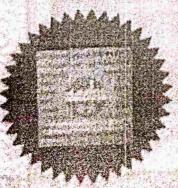


The Syndicate of the Anna University hereby makes known that MEENAKSHI SUDARVIZHI S has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Civil Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2019. The degree has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

Title of the Thesis:

EXPERIMENTAL STUDIES ON STRENGTH AND BEHAVIOUR OF CONCRETE USING QUARRY DUST AND COPPER SLAG POWDER

Given under the seal of the University



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December 2010

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M. K. D. Bark



Reg. No.:2003479703/RG



The Syndicate of the Anna University hereby makes known that ASKARUNISA A 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 2011.

Title of the thesis:

AGENT BASED ANALYSIS OF TEST CASE PRIORITIZATION TECHNIQUES FOR SOFTWARE OPERATIONS

Given under the Seal of the University

Chennai 600 025

January 2012

Controller of Examinations

Registrar

Vice-Chancellor



Reg.No. 1024419786/RG

The Syndicate of the Anna University hereby makes known that PREMLATHA K 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 2015. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

DYNAMIC COURSE COMPOSITION FOR ADAPTIVE E-LEARNING

Given under the Seal of the University



Chennai 600 025 India January 2016

Controller of Examinations



Vice-Chancellor



Reg.No. 1614469245/RG

The Syndicate of the Anna University hereby makes known that SAKTHIVEL B 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 2021. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

LOW POWER ACCURACY CONFIGURABLE CIRCUIT DESIGN



Given under the Seal of the University

TRUE COPY

PANDIAN SALAGUATHI YADAV

PANDIAN SALAGUATHI YADAV

ENGINEERING COLLEGE

ENGINEERING PANDIAN

Arasanoor, Thirumansolai P.O-630 561

Arasanoor, Thirumansolai P.O-630 561

Siyagangai Dist. Tamilnadu

Chennai 600 025

India March 2021 Controller of Examinations



M. J. Over Vice-Chancellor



Reg.No. 201114003DRG

The Syndicate of the Anna University hereby makes known that RAJA 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 2015. The degree has been awarded in compliance with the University Grants Commission, Regulations 2009.

FOR

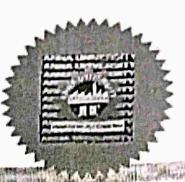
Title of the Thosis:
NOVEL APPROACHES

CONTENT

BASED IMAGE

NOVEL APPROACHES FOR CLASSIFICATION AND RETRIEVAL

Given under the Seal of the University



TRUE COPY

PRINCIPAL
PANDIAN SARASWATHI YADAV
ENGINEERING COLLEGE
Arasanoor, Thirumansolal P.O-630 561
Sivagangal Dist. Tamiinadu

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Registrar

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ANNA UNIVERSITY CHENNAI - 600 025

PROVISIONAL CERTIFICATE

Folio No.: TAR013045

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

REGINA S

Registration Number

1628389128

Degree

Ph.D.

Department/Centre/Subject

ELECTRONICS AND COMMUNICATION

ENGINEERING

Faculty

ELECTRICAL ENGINEERING

Date, Month & Year of Viva-Voce

Examination held

.25.11.2022

Title of the Thesis

DESIGN AND PERFORMANCE INVESTIGATION

OF METAMATERIAL-BASED ANTENNAS WITH

FR-4 AND LEATHER SUBSTRATES

TRUE COPY LATTESTED!

PRINCIPAL
DIAN SARASWATHIYADAN
DIGNEERING COLLEGE

Arasanogr, Thirumansolai P.O-630 551
Chenna Biyanangal Dist, Tamilnadu

600 025 5

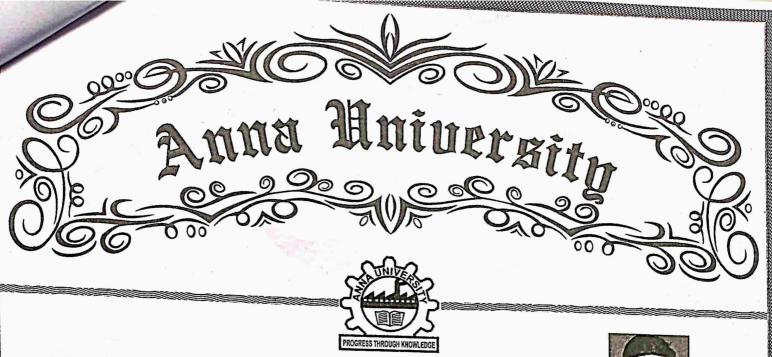
no University

Controller of Examinations

Chennal - 600 025

Date:

02-DEC-2022



Reg. No.18144691280/RG



The Syndicate of the Anna University hereby makes known that MANIKANDAN 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 2022. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2016". Title of the Thesis:

ANALYTICAL MODELING & SIMULATION OF JUNCTION LESS TRIPLE MATERIAL CYLINDRICAL SURROUNDING GATE SILICON NANOWIRE **TRANSISTORS**



Given under the seal of the University

ENGINEERING COLL Arasanoor, Thirumansolai P.O-630

Sivagangai Dist. Tamilnadu

Vice-Chancellor

Chennai 600025

September 2023

Controller of Examinations

Registrar



Reg.No. 17244791351/RG



The Syndicate of the Anna University hereby makes known that EZHILMATHI 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 2020. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2016".

Title of the Thesis:

IMAGE REGISTRATION AND FUSION BASED BRAIN TUMOR DETECTION METHODS USING MACHINE LEARNING ALGORITHMS

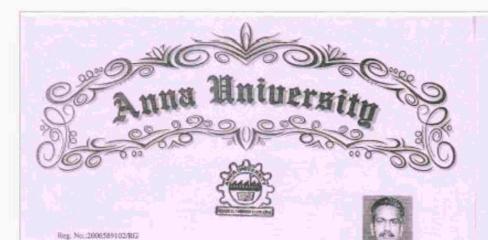


Given under the Seal of the University

Chennai 600 025 India March 2021 of. (Controller of Examinations

Registrar

M.K. Bow Vice-Chancellor



The Syndicate of the Anna University hereby makes known that PALANICHAMY 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:

HEAT TRANSFER ANALYSIS IN A CIRCULAR TUBE WITH INTERNAL FIN BY NUMERICAL METHOD

Given under the Seal of the University

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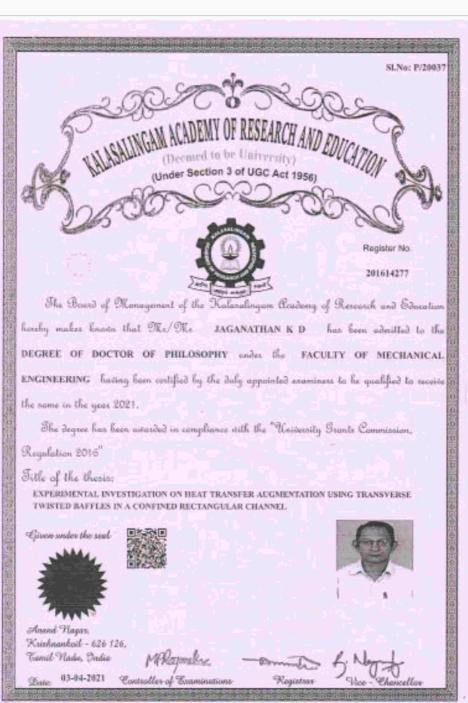
Chennar 600 07 India

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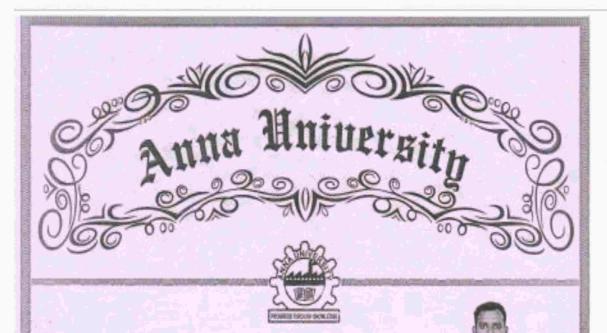
Registrar TRUE COPY Oliva Chamastin

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TRUE COPY





Reg.No. 1313279268/RG

The Syndicate of the Anna University hereby makes known that RAJAMUNEESWARAN 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 2016. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

MECHANICAL AND MACHINABILITY BEHAVIOURS OF NATURAL CALCIUM PARTICLES IMPREGNATED COIR -POLYESTER COMPOSITES

Given under the Seal of the University





PRINCIPAL
PANDIAN SAFALWATH YACAV
ENGINEERING COLLEGE
Araxensor, Thirumansolar P.D. 630 651
Bivagangel Dist, Taminada



ANNA UNIVERSITY

CENTRE FOR RESEARCH





Dr. C. UMARANI, M.E., Ph.D., PDF(NZ) Director

Ref: No. 2012120019/Ph.D./AR4

Date: 11.04.2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr.C.Murugan, has registered for Ph.D. Programme in CAD/CAM during January-2012. The scholar has submitted the thesis entitled, "EXPERIMENTAL ANALYSIS AND OPTIMIZATION OF ELECTRICAL DISCHARGE MACHINING PARAMETERS WITH VARIOUS SHAPES OF TOOL ELECTRODES AND MATERIALS" and has successfully completed the oral examination held on 04,04,2022 for the award of Ph.D. Degree under the Faculty of Mechanical Engineering.

The Ph.D. Degree awarded by this University is in compliance of UGC Regulations 2009.

DIRECTOR (RESEARCH)

TRUE COPY (ATTESTED)

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The Senate of the MADURAI KAMARAJ UNIVERSITY in the year 2020 hereby maker

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conferred DEGREE OF DOCTOR OF PHILOSOPHY he/she having countried by dials appointed Examiners to be qualified to receive the same as on 29-98-2020.

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Register No : PHAKE

Subject Area: CHEMISTRY

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This Degree Certificate is awarded in Compliance of the UGC Regulations 2000

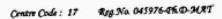
and Date 13 July 2022

Erdosmouset, ugeery - 625 021 Palkalai Nagar, Madurai - 625 021 Hummy

Controller of Examinations in-charge Maritiere

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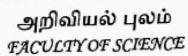
Appendix To A. o. f. Vice-Ethancedon





பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

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

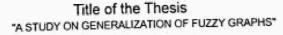


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the	same	in	SE	PTE	мві	ER 2020.					

H.H. THE RAJAH'S COLLEGE(Autonomous), PUDUKKOTTAL Place of Study:

> "Ph.D. Degree has been awarded in accordance with the Minimum Standards and Procedure of the Regulations of the University Grants Commission 2016".





Given under the seal of the University.

திருக்கிராப்பள்ளி Tiruchirappalli

bisin : 9th December 2021 Date :

ISSUED ON :

பறிவாளர் Registrar





09-12-2021



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Rof No. St. Chemistry Sub-Cars 7022

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Com: 72.06-2023

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Madurai Kamaraj University

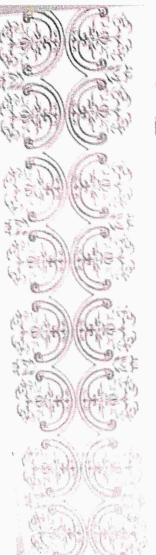
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UNIVERSITI MALAYSIA PERLIS



This is to cortify that

MURALI VISWANATHAN

having completed all requirements set by the Senate is awarded

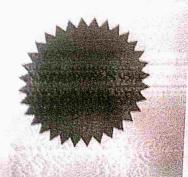
Doctor of Philosophy

with all rights and privileges there to pertaining.

The Senate has authorised the Academic Seal to be affixed on 19th September 2015.

Vice Chancellor

Registrar





Reg. No.:2003479703/RG



The Syndicate of the Anna University hereby makes known that ASKARUNISA A 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 2011.

Title of the thesis:

AGENT BASED ANALYSIS OF TEST CASE PRIORITIZATION TECHNIQUES FOR SOFTWARE OPERATIONS

Given under the Seal of the University

Chennai 600 025

January 2012

Controller of Examinations

Registrar

Vice-Chancellor



Reg.No. 1024419786/RG

The Syndicate of the Anna University hereby makes known that PREMLATHA K 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 2015. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

DYNAMIC COURSE COMPOSITION FOR ADAPTIVE E-LEARNING

Given under the Seal of the University



Chennai 600 025 India January 2016

Controller of Examinations



Viag-Chancellor



Reg.No. 1614469245/RG

The Syndicate of the Anna University hereby makes known that SAKTHIVEL B 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 2021. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

LOW POWER ACCURACY CONFIGURABLE CIRCUIT DESIGN



Given under the Seal of the University

TRUE COPY

PANDIAN SALAGUATHI YADAV

PANDIAN SALAGUATHI YADAV

ENGINEERING COLLEGE

ENGINEERING PANDIAN

Arasanoor, Thirumansolai P.O-630 561

Arasanoor, Thirumansolai P.O-630 561

Siyagangai Dist. Tamilnadu

Chennai 600 025

India March 2021 Controller of Examinations



M. J. Over Vice-Chancellor



Reg.No. 201114003DRG

The Syndicate of the Anna University hereby makes known that RAJA 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 2015. The degree has been awarded in compliance with the University Grants Commission, Regulations 2009.

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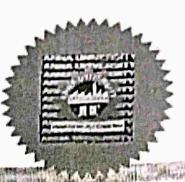
Title of the Thosis:
NOVEL APPROACHES

CONTENT

BASED IMAGE

NOVEL APPROACHES FOR CLASSIFICATION AND RETRIEVAL

Given under the Seal of the University



TRUE COPY

PRINCIPAL
PANDIAN SARASWATHI YADAV
ENGINEERING COLLEGE
Arasanoor, Thirumansolal P.O-630 561
Sivagangal Dist. Tamiinadu

Chermai 600 025

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Registrar

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ANNA UNIVERSITY CHENNAI - 600 025

PROVISIONAL CERTIFICATE

Folio No.: TAR013045

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

REGINA S

Registration Number

1628389128

Degree

Ph.D.

Department/Centre/Subject

ELECTRONICS AND COMMUNICATION

ENGINEERING

Faculty

ELECTRICAL ENGINEERING

Date, Month & Year of Viva-Voce

Examination held

.25.11.2022

Title of the Thesis

DESIGN AND PERFORMANCE INVESTIGATION

OF METAMATERIAL-BASED ANTENNAS WITH

FR-4 AND LEATHER SUBSTRATES

TRUE COPY LATTESTED!

PRINCIPAL
DIAN SARASWATHIYADAN
DIGNEERING COLLEGE

Arasanogr, Thirumansolai P.O-630 551
Chenna Biyanangal Dist, Tamilnadu

600 025 5

no University

Controller of Examinations

Chennal - 600 025

Date:

02-DEC-2022



Reg.No. 17244791351/RG



The Syndicate of the Anna University hereby makes known that EZHILMATHI 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 2020. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2016".

Title of the Thesis:

IMAGE REGISTRATION AND FUSION BASED BRAIN TUMOR DETECTION METHODS USING MACHINE LEARNING ALGORITHMS

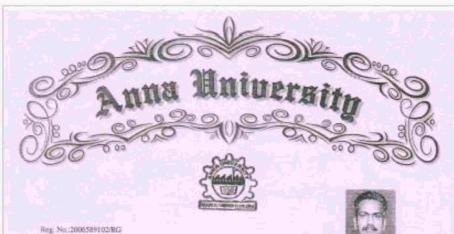


Given under the Seal of the University

Chennai 600 025 India March 2021 of. (Controller of Examinations

Registrar

M.K. Bow Vice-Chancellor



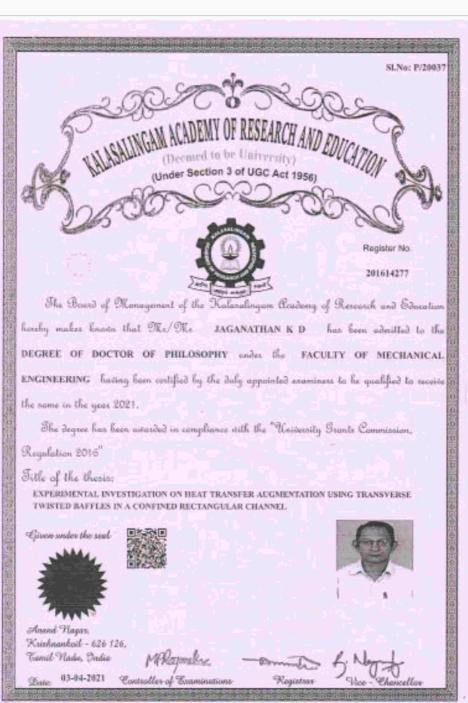
The Syndicate of the Anna University hereby makes known that PALANICHAMY R has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Mechanical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2011.

Title of the thesis:

HEAT TRANSFER ANALYSIS IN A CIRCULAR TUBE WITH INTERNAL FIN BY NUMERICAL METHOD

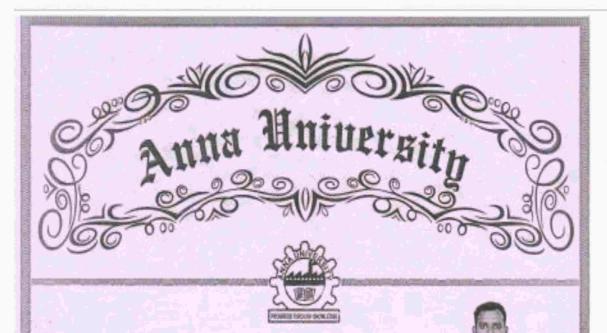
Given under the Seal of the University

January 2012 Controller of Examinations



TRUE COPY





Reg.No. 1313279268/RG

The Syndicate of the Anna University hereby makes known that RAJAMUNEESWARAN 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 2016. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

MECHANICAL AND MACHINABILITY BEHAVIOURS OF NATURAL CALCIUM PARTICLES IMPREGNATED COIR -POLYESTER COMPOSITES

Given under the Seal of the University





PRINCIPAL
PANDIAN SAFALWATH YACAV
ENGINEERING COLLEGE
Araxensor, Thirumansolar P.D. 630 651
Bivagangel Dist, Taminada



ANNA UNIVERSITY

CENTRE FOR RESEARCH





Dr. C. UMARANI, M.E., Ph.D., PDF(NZ) Director

Ref: No. 2012120019/Ph.D./AR4

Date: 11.04.2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr.C.Murugan, has registered for Ph.D. Programme in CAD/CAM during January-2012. The scholar has submitted the thesis entitled, "EXPERIMENTAL ANALYSIS AND OPTIMIZATION OF ELECTRICAL DISCHARGE MACHINING PARAMETERS WITH VARIOUS SHAPES OF TOOL ELECTRODES AND MATERIALS" and has successfully completed the oral examination held on 04,04,2022 for the award of Ph.D. Degree under the Faculty of Mechanical Engineering.

The Ph.D. Degree awarded by this University is in compliance of UGC Regulations 2009.

DIRECTOR (RESEARCH)

TRUE COPY (ATTESTED)

A. Ki

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The Senate of the MADURAI KAMARAJ UNIVERSITY in the year 2020 hereby maker

known that

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Register No : PHAKE

Subject Area: CHEMISTRY

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This Degree Certificate is awarded in Compliance of the UGC Regulations 2000

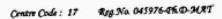
and Date 13 July 2022

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Controller of Examinations in-charge Maritiere

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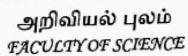
Appendix To A. o. f. Vice-Ethancedon





பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

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

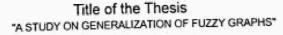


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H.H. THE RAJAH'S COLLEGE(Autonomous), PUDUKKOTTAL Place of Study:

> "Ph.D. Degree has been awarded in accordance with the Minimum Standards and Procedure of the Regulations of the University Grants Commission 2016".





Given under the seal of the University.

திருக்கிராப்பள்ளி Tiruchirappalli

bisin : 9th December 2021 Date :

ISSUED ON :

பறிவாளர் Registrar





09-12-2021





Madurai Kamaraj University

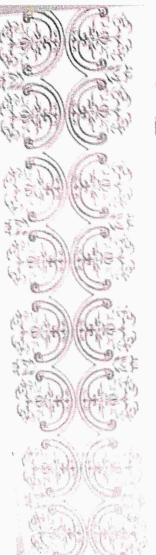
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COPY OF CERTIFICATES FULL TIME TEACHERS WITH Ph.D. ACADEMIC YEAR 2020-21





UNIVERSITI MALAYSIA PERLIS



This is to cortify that

MURALI VISWANATHAN

having completed all requirements set by the Senate is awarded

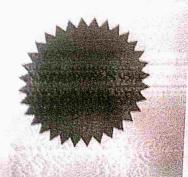
Doctor of Philosophy

with all rights and privileges there to pertaining.

The Senate has authorised the Academic Seal to be affixed on 19th September 2015.

Vice Chancellor

Registrar





Reg.No. 1024419786/RG

The Syndicate of the Anna University hereby makes known that PREMLATHA K 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 2015. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

DYNAMIC COURSE COMPOSITION FOR ADAPTIVE E-LEARNING

Given under the Seal of the University



Chennai 600 025 India January 2016

Controller of Examinations



Vice-Chancellor



Reg.No. 201114003DRG

The Syndicate of the Anna University hereby makes known that RAJA 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 2015. The degree has been awarded in compliance with the University Grants Commission, Regulations 2009.

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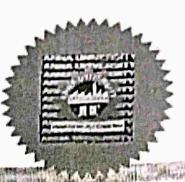
Title of the Thosis:
NOVEL APPROACHES

CONTENT

BASED IMAGE

NOVEL APPROACHES FOR CLASSIFICATION AND RETRIEVAL

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PRINCIPAL
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ENGINEERING COLLEGE
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Sivagangal Dist. Tamiinadu

Chermai 600 025

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FACULTY OF ENGINEERING AND TECHNOLOGY

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Reg.Nichtistanot/BG



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

Title of the Thesis:

CERTAIN INVESTIGATIONS ON ECONOMIC DISPATCH WITH OPTIMAL POWER FLOW USING OPTIMIZATION TECHNIQUES

Given under the and of the University

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Controller of Examinations

Dumai Registrar

M. L. S. Jak



Reg.No. 20072072001/RG

The Syndicate of the Anna University hereby makes known that NAGARAJAN 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 2013.

Title of the Thesis:

DESIGN AND DEVELOPMENT OF KNOWLEDGE MANAGEMENT FRAMEWORK, SOLUTION AND STRATEGY FOR MANUFACTURING INDUSTRY

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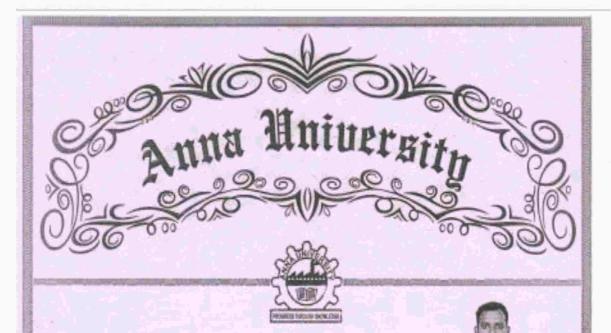
Chennai 600 025 India

March 2013

Controller of Examinations

Registrät

3. (leur)
Vice-Chancellor



Reg.No. 1313279268/RG

The Syndicate of the Anna University hereby makes known that RAJAMUNEESWARAN 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 2016. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

MECHANICAL AND MACHINABILITY BEHAVIOURS OF NATURAL CALCIUM PARTICLES IMPREGNATED COIR -POLYESTER COMPOSITES

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PRINCIPAL
PANDIAN SARASMATHI YADAY
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The Senate of the MADURAI KAMARAJ UNIVERSITY in the year 2020 hereby maker

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This Degree Certificate is awarded in Compliance of the UGC Regulations 2000

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Controller of Examinations in-charge 12 December

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Appendix To A. o. f. Vice-Chanceler

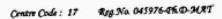
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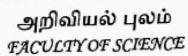
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பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

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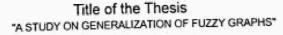


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திருக்கிராப்பள்ளி Tiruchirappalli

bisin : 9th December 2021 Date :

ISSUED ON :

பறிவாளர் Registrar

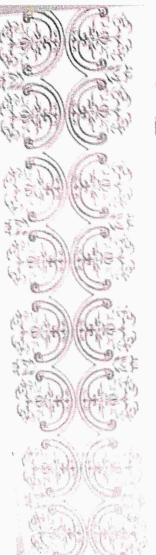




09-12-2021



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UNIVERSITI MALAYSIA PERLIS



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MURALI VISWANATHAN

having completed all requirements set by the Senate is awarded

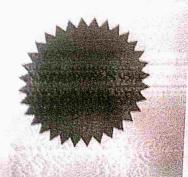
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Vice Chancellor

Registrar





Reg.No. 1024419786/RG

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Chennai 600 025 India January 2016

Controller of Examinations



Vice-Chancellor



Reg.No. 201114003DRG

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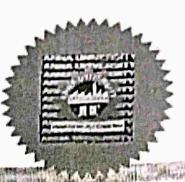
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Chermai 600 025

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Registrar

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Reg.Nichtistanot/BG



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

Title of the Thesis:

CERTAIN INVESTIGATIONS ON ECONOMIC DISPATCH WITH OPTIMAL POWER FLOW USING OPTIMIZATION TECHNIQUES

Given under the and of the University

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Controller of Examinations

Registrar

M. K. Silver



FACULTY OF ENGINEERING AND TECHNOLOGY

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A Study on Ultrasound Scan Images of the Liver for the Early Detection of Patocellular Carcinoma.

Covers under the soul of the University

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Reg.No. 20072072001/RG

The Syndicate of the Anna University hereby makes known that NAGARAJAN 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 2013.

Title of the Thesis:

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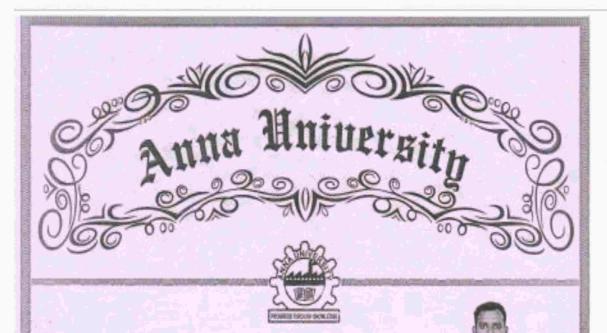
Chennai 600 025 India

March 2013

Controller of Examinations

Registrät

3. (leur)
Vice-Chancellor



Reg.No. 1313279268/RG

The Syndicate of the Anna University hereby makes known that RAJAMUNEESWARAN 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 2016. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

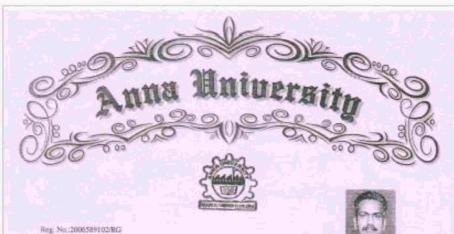
MECHANICAL AND MACHINABILITY BEHAVIOURS OF NATURAL CALCIUM PARTICLES IMPREGNATED COIR -POLYESTER COMPOSITES

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PRINCIPAL
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ENGINEERING COLLEGE
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Bivagangel Dist, Taminada



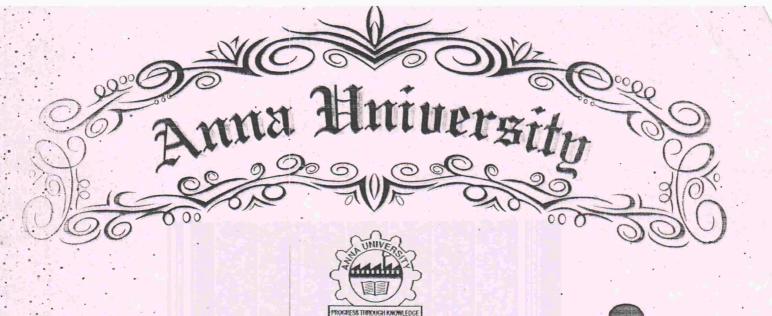
The Syndicate of the Anna University hereby makes known that PALANICHAMY R has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Mechanical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2011.

Title of the thesis:

HEAT TRANSFER ANALYSIS IN A CIRCULAR TUBE WITH INTERNAL FIN BY NUMERICAL METHOD

Given under the Seal of the University

January 2012 Controller of Examinations



Reg.No. 20102012003/RG

The Syndicate of the Anna University hereby makes known that ARUL KUMAR P V 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:

DESIGN AND OPTIMIZATION OF FIXED AREA CELL LAYOUT PROBLEMS BY USING NON-TRADITIONAL OPTIMIZATION TECHNIQUES

Given under the Seal of the University

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Register No : PHAKE

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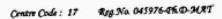
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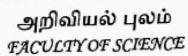
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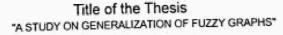


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திருக்கிராப்பள்ளி Tiruchirappalli

bisin : 9th December 2021 Date :

ISSUED ON :

பறிவாளர் Registrar





09-12-2021





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	Register No : PRL77	
	Subject Anna / PHYSICS	
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Indian Institute of Science

THE COUNCIL OF THE INDIAN INSTITUTE OF SCIENCE ON THE RECOMMENDATION

OF THE SENATE HEREBY CONFERS ON

P Arun Kumar

THE DEGREE OF

Doctor of Philosophy

AWARDED AT BANGALORE ON THE 29 to OF MARCH, 2014.

P. Balanem DERECTOR



CHAIRPERSON, COUNCIL



ALAGAPPA UNIVERSITY

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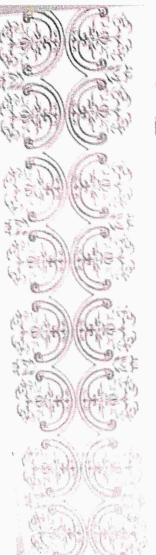


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This is to cortify that

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having completed all requirements set by the Senate is awarded

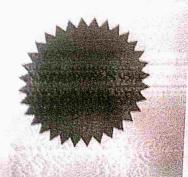
Doctor of Philosophy

with all rights and privileges there to pertaining.

The Senate has authorised the Academic Seal to be affixed on 19th September 2015.

Vice Chancellor

Registrar





Reg.No. 1024419786/RG

The Syndicate of the Anna University hereby makes known that PREMLATHA K 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 2015. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

DYNAMIC COURSE COMPOSITION FOR ADAPTIVE E-LEARNING

Given under the Seal of the University



Chennai 600 025 India January 2016

Controller of Examinations



Viag-Chancellor



Reg.No. 201114003DRG

The Syndicate of the Anna University hereby makes known that RAJA 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 2015. The degree has been awarded in compliance with the University Grants Commission, Regulations 2009.

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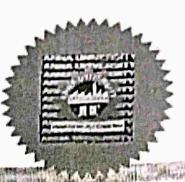
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Sivagangal Dist. Tamiinadu

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

Title of the Thesis:

CERTAIN INVESTIGATIONS ON ECONOMIC DISPATCH WITH OPTIMAL POWER FLOW USING OPTIMIZATION TECHNIQUES

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M. K. Silver



Reg.No. 20072072001/RG

The Syndicate of the Anna University hereby makes known that NAGARAJAN 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 2013.

Title of the Thesis:

DESIGN AND DEVELOPMENT OF KNOWLEDGE MANAGEMENT FRAMEWORK, SOLUTION AND STRATEGY FOR MANUFACTURING INDUSTRY

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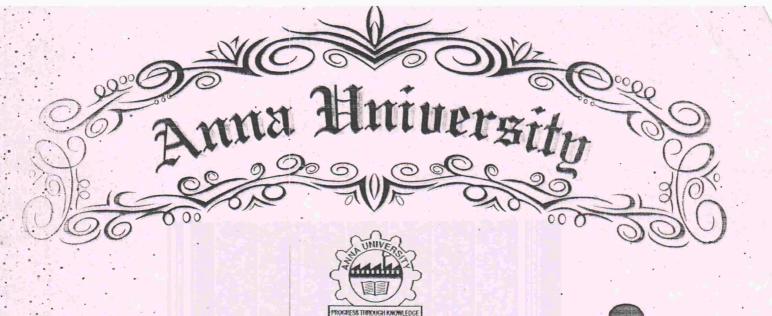
Chennai 600 025 India

March 2013

Controller of Examinations

Registrät

3. (leur)
Vice-Chancellor



Reg.No. 20102012003/RG

The Syndicate of the Anna University hereby makes known that ARUL KUMAR P V 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:

DESIGN AND OPTIMIZATION OF FIXED AREA CELL LAYOUT PROBLEMS BY USING NON-TRADITIONAL OPTIMIZATION TECHNIQUES

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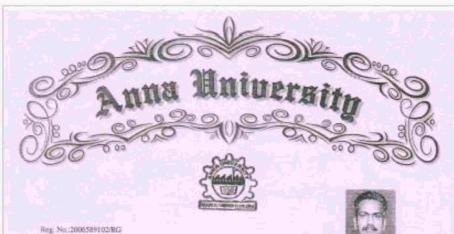
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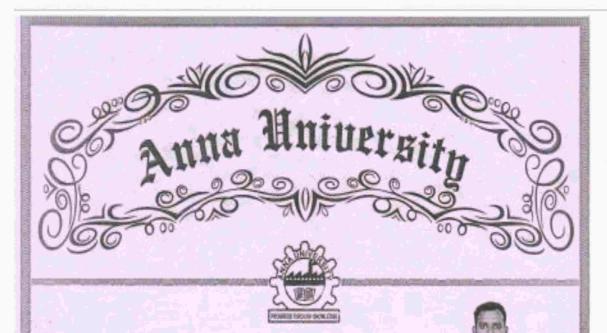
The Syndicate of the Anna University hereby makes known that PALANICHAMY R has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Mechanical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2011.

Title of the thesis:

HEAT TRANSFER ANALYSIS IN A CIRCULAR TUBE WITH INTERNAL FIN BY NUMERICAL METHOD

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January 2012 Controller of Examinations



Reg.No. 1313279268/RG

The Syndicate of the Anna University hereby makes known that RAJAMUNEESWARAN 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 2016. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

MECHANICAL AND MACHINABILITY BEHAVIOURS OF NATURAL CALCIUM PARTICLES IMPREGNATED COIR -POLYESTER COMPOSITES

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PANDIAN SAFALWATH YACAV
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