



# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC)

(Accredited by NBA – ECE, EEE & MECH UG Programs)

Dindigul – Palani Highway, Dindigul 624 002.

## Criteria 2- Teaching- Learning and Evaluation

### Key Indicator- 2.4. Teacher Profile and Quality (40)

Metric No.	Description
Metric No. 2.4.2 QnM	<p><i>Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years</i> <i>(consider only highest degree for count)</i></p> <p><i>2.4.2.1. Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years</i></p>



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## CRITERIA – 2 TEACHING - LEARNING AND EVALUATION

### Key Indicator- 2.4. Teacher Profile and Quality

<b>2.4.2 Percentage of full-time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)</b>		
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### SUMMARY

The full time teachers with Ph.D/SLET/NET for all assessment period 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019 are as given below:

S.No	Department	2022-23	2021-22	2020-21	2019-20	2018-19
1	Automobile Engineering	01	01	01	01	01
2	Civil Engineering	01	01	01	01	0
3	Computer Science and Engineering	03	02	02	02	01
4	Electrical and Electronics Engineering	02	01	01	02	02
5	Electronics and Communication Engineering	06	06	05	04	03
6	Mechanical Engineering	07	07	07	09	11
7	Science and Humanities	11	07	09	12	12
Total		31	25	26	31	30
Number of full time teachers Available		90	86	101	128	127
Percentage		34.44%	29.07%	25.74%	24.22%	23.62%
Average Percentage		$(143/532) * 100 = 26.88\%$				



**PRINCIPAL**  
**Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (NUS)**  
**Principal**  
**SSM Institute of Engineering and Technology**  
**Vettathupatti Village, Sindalagundu (Po),**  
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### Number of full-time teachers with Ph.D during the academic year 2022-2023

S.No.	Programme Name	Number of Full-Time teachers with Ph.D	Number of Full-Time teachers
1	Automobile Engineering	01	03
2	Civil Engineering	01	08
3	Computer science Engineering	03	12
4	Electrical and Electronics Engineering	02	09
5	Electronics and Communication Engineering	06	23
6	Mechanical Engineering	07	16
7	Science and Humanities	11	19
Total		31	90



  
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### List of full-time teachers with Ph.D for the academic year 2022-2023

Department of Automobile Engineering (01)		
S.No	Name of the Faculty	Designation
1.	Dr.K.A.Sundararaman	Professor & HoD

HOD/AUTO

f.v

Principal

Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (NUS)

Principal

SSM Institute of Engineering and Technology

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### List of full-time Faculty's with PhD for the academic year 2022-2023

Department of Civil Engineering (01)		
S.No	Name of the Faculty	Designation
1.	Dr.G.Selvabharathi	Associate Professor & HoD

P  
HOD/CIVIL



  
Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)  
Principal  
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### List of full-time teachers with Ph.D for the academic year 2022-2023

Department of Computer Science and Engineering (03)		
S.No	Name of the Faculty	Designation
1.	Dr.C.Sujatha	Professor & HoD
2.	Dr.V.Nivedhitha	Associate Professor
3.	Dr.G.Prabu	Associate Professor

G.LK

HOD/CSE



Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
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### List of full-time teachers with Ph.D for the academic year 2022-2023

Department of Electrical & Electronics Engineering (02)		
S.No	Name of the Faculty	Designation
1.	Dr.G.Mohan Babu	Professor & HoD
2.	Dr.V.Sivakumar	Assistant Professor

V.

HOD/EEE

Head of the Department  
Department of Electrical & Electronics Engineering  
SSM Institute of Engineering & Technology  
Sindhalagundu Post, Dindigul - 624002

Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
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### List of full-time teachers with Ph.D for the academic year 2022-2023

Department of ECE Engineering (06)		
S.No	Name of the Faculty	Designation
1.	Dr.S.Karthigai Lakshmi	Professor & HoD
2.	Dr.K.Vinothkumar	Professor
3.	Dr.K.Rajesh	Professor
4.	Dr.M.Jeyalakshmi	Associate Professor
5.	Dr.M.Premkumar	Associate Professor
6.	Dr.K.Ganapriya	Assistant Professor

*S.Karthigai*  
HOD/ECE



*[Signature]*  
Principal

Dr.D.SENTHIL KUMARAN, M.E.,Ph.D.,(NUS)  
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### List of full-time teachers with Ph.D for the academic year 2022-2023

Department of Mechanical Engineering (07)		
S.No	Name of the Faculty	Designation
1.	Dr.D.Senthil Kumaran	Professor & Principal
2.	Dr.G.Sankaranarayanan	Professor & HoD
3.	Dr.S.Joseph Dominic Vijayakumar	Professor
4.	Dr.M.Muthukannan	Professor
5.	Dr.V.Kandavel	Associate Professor
6.	Dr.M.Sabareeswaran	Associate Professor
7.	Dr.R.Subhaa	Associate Professor

  
HOD/MECH

  
Principal  
**Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)**  
Principal  
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### List of full-time teachers with Ph.D / SET / NET for the Academic Year 2022-2023

Science and Humanities (11)			
S.No	Name of the Faculty	Designation	Department
1.	Dr.G.Shanmugam	Professor & Head	Physics
2.	Dr.S.Nagamuthu	Assistant Professor	Physics
3.	Dr.K.Ramachandran	Assistant Professor	Physics
4.	Dr.M.Rameswari	Professor & Head	Maths
5.	Dr.R.Satheesh Babu	Associate Professor	Maths
6.	Mrs.S.Kavitha	Associate Professor	Maths
7.	Mrs.R.Janani	Assistant Professor	Maths
8.	Dr.K.Thara	Assistant Professor	Chemistry
9.	Dr.A.Kumaresan	Associate Professor	Chemistry
10.	Dr.K.Ganesh	Assistant Professor	Chemistry
11.	Dr.C.Karthikeyan	Professor & Head	English



Shyli/24  
Dean/S&H

Principal  
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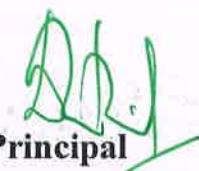
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### Number of full-time teachers with Ph.D/NET/SET/SLET during the academic year 2021-2022

S.No.	Programme Name	Number of Full-Time teachers with Ph.D	Number of Full-Time teachers
1	Automobile Engineering	01	04
2	Civil Engineering	01	06
3	Computer science Engineering	02	09
4	Electrical and Electronics Engineering	01	10
5	Electronics and Communication Engineering	06	22
6	Mechanical Engineering	07	16
7	Science and Humanities	07	19
Total		25	86



  
**Principal**

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### List of full-time teachers with Ph.D for the academic year 2021-2022

Department of Automobile Engineering (01)		
S.No	Name of the Faculty	Designation
1.	Dr.K.A.Sundararaman	Professor & HoD

HOD/AUTO  
S.



  
**Principal**  
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Department of Civil Engineering (01)		
S.No	Name of the Faculty	Designation
1.	Dr.G.Selvabharathi	Associate Professor & HoD

HOD/CIVIL



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### List of full-time teachers with Ph.D for the academic year 2021-2022

Department of Computer Science and Engineering (02)		
S.No	Name of the Faculty	Designation
1.	Dr.V.Shunmughavel	Professor / HoD
2.	Dr.G.Prabu	Associate Professor

6-25/18  


HOD/CSE



Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
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Department of Electrical & Electronics Engineering (01)		
S.No	Name of the Faculty	Designation
1.	Dr.G.Mohan Babu	Professor & HoD

HOD/EEE

Head of the Department

Department of Electrical & Electronics Engineering  
SSM Institute of Engineering & Technology  
Sindhalagundu Post, Dindigul - 624002

Principal

Dr.D.SENTHIL KUMARAN, M.E.,Ph.D.,(NUS)

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Department of ECE Engineering (06)		
S.No	Name of the Faculty	Designation
1.	Dr.S.Karthigai Lakshmi	Professor & HoD
2.	Dr.C.Sujatha	Professor
3.	Dr.K.Vinothkumar	Associate Professor
4.	Dr.K.Rajesh	Associate Professor
5.	Dr.V.Jeevanantham	Associate Professor
6.	Dr.M.Jeyalakshmi	Associate Professor

J-Karthigai  
HOD/ECE



Principal

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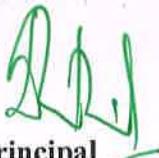
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Department of Mechanical Engineering (07)		
S.No	Name of the Faculty	Designation
1.	Dr. D. Senthil Kumaran	Professor & Principal
2.	Dr.G.Sankaranarayanan	Professor & Head
3.	Dr.S.Joseph Dominic Vijayakumar	Professor
4.	Dr.M.Muthukannan	Professor
5.	Dr.V.Kandavel	Professor
6.	Dr.M.Sabareeswaran	Associate Professor
7.	Dr.R.Subhaa	Associate Professor

  
HOD/MECH

  
Principal  
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## List of full-time teachers with Ph.D / SET / NET for the Academic Year 2021-2022

Science and Humanities (7)			
S.No	Name of the Faculty	Designation	Department
1.	Dr.G.Shanmugam	Professor & Head	Physics
2.	Dr.J.Abraham Hudson Mark	Associate Professor	Physics
3.	Dr.M.Rameswari	Professor & Head	Maths
4.	Mrs.S.Kavitha	Associate Professor	Maths
5.	Mrs.S.Sudha	Assistant Professor	Maths
6.	Mrs.R.Janani	Assistant Professor	Maths
7.	Dr.N.Sampathkumar	Professor & Head	Chemistry

  
Dean/S&H



  
**Principal**  
**Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)**  
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S.No.	Programme Name	Number of Full-Time teachers with Ph.D	Number of Full-Time teachers
1	Automobile Engineering	01	07
2	Civil Engineering	01	10
3	Computer science Engineering	02	12
4	Electrical and Electronics Engineering	01	10
5	Electronics and Communication Engineering	05	22
6	Mechanical Engineering	07	17
7	Science and Humanities	09	23
Total		26	101



Principal

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### List of full-time teachers with Ph.D for the academic year 2020-2021

Department of Automobile Engineering (01)		
S.No	Name of the Faculty	Designation
1.	Dr.K.A.Sundararaman	Associate Professor & HoD

HOD/AUTO  
for



Principal  
**Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)**  
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### List of full-time Faculty's with PhD for the academic year 2020-2021

Department of Civil Engineering (01)		
S.No	Name of the Faculty	Designation
1.	Dr.G.Selvabharathi	Associate Professor & HoD

  
HOD/CIVIL



Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)  
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Department of Computer Science and Engineering (02)		
S.No	Name of the Faculty	Designation
1.	Dr.V.Shunmughavel	Professor / HoD
2.	Dr.V.Eswaramoorthy	Associate Professor

6 LHB  
HOD/CSE

  
Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
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### List of full-time teachers with Ph.D for the academic year 2020-2021

Department of Electrical & Electronics Engineering (01)		
S.No	Name of the Faculty	Designation
1.	Dr.K.Vijayakumar	Professor & HoD

HOD/EEE

Head of the Department

Department of Electrical & Electronics Engineering  
SSM Institute of Engineering & Technology  
Sindhalagundu Post, Dindigul - 624002

Principal

Dr.D.SENTHIL KUMARAN, M.E.,Ph.D.,(NUS)  
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Department of ECE Engineering (05)		
S.No	Name of the Faculty	Designation
1.	Dr.S.Karthigai Lakshmi	Professor & HoD
2.	Dr.G.Mohan Babu	Professor
3.	Dr.C.Sujatha	Professor
4.	Dr.K.Vinothkumar	Associate Professor
5.	Dr.K.Rajesh	Associate Professor

*S.Karthigai*  
HOD/ECE



  
Principal

D.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
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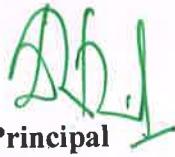
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Department of Mechanical Engineering (07)		
S.No	Name of the Faculty	Designation
1.	Dr. D. Senthil Kumaran	Professor & Principal
2.	Dr.G.Sankaranarayanan	Professor & HoD
3.	Dr.M.Muthukannan	Professor
4.	Dr.S.Joseph Dominic Vijayakumar	Associate Professor
5.	Dr.V.Kandavel	Associate Professor
6.	Dr.M.Sabareeswaran	Associate Professor
7.	Dr.R.Subhaa	Associate Professor

  
HOD/MECH

  
Principal  
Dr.D.SENTHIL KUMARAN, M.E., Ph.D., [NUS]  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
Palani Road, Dindigul - 624 002.



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Dindigul – Palani Highway, Dindigul 624 002.

### List of full-time teachers with Ph.D / SET / NET for the Academic Year 2020-2021

Science and Humanities (9)			
S.No	Name of the Faculty	Designation	Department
1.	Dr.G.Shanmugam	Professor & Head	Physics
2.	Dr.J.Abraham Hudson Mark	Associate Professor	Physics
3.	Dr.Sri Nithya Nareshananda	Assistant Professor	Physics
4.	Dr.M.Rameswari	Professor & Head	Maths
5.	Mrs.S.Kavitha	Associate Professor	Maths
6.	Mrs.S.Sudha	Assistant Professor	Maths
7.	Mrs.R.Janani	Assistant Professor	Maths
8.	Dr.N.Sampathkumar	Professor & Head	Chemistry
9.	Dr.S.Singaravadivel	Assistant Professor	Chemistry

Dean/S&H



Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (P.O),  
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Dindigul – Palani Highway, Dindigul 624 002.

### Number of full-time teachers with Ph.D/NET/SET/SLET during the academic year 2019-2020

S.No.	Programme Name	Number of Full-Time teachers with Ph.D	Number of Full-Time teachers
1	Automobile Engineering	01	09
2	Civil Engineering	01	19
3	Computer science Engineering	02	13
4	Electrical and Electronics Engineering	02	11
5	Electronics and Communication Engineering	04	25
6	Mechanical Engineering	09	24
7	Science and Humanities	12	27
Total		31	128



  
**Principal**  
**Dr. D. SENTHIL KUMARAN, M.R., Ph.D., (MUS).**  
**Principal**  
**SSM Institute of Engineering and Technology**  
**Kuttathupatti Village, Sindalagundu (Po),**  
**Palani Road, Dindigul - 624 002.**



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Dindigul – Palani Highway, Dindigul 624 002.

### List of full-time teachers with Ph.D for the academic year 2019-2020

Department of Automobile Engineering (01)		
S.No	Name of the Faculty	Designation
1.	Dr.M.Santhosh	Professor & HoD

HOD/AUTO  
f.v



  
**Principal**  
**Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)**  
**Principal**  
**SSM Institute of Engineering and Technology**  
**Kuttathupatti Village, Sindalagundu (Po),**  
**Palani Road, Dindigul - 624 002..**



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Dindigul – Palani Highway, Dindigul 624 002.

### List of full-time Faculty's with PhD for the academic year 2019-2020

Department of Civil Engineering (01)		
S.No	Name of the Faculty	Designation
1.	Dr.G.Selvabharathi	Associate Professor & HoD

HOD/CIVIL



  
Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
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### List of full-time teachers with Ph.D for the academic year 2019-2020

Department of Computer Science and Engineering (02)		
S.No	Name of the Faculty	Designation
1.	Dr.V.Shunmughavel	Professor / HoD
2.	Dr.V.Eswaramoorthy	Associate Professor

6.4.18  
HOD/CSE



Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (MUS)

Principal

SSM Institute of Engineering and Technology

Kuttathupatti Village, Sindalagundu (Po)

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Dindigul – Palani Highway, Dindigul 624 002.

### List of full-time teachers with Ph.D for the academic year 2019-2020

Department of Electrical & Electronics Engineering (02)		
S.No	Name of the Faculty	Designation
1.	Dr.K.Vijayakumar	Professor & HoD
2.	Dr.N.Balamurugan	Assistant Professor

V. *[Signature]*  
HOD/EEE  
Head of the Department  
Department of Electrical & Electronics Engineering  
SSM Institute of Engineering & Technology  
Sindhalagundu Post, Dindigul - 624002



Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindhalagundu (Po),  
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Dindigul-Palani Highway, Dindigul-624002

### List of full-time teachers with Ph.D for the academic year 2019-2020

Department of ECE Engineering (04)		
S.No	Name of the Faculty	Designation
1.	Dr.S.Karthigai Lakshmi	Professor & HoD
2.	Dr.G.Mohan Babu	Professor
3.	Dr.C.Sujatha	Professor
4.	Dr.K.Vinothkumar	Associate Professor

*S.Karthigai*  
HOD/ECE



*D.Senthil Kumaran*  
Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., [IUS]  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
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### List of full-time teachers with Ph.D for the academic year 2019-2020

Department of Mechanical Engineering (09)		
S.No	Name of the Faculty	Designation
1.	Dr. D. Senthil Kumaran	Professor & Principal
2.	Dr.G.Sankaranarayanan	Professor & HoD
3.	Dr.K.A.Sundaraman	Associate Professor
4.	Dr.S.Joseph Dominic Vijayakumar	Associate Professor
5.	Dr.V.Kandavel	Associate Professor
6.	Dr.M.Sabareeswaran	Associate Professor
7.	Dr.S.Paul Singarayar	Associate Professor
8.	Dr.M.Muthukannan	Associate Professor
9.	Dr.R.Subhaa	Assistant Professor

  
HOD/MECH

  
Principal  
Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
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## List of full-time teachers with Ph.D / SET / NET for the Academic Year 2019-2020

Science and Humanities (12)			
S.No	Name of the Faculty	Designation	Department
1.	Dr.G.Shanmugam	Professor & Head	Physics
2.	Dr.J.Abraham Hudson Mark	Associate Professor	Physics
3.	Dr.Sri Nithya Nareshananda	Assistant Professor	Physics
4.	Dr.M.Rameswari	Associate Professor & Head	Maths
5.	Dr.K.Renganathan	Associate Professor	Maths
6.	Dr.G.Arockia Prabhakar	Assistant Professor	Maths
7.	Mrs.S.Kavitha	Associate Professor	Maths
8.	Mrs.S.Sudha	Assistant Professor	Maths
9.	Mrs.R.Janani	Assistant Professor	Maths
10.	Dr.N.Sampathkumar	Professor & Head	Chemistry
11.	Dr.S.Singaravelivel	Assistant Professor	Chemistry
12.	Dr.L.Ronald David	Associate Professor	English

Dean/S&H



Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
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### Number of full-time teachers with Ph.D/NET/SET/SLET during the academic year 2018-2019

S.No.	Programme Name	Number of Full-Time teachers with Ph.D	Number of Full-Time teachers
1	Automobile Engineering	01	09
2	Civil Engineering	0	19
3	Computer science Engineering	01	11
4	Electrical and Electronics Engineering	02	12
5	Electronics and Communication Engineering	03	23
6	Mechanical Engineering	11	25
7	Science and Humanities	12	28
Total		30	127



Principal

Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (MUS)

Principal

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### Principal

#### List of full-time teachers with Ph.D for the academic year 2018-2019

Department of Automobile Engineering (09)		
S.No	Name of the Faculty	Designation
1.	Dr.M.Santhosh	Professor & HoD

*H.S* →  
HOD/AUTO  
*DoV*



Principal

Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (NUS)

Principal

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Kuttathupatti Village, Sindalagundu (Po),

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Dindigul – Palani Highway, Dindigul 624 002.

### List of full-time Faculty's with PhD for the academic year 2018-19

Department of Civil Engineering (01)		
S.No	Name of the Faculty	Designation
		Nil

*P.S.*  
HOD/CIVIL



Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
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### List of full-time teachers with Ph.D for the academic year 2018-19

Department of Computer Science and Engineering (01)		
S.No	Name of the Faculty	Designation
1.	Dr.V.Shunmughavel	Professor / HoD

G.L.H  
HOD/CSE

  
Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)  
Principal  
SSM Institute of Engineering and Technology  
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### List of full-time teachers with Ph.D for the academic year 2018-19

Department of Electrical & Electronics Engineering (02)		
S.No	Name of the Faculty	Designation
1.	Dr.P.Booma Devi	Associate Professor & HoD
2.	Dr.N.Balamurugan	Assistant Professor

  
HOD/EEE

Head of the Department  
Department of Electrical & Electronics Engineering  
SSM Institute of Engineering & Technology  
Sindhalagundu Post, Dindigul - 624002

  
Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindhalagundu(Po),  
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Dindigul-Palani Highway, Dindigul-624002

### List of full-time teachers with Ph.D for the academic year 2018-2019

Department of ECE Engineering (03)		
S.No	Name of the Faculty	Designation
1.	Dr.S.Karthigai Lakshmi	Professor & HoD
2.	Dr.G.Mohan Babu	Professor
3.	Dr.C.Sujatha	Professor

*J. Karthigai*  
HOD/ECE



*D. Senthil Kumaran*  
Principal  
Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
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Dindigul – Palani Highway, Dindigul 624 002.

### List of full-time teachers with Ph.D for the academic year 2018-2019

Department of Mechanical Engineering (11)		
S.No	Name of the Faculty	Designation
1.	Dr. M. Saravanan	Professor & Principal
2.	Dr.G.Sankaranarayanan	Professor & HoD
3.	Dr.A.Anbarasu	Professor
4.	Dr.K.A.Sundararaman	Associate Professor
5.	Dr.S.Ganesh Kumar	Associate Professor
6.	Dr.S.Joseph Dominic Vijayakumar	Associate Professor
7.	Dr.V.Kandavel	Associate Professor
8.	Dr.M.Sabareeswaran	Associate Professor
9.	Dr.S.Paul Singarayar	Assistant Professor
10.	Dr.P.Ganesan	Assistant Professor
11.	Dr.R.Subhaa	Assistant Professor

L.A  
HOD/MECH

Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
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Dindigul – Palani Highway, Dindigul 624 002.

## List of full-time teachers with Ph.D / SET / NET for the Academic Year 2018-2019

Science and Humanities (12)			
S.No	Name of the Faculty	Designation	Department
1.	Dr.G.Shanmugam	Professor & Head	Physics
2.	Dr.J.Abraham Hudson Mark	Associate Professor	Physics
3.	Dr.Sri Nithya Nareshananda	Assistant Professor	Physics
4.	Dr.M.Rameswari	Associate Professor & Head	Maths
5.	Dr.K.Renganathan	Associate Professor	Maths
6.	Dr.G.Arockia Prabhakar	Assistant Professor	Maths
7.	Mrs.S.Kavitha	Associate Professor	Maths
8.	Mrs.S.Sudha	Assistant Professor	Maths
9.	Mrs.R.Janani	Assistant Professor	Maths
10.	Dr.N.Sampathkumar	Associate Professor & Head	Chemistry
11.	Dr.S.Singaravelivel	Assistant Professor	Chemistry
12.	Dr.L.Ronald David	Associate Professor	English

Dean/S&H

  
Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
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 Dindigul – Palani Highway, Dindigul 624 002.

### List of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D.

during the last five years

S.No.	Name of the faculty	Highest Qualification (NET/SET/SLET/ Ph. D. / D.Sc. / D.Litt./L.L.D.) and Year of obtaining	Awarding University	Is the teacher still serving in the institution if not last year of the service of faculty to the Institution
1	Dr.G.Selvabharathi	Ph.D & 2020	Anna University, Chennai	Yes
2	Dr.C.Sujatha	Ph.D & 2016	Anna University, Chennai	Yes
3	Dr.G.Prabhu	Ph.D & 2021	Periyar Maniyammai Institute of Science and Technology, Thanjavur	Yes
4	Dr.V.Sivakumar	Ph.D & 2022	Anna University, Chennai	Yes
5	Dr.S. Karthigai Lakshmi	Ph.D & 2013	Anna University, Chennai	Yes
6	Dr.K. Vinothkumar	Ph.D & 2017	Karpagam University, Coimbatore	Yes
7	Dr. K. Rajesh	Ph.D & 2020	Anna University, Chennai	Yes
8	Dr. M. Jeyalakshmi	Ph.D & 2021	Anna University, Chennai	Yes
9	Dr.M. Premkumar	Ph.D & 2022	Anna University, Chennai	Yes
10	Dr.K, Ganapriya	Ph.D & 2022	Anna University, Chennai	Yes
11	Dr.D.Senthil Kumaran	Ph.D & 2002	National University of Singapore	Yes



Principal

**Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)**  
 Principal  
 SSM Institute of Engineering and Technology  
 Kuttathupatti Village, Sindalagundu (Po),  
 Palani Road, Dindigul - 624 002.



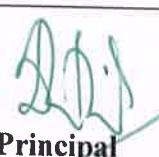


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 Dindigul – Palani Highway, Dindigul 624 002.

S.No.	Name of the faculty	Highest Qualification (NET/SET/SLET/ Ph. D. / D.Sc. / D.Litt./L.L.D.) and Year of obtaining	Awarding University	Is the teacher still serving in the institution if not last year of the service of faculty to the Institution
12	Dr.G.Sankaranarayanan	Ph.D & 2015	Anna University, Chennai	Yes
13	Dr.S. Joseph Dominic Vijayakumar	Ph.D & 2016	Anna University, Chennai	Yes
14	Dr.M.Muthukannan	Ph.D & 2016	Kalasalingam University, Krishnan Koil	Yes
15	Dr.V.Kandavel	Ph.D & 2018	Anna University, Chennai	Yes
16	Dr.M.Sabareeswaran	Ph.D & 2018	Anna University, Chennai	Yes
17	Dr.M.Rameswari	Ph.D & 2014	The Gandhigram Rural Institute Deemed University, Gandhigram	Yes
18	Dr.R.Satheeshbabu	Ph.D & 2023	Bharathiar University, Coimbatore	Yes
19	Dr.C.Karthikeyan	Ph.D & 2021	Anna University, Chennai	Yes
20	Dr.K.Thara	Ph.D & 2023	Bharathiar University, Coimbatore	Yes
21	Dr.K.Ganesh	Ph.D & 2015	The Gandhigram Rural Institute Deemed University, Gandhigram	Yes
22	Dr.A.Kumaresan	Ph.D & 2018	Manonmaniam Sundaranar University, Tirunelveli	Yes



  
**Principal**  
**Dr. D. SENTHIL KUMARAN, M.E., Ph.D., I.E.S.**  
**Principal**  
**SSM Institute of Engineering and Technology**  
**Kuttathupatti Village, Sindalagundu (P.O),**  
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S.No.	Name of the faculty	Highest Qualification (NET/SET/SLET/ Ph. D. / D.Sc. / D.Litt./L.L.D.) and Year of obtaining	Awarding University	Is the teacher still serving in the institution if not last year of the service of faculty to the Institution
23	Dr.S.Shanmugam	Ph.D & 2013	Anna University, Chennai	Yes
24	Dr.S.Nagamuthu	Ph.D & 2016	The Gandhigram Rural Institute Deemed University, Gandhigram	Yes
25	Dr.K.Ramachandran	Ph.D & 2021	Anna University, Chennai	Yes
26	S.Kavitha	SET & 2017	Mother Teresa Women's University, Kodaikanal	Yes
27	S.Sudha	SET & 2018	Mother Teresa Women's University, Kodaikanal	Yes
28	R.Janani	NET & 2011	Council of Scientific and Industrial Research	Yes
29	Dr.K.A.Sundararaman	Ph.D & 2017	Anna University, Chennai	No & 2023
30	Dr.M.Santhosh	Ph.D & 2015	Anna University, Chennai	No & 2019
31	Dr.Easwaramoorthy V	Ph.D & 2018	Anna University, Chennai	No & 2020
32	Dr.V.Shunughavel	Ph.D & 2015	Anna University, Chennai	No & 2022
33	Dr.V.Nivedhitha	Ph.D & 2021	Anna University, Chennai	No & 2022
34	Dr.G.Mohanbabu	Ph.D & 2014	Anna University, Chennai	No & 2023



Principal

**Dr.B.SENTHIL KUMARAN, M.E., Ph.D., (M.S.)**  
**Principal**  
**SSM Institute of Engineering and Technology**  
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S.No.	Name of the faculty	Highest Qualification (NET/SET/SLET/ Ph. D. / D.Sc. / D.Litt./L.L.D.) and Year of obtaining	Awarding University	Is the teacher still serving in the institution if not last year of the service of faculty to the Institution
35	Dr.K.Vijayakumar	Ph.D & 2014	Anna University, Chennai	No & 2020
36	Dr.N.Balamurugan	Ph.D & 2018	Anna University, Chennai	No & 2021
37	Dr.P. Boomadevi	Ph.D & 2016	Anna University, Chennai	No & 2019
38	Dr.V.Jeevanantham	Ph.D & 2021	Anna University, Chennai	No & 2022
39	Dr.M. Saravanan	Ph.D & 2008	Anna University, Chennai	No & 2019
40	Dr.R.Subhaa	Ph.D & 2018	Anna University, Chennai	No & 2022
41	Dr.A.Anbarasu	Ph.D & 2014	Anna University, Chennai	No & 2019
42	Dr.S. Ganesh Kumar	Ph.D & 2015	Anna University, Chennai	No & 2019
43	Dr.S.Paulsingarayar	Ph.D & 2018	Anna University, Chennai	No & 2019
44	Dr.P. Ganesan	Ph.D & 2018	Anna University, Chennai	No & 2018
45	Dr.K.Renganathan	Ph.D & 2013	CMJ University, Meghalaya	No & 2020
46	Dr.G.AROCKIA PRABAKAR	Ph.D & 2015	The Gandhigram Rural Institute Deemed University, Gandhigram	No & 2019
47	Dr.L.Ronald David	Ph.D & 2013	The Gandhigram Rural Institute Deemed University, Gandhigram	No & 2019



  
**Principal**  
**Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (IITB)**  
**Principal**  
**SSM Institute of Engineering and Technology**  
**Kuttathupettai Village, Sindalagundu (Po),**  
**Palani Road, Dindigul - 624 002.**



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 Dindigul – Palani Highway, Dindigul 624 002.

S.No.	Name of the faculty	Highest Qualification (NET/SET/SLET/ Ph. D. / D.Sc. / D.Litt./L.L.D.) and Year of obtaining	Awarding University	Is the teacher still serving in the institution if not last year of the service of faculty to the Institution
48	Dr.N.Sambathkumar	Ph.D & 2012	Bharathidasan University, Tiruchirappalli	No & 2022
49	Dr.S.Singara Vadivel	Ph.D & 2012	Madurai Kamaraj University, Madurai	No & 2021
50	Dr.J.Abraham Hudson Mark	Ph.D & 2016	Madurai Kamaraj University, Madurai	No & 2022
51	Dr.Sri Nithya Nareshanandha	Ph.D & 2014	Annamalai University, Chidambaram.	No & 2020

Principal

Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(MUSA)  
 Principal  
 SSM Institute of Engineering and Technology  
 Kuttagupatti Village, Sindalagundu (Po),  
 Palani Road, Dindigul - 624 002.



# Anna University



Reg.No. 1224189736/RG

The Syndicate of the Anna University hereby makes known that **SELVABHARATHI G** 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 **2020**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

*Title of the Thesis:*

**TREATMENT OF TANNERY INDUSTRY WASTEWATER BY ADVANCED OXIDATION AND ELECTROCHEMICAL ADVANCED OXIDATION PROCESSES**



*Given under the Seal of the University*

Chennai 600 025

India

March 2021

*Dr. [Signature]*  
Controller of Examinations<sup>47</sup>

*[Signature]*  
Registrar

*[Signature]*  
Vice-Chancellor

# Anna University



Reg.No. 2009740115/RG



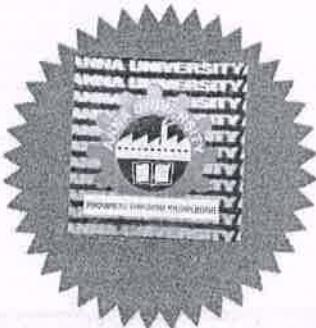
The Syndicate of the Anna University hereby makes known that **SUJATHA C** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2016**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

*Title of the Thesis:*

**SOME STUDIES ON IMAGE SEGMENTATION ALGORITHMS AND THEIR REALIZATION IN FPGA**



*Given under the Seal of the University*



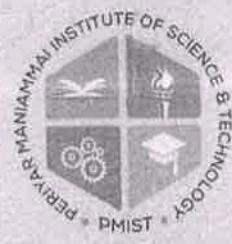
**Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)**  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindulagundu (Po),  
Palani Road, Dindigul - 624 002.



# பெரியார் மணியம்மை

அறிவியல் மற்றும் தொழில்நுட்ப நிறுவனம்  
(நிதானகால பெருமையை நிறுத்தும்)  
(நூல் எடுத்த திட்டம் : 3-வது இடைகாலம்)  
தேசிய தர மதிப்பீடு பெற்றது

பொது சமூகம் • நிதானகாலம் • நிதானகாலம்



# PERIYAR MANIAMMAI

INSTITUTE OF SCIENCE & TECHNOLOGY  
(Deemed to be University)

Established Under Sec. 3 of UGC Act, 1956 • NAAC Accredited

think • innovate • transform

பெரியார் மணியம்மை அறிவியல் மற்றும் தொழில்நுட்ப நிறுவன அடைகைக் குழு, பிரபு கோ என்பவர், ஜூலை 2021-ஆம் ஆண்டு கணினி அறிவியல் மற்றும் பொறியியல் துறையில் முனைவர் பட்டத்திற்கு தகுதி பெற்றவர் என்று முறையாக அமைக்கப்பெற்ற தேர்வாளர்கள் சான்றளித்தபடி, முனைவர் பட்டத்தை, (நிகர்நிலைப் பல்கலைக்கழகம்) இலச்சினையுடன் வழங்குகிறது.

**The Board of Management of Periyar Maniammai Institute of Science & Technology** hereby makes known that **Prabu G** has been admitted to the **DOCTOR OF PHILOSOPHY in Computer Science and Engineering** having been certified by duly appointed examiners to be qualified to receive the same in **July 2021**.

#### Title of the Thesis :

Framework for Redefining and Evaluating CMMI Models in AI Processes

SUBJECT : COMPUTER SCIENCE AND ENGINEERING



Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindugundu (Po),  
Palani Road, Dindigul - 624002

Controller of Examinations

நாள் :  
Dated: 11-12-2021  
வல்லம், தஞ்சைப்பர்,  
தமிழ்நாடு, இந்தியா.  
Vallam-613 403, Thanjavur  
Tamilnadu, India.  
[www.pmu.edu](http://www.pmu.edu)

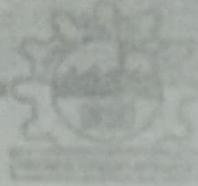
Given under the seal of PMIST  
(Deemed to be University)



பதிவுகள்  
Registrar

நிதானகால  
Vice-Chancellor

# Anna University



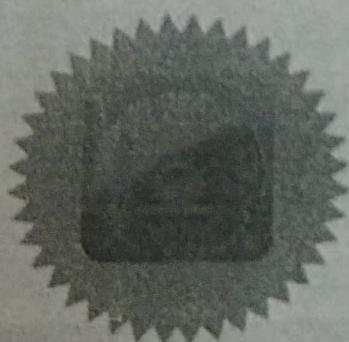
Reg. No. 16144797469/URG

The Syndicate of the Anna University hereby makes known that SIVAKUMAR V 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:

INTELLIGENT APPROACHES FOR EFFECTIVE SEGMENTATION AND DETECTION OF BRAIN TUMOR

Given under the seal of the University



V. *[Signature]*  
Head of the Department  
Department of Electrical & Electronics Engineering  
SSM Institute of Engineering & Technology  
Sathalgundu Post, Dindigul - 624032

Chennai 600025  
India  
September 2023

P. *[Signature]*  
Controller of Examinations

Doullie  
Registrar

R. *[Signature]*  
Vice-Chancellor



Reg.No. 20074012012/RG

The Syndicate of the Anna University hereby makes known that  
**KARTHIGAI LAKSHMI** 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 2013.

Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (NU)  
Principal  
SEMI Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
Palani Road, Dindigul - 624 002.

Title of the Thesis:

INVESTIGATIONS ON DIGITAL CIRCUITS USING NANO QUANTUM DOT CELLULAR AUTOMATA

*Selvam  
Self attested  
S. Lakshmi* Given under the Seal of the University



Chennai 600 025  
India  
November 2013

*Dr. D. Senthil Kumaran*  
Controller of Examinations

*Registrar*

*The Chancellor*



KARPAGAM  
UNIVERSITY

Karpagam Academy of Higher Education  
(Established Under Section 3 of UGC Act 1956)

# KARPAGAM UNIVERSITY

Karpagam Academy of Higher Education  
(Established Under Section 3 of UGC Act 1956)  
Coimbatore - 641 021, India

The Board of Management of the KARPAGAM UNIVERSITY hereby makes known that VINOOTH KUMAR K

has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY in ELECTRONICS AND COMMUNICATION ENGINEERING

under the FACULTY OF ENGINEERING

15<sup>th</sup> March 2017

having been certified by the duly appointed examiners to be qualified to receive the same on

Coimbatore

Dated : 31.10.2017

CONTROLLER OF EXAMINATIONS

Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (P.O),  
Palani Road, Dindigul - 624 002.



REGISTRAR

VICE-CHANCELLOR

THE SEAL OF UNIVERSITY





Reg.No. 2011140020/RG

The Syndicate of the Anna University hereby makes known that RAJESH 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 **2020**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

*Title of the Thesis:*

**SOFT COMPUTING TECHNIQUES BASED BRAIN TUMOR DETECTION AND SEGMENTATION- ANALYSIS**



*Given under the Seal of the University*

Chennai 600 025  
India  
March 2021  
RAJESH K.

**Controller of Examinations**

**Registrar**

**Vice-Chancellor**

# Anna University

Reg.No. 1424459899/RG



The Syndicate of the Anna University hereby makes known that **JEYALAKSHMI M** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2021**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

*Title of the Thesis:*

**DESIGN AND IMPLEMENTATION OF HIGH PERFORMANCE DIGITAL CIRCUITS USING QUANTUM-DOT CELLULAR AUTOMATA IN NANOTECHNOLOGY**

*Given under the Seal of the University*



Chennai 600 025

India

July 2022

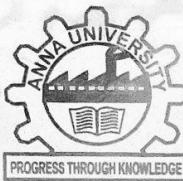
P. Sankar  
Controller of Examinations

J. T. -  
Registrar

R. V. -  
Vice-Chancellor

REGISTRATION NO. 1424459899

# Anna University



Reg.No. 1514469269/RG



The Syndicate of the Anna University hereby makes known that **PREMKUMAR M** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2022**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

*Title of the Thesis:*

**PERFORMANCE ANALYSIS OF QoS PARAMETERS FOR DETECTING  
DoS ATTACKS USING INTRUSION DETECTION SYSTEMS IN  
WIRELESS SENSOR NETWORKS**



*Given under the Seal of the University*

Chennai 600 025  
India  
July 2022  
SAR014527

*P. Sankararam*  
Controller of Examinations  
PREMKUMAR M

1.11-  
Registrar

*R. V. Ling*  
Vice-Chancellor  
UNIVERSITY OF CHENNAI, CHENNAI - 600 025

# Anna University



Reg.No. 18244797207/RG

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

*Title of the Thesis:*

**PREDICTION OF EPILEPTIC SEIZURE USING REGRESSION MODEL**

*Given under the Seal of the University*



Chennai 600 025  
India  
July 2022  
SABRIS/744

*P. Sankararao*  
Controller of Examinations

*J. R. Raj*  
Registrar

*R. V. K. Jay*  
Vice-Chancellor

# NATIONAL UNIVERSITY OF SINGAPORE



This is to certify that

*Senthil Kumaran Durairaj*

having fulfilled the requirements prescribed  
by the University was conferred the degree of

DOCTOR OF PHILOSOPHY

on

24 December 2002

  
President

  
Provost

# Anna University



Reg.No. 20092032028/RG

The Syndicate of the Anna University hereby makes known that **SANKARA NARAYANAN G** 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:*

**ALGORITHM FOR MODELING UNCONVENTIONAL MACHINE TOOL MACHINE PARAMETERS**

*Given under the Seal of the University*



Chennai 600 025

India

January 2016

Controller of Examinations

Registrar

Vice Chancellor

# Anna University



Reg.No. 20092012009/RG

The Syndicate of the Anna University hereby makes known that JOSEPH DOMINIC VIJAYAKUMAR 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:*

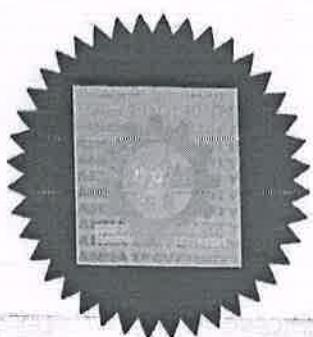
**ARTIFICIAL IMMUNE SYSTEM ALGORITHM FOR OPTIMIZATION OF PERMUTATION FLOW SHOP SCHEDULING PROBLEMS**

*Given under the Seal of the University*



**Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)**  
Principal

SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
Palani Road, Dindigul - 624 002.

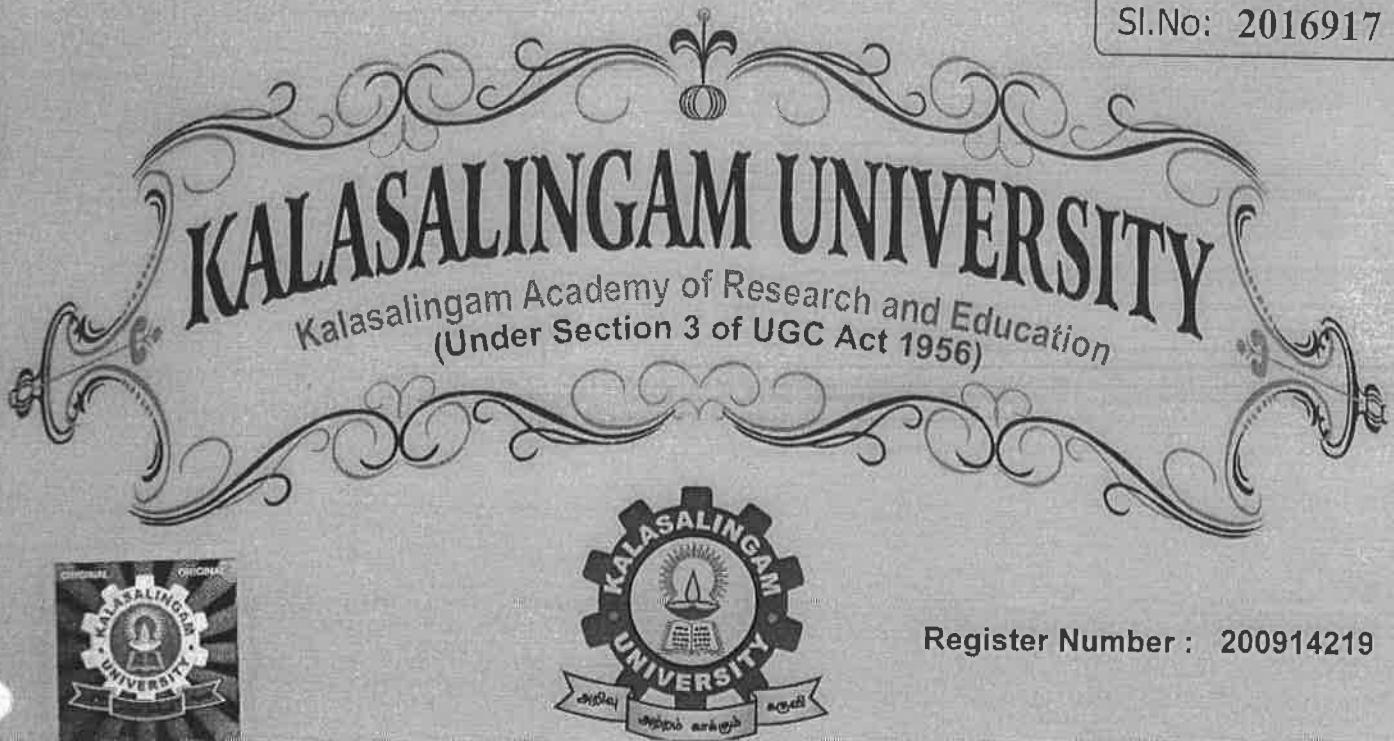


Chennai 600 025  
India  
May 2017  
NAR812045

*Signature*  
**Controller of Examinations**  
JOSEPH DOMINIC VIJAYAKUMAR S

*Signature*  
**Registrar**

*Signature*  
**Chairman, Convener Committee  
Vice-Chancellor**



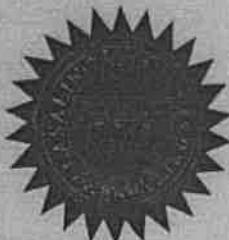
Register Number : 200914219

The Board of Management of the Kalasalingam University hereby makes known that Mr/Ms MUTHUKANNAN M. 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:

NUMERICAL INVESTIGATION OF FLOW FIELD AND HEAT TRANSFER CHARACTERISTICS FROM A SOLID BLOCK MOUNTED ON A FLAT PLATE BY USING IMPINGING SLOT JET

Given under the seal of the University



Anand Nagar,  
Krishnankoil - 626 126,  
Tamil Nadu, India

*M. Raja Sekar*

Date: 16-10-2016

Controller of Examinations

*Ramamurthy*

Registrar



*S. Sivasubramanian*

Vice - Chancellor

# Anna University



Reg.No.2011120032/RG



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

*Title of the Thesis:*

OPTIMIZATION AND MODELLING OF DYNAMIC FACILITY LOCATION-  
ALLOCATION AND RELOCATION USING FUZZY LOGIC AND GRAPH  
THEORY



Given under the seal of the University   
**Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (NUS)**  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindhalagundu (Po),  
Palani Road, Dindigul - 624 002.

Chennai 600025  
India  
June 2018  
FANR2018

7.   
Controller of Examinations  
KANDAEL V

  
Registrar

  
Vice-Chancellor



Reg.No.2011120021/RG

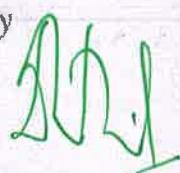


The Syndicate of the Anna University hereby makes known that SABAREESWARAN M has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Mechanical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2018. The degree has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

Title of the Thesis:

DESIGN, ANALYSIS AND OPTIMIZATION OF MACHINING FIXTURE LAYOUT UNDER DYNAMIC CONDITIONS

Given under the seal of the University



Dr.D.SENTHIL KUMARAN, M.E, Ph.D.,(NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindhalagundu (Po),  
Palani Road, Dindigul - 624 002

Chennai 600025  
India  
December 2018

S. Controller of Examinations

Registrar

Vice-Chancellor

# The Gandhigram Rural Institute ( Deemed University )

Re-Accredited by NAAC with 'A' Grade

The Board of Management of the  
Gandhigram Rural Institute  
hereby confers the Degree of  
Doctor of Philosophy  
on  
**Rameswari M**

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

**"OPTIMAL INVENTORY MODELS IN A SUPPLY CHAIN SYSTEM"**

(Date of Viva Voce: 30.09.2013 )

Given this day the..... Twenty Second ..... of January 2014 .....

under the seal of the Institute



Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu(Po),  
Palani Road, Dindigul - 624 002.



**பாரதியார் பல்கலைக்கழகம்**  
**BHARATHIAR UNIVERSITY**  
**அறிவியல் புலம்**  
**FACULTY OF SCIENCE**

பாரதியார் பல்கலைக்கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு சதீஸ் பாபு இரா, 2023ஆம் ஆண்டு ஏப்ரல் 21ல் ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை ஏற்று அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக்கழக இலச்சினையுடன் பாரதியார் பல்கலைக்கழக ஆட்சிக்குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that SATHEESH BABU R has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** having been certified by duly appointed Examiners to be qualified to receive the same on **21st APRIL 2023**.

Title of the Thesis : Analytical Approach of Networking through Graph Theoretical Concepts

Subject : **MATHEMATICS**

Given under the seal of the University



கோயம்புத்தூர்  
Coimbatore  
நாள்

Dated: 24<sup>th</sup> August 2023.  
alphd1450



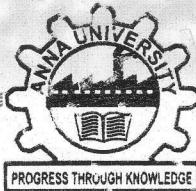
தேர்வாணையர் (பொ)  
Controller of Examinations i/c

தேர்வாளர் (பொ)  
Registrar i/c

தேர்வாணையேந்தருக்காக  
for Vice-Chancellor

Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalegundu(Po),  
Palani Road, Dindigul - 624 002.

# Anna University



Reg.No. 2011153005/RG



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

*Title of the Thesis:*

A CRITICAL AND COMPREHENSIVE ANALYSIS OF MODERN SOCIETY'S DEGRADATION AND REDEMPTION IN KAMALA MARKANDAYA'S SELECT NOVELS FROM A VEDIC PERSPECTIVE



*Given under the Seal of the University*

Chennai 600 025  
India  
March 2021  
RAR017228

Controller of Examinations

KARTHIKEYAN C

65

  
Registrar  
Vice-Chancellor

DFD11EBF37BCB005BE623E905CCCA8



**பாரதியார் பல்கலைக்கழகம்**  
**BHARATHIAR UNIVERSITY**  
**அறிவியல் புலம்**  
**FACULTY OF SCIENCE**

பாரதியார் பல்கலைக்கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழுதாரா கா, 2023ஆம் ஆண்டு மே 11ல் ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை ஏற்று அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக்கழக இலக்ஷிணையுடன் பாரதியார் பல்கலைக்கழக ஆட்சிக்குழுவைங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that THARA K has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** having been certified by duly appointed Examiners to be qualified to receive the same on **11th MAY 2023**.

Title of the Thesis : Studies on Characterization and Treatment of River Varahanathi in Periyakulam of Theni District- Removal of Heavy Metals by Carbonaceous Compounds

Subject : CHEMISTRY

Given under the seal of the University



தேர்வாணையர் (பொ)  
Controller of Examinations i/c

பதிவாளர் (பொ)  
Registrar i/c



கோயம்புத்தூர்  
Coimbatore  
நாள்  
Dated: 24<sup>th</sup> August 2023  
alphd1505



துணைவேந்தருக்காக  
for Vice-Chancellor

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
Palani Road, Dindigul - 624 002.

# THE GANDHIGRAM RURAL INSTITUTE DEEMED UNIVERSITY

(Estd.u/s 3 of the UGC Act and fully funded by MHRD, Government of India)  
Re-accredited by NAAC with 'A' Grade

Serial No.482



The Board of Management of

## THE GANDHIGRAM RURAL INSTITUTE

hereby confers the degree of

**DOCTOR OF PHILOSOPHY**

on

**GANESH. K**

[Son of Mr.M. Karuppasamy and Ms.K. Indirani]

for having successfully completed the prescribed programme of study

and presented the thesis titled

SPECTROSCOPIC STUDIES ON THE CHARGE TRANSFER COMPLEXES

OF DRUGS WITH BIOLOGICALLY SIGNIFICANT ACCEPTORS

(Date of Viva Voce: 11.03.2014)

Given this day the *Twenty Second of January 2015*

Given under the Seal of the Institute



Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)

Principal

SSM Institute of Engineering and Technology

Kuitathunatti Village Sindhalagunji No,

Tirumangalam, Madurai - 624 002, Tamilnadu

Gandhigram - 624 302

Tamilnadu

Date:22.01.2015

M. Senthil Kumaran  
Controller of Examinations

J. Senthil Kumaran  
Registrar



Vice-Chancellor



അനിവിയൻ്റെ പുലമ്പ്

## FACULTY OF SCIENCE



மனோன்மணியம் சுந்தரனார் பல்கலைக் கழக ஆட்சிக்குழு

## କୁମରୋଚନ୍ ଅ

## ವೈಕ್ಯಾಮಿಯಲ್ ಪಾಟಪ್ರಿಂಗಿಲ್

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது.

The Syndicate of the **MANONMANIAM SUNDARANAR UNIVERSITY**  
hereby makes known that **KUMARESAN A**  
has been admitted to the **Degree of Doctor of Philosophy in**  
**CHEMISTRY**

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

Given under the seal of the University.



திருநெல்வேலி, தமிழ்நாடு, இந்திய - 627012  
Tirunelveli, Tamil Nadu, India - 627012  
நாள் / Dated 22.08.2019

Digitized by srujanika@gmail.com

இதுவாணைப்பா  
Controller of Examinations  
68

(Dr.S.Santhosh Baboo)

पंचवारी  
Registrar

(Dr.K.Pitchumani)

**துணைவேந்தர்**  
**Vice-Chancellor**



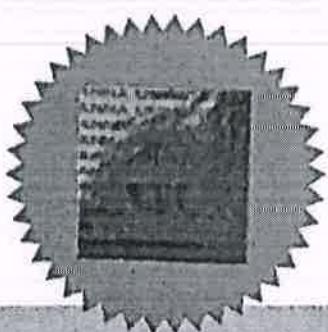
Reg.No. 20085032001/RG

The Syndicate of the Anna University hereby makes known that  
**SHANMUGAM G** 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 2013.

*Title of the Thesis:*

**SYNTHESIS, CRYSTAL GROWTH AND CHARACTERIZATION OF CERTAIN BENZOATE AND SULFONATE ORGANIC NONLINEAR OPTICAL MATERIALS**

*Given under the Seal of the University*



Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
Palani Road, Dindigul - 624 002.



Chennai 600 025  
India  
November 2013

Controller of Examinations

Registrar

Vice-Chancellor

# THE GANDHIGRAM RURAL INSTITUTE DEEMED UNIVERSITY

(Estd.u/s 3 of the UGC Act and fully funded by MHRD, Government of India)  
Re-accredited by NAAC with 'A' Grade

Serial No.50057



*The Board of Management of*  
**THE GANDHIGRAM RURAL INSTITUTE**  
*hereby confers the degree of*  
**DOCTOR OF PHILOSOPHY**

*on*

**NAGAMUTHU.S**

*[Son of M.Sadayappan and S.Thillaiammal]*

*for having successfully completed the prescribed programme of study  
and presented the thesis titled*

**GREEN SYNTHESIS AND CHARACTERIZATION OF  
MANGANESE OXIDE BASED NANOCOMPOSITES FOR  
SUPERCAPACITOR APPLICATIONS**

*(Date of Viva Voce: 22.06.2015)*

*Given this day the Twenty-ninth of January 2016*



Gandhigram - 624 302  
Tamilnadu  
Date: 29.01.2016

*M. Senthil Kumar*  
Controller of Examinations

*Given under the Seal of the Institute*

Dr. D. SENTHIL KUMARAN, M.E., Ph.D., *Institute of Engineering  
Principal*  
SSM Institute of Engineering and Technology  
Kutathupatti Village, Sivagangai/Tiruchendur  
Tamil Nadu - 624 002  
Date: 29.01.2016

*P. Balaji, M.A., B.Ed., M.Ed., M.Phil.  
Registrar*



# Anna University



Reg. No.17137991182/RG

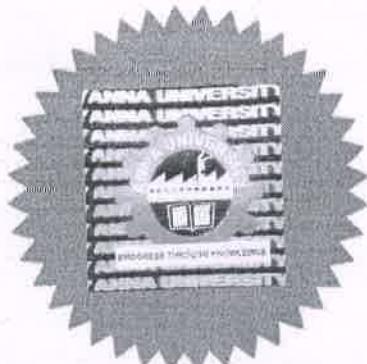


The Syndicate of the Anna University hereby makes known that **RAMACHANDRAN K** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the **Faculty of Science and Humanities**, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2021**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2016".

*Title of the Thesis:*

**MELT GROWTH OF BULK SIZE ORGANIC SINGLE CRYSTALS FOR NONLINEAR OPTICAL APPLICATIONS**

*Given under the seal of the University*



Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu(Po),  
Palani Road, Dindigul - 624 002.



Chennai 600025  
India

March 2021

Controller of Examinations

RAMACHANDRAN K

Registrar

M.K.G  
Vice-Chancellor



# GOVERNMENT OF TAMIL NADU



## **STATE ELIGIBILITY TEST FOR ASSISTANT PROFESSOR (SET 2017)**

### Conducted

By

**MOTHER TERESA WOMEN'S UNIVERSITY  
KODAIKANAL, TAMIL NADU**



(Accredited by University Grants Commission, New Delhi)

UGC Letter No. F.7-7/2015(NET/SET) dt. 07.01.2016

Government of Tamil Nadu G.O (2D) No. 67 dt. 01.12.2016

Register No.: 28126644

Date of issue: 08 September 2017

Certified that KAVITHA S

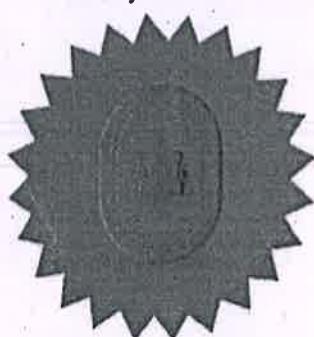
Son/Daughter of SUNDARAM

and PANDIAMMAL..... has qualified the

## **TAMIL NADU STATE ELIGIBILITY TEST (TNSET) FOR ASSISTANT PROFESSOR**

held on 23<sup>rd</sup> April 2017 in the Subject 17-Mathematical Sciences

Validity of this Certificate is forever.

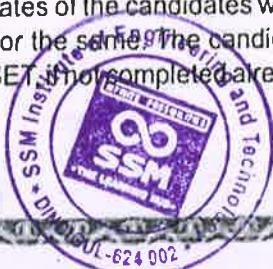


N. Geetha  
Member Secretary  
SET 2017

*[Signature]*  
Chair Person  
SET 2017

### Note :

Mother Teresa Women's University has issued the certificate based on the information provided by the candidate and his / her records / certificates have not been verified. The appointing authority should verify the original records / certificates of the candidates while considering him/her. The SET Agency is not responsible for the same. The candidate must complete Master's Degree within Two years of date of SET if not completed already.



Q3-Nicuwa (Ref No 602 , Record No 2117 )



GOVERNMENT OF TAMIL NADU



STATE ELIGIBILITY TEST FOR ASSISTANT PROFESSOR (SET 2018)



Conducted  
By

MOTHER TERESA WOMEN'S UNIVERSITY  
KODAIKANAL, TAMIL NADU



(Accredited by University Grants Commission, New Delhi)  
UGC Letter No. F.7-7/2015(NET/SET) dt. 07.01.2016  
Government of Tamil Nadu G.O (2D) No. 67 dt. 01.12.2016

Register No.: 26126161

Date of Issue: 02 July 2018

Certified that, SUDHA S.....

Son/Daughter of SIKKANAN A.....

and PALANIAMMAL V..... has qualified the

TAMIL NADU STATE ELIGIBILITY TEST (TNSET) FOR ASSISTANT PROFESSOR

held on 4<sup>th</sup> March 2018 in the Subject 17 - Mathematical Sciences.....

Validity of this Certificate is forever.



Member Secretary  
SET 2018



Chair Person  
SET 2018

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)

Principal

Note : Mother Teresa Women's University has issued the certificate based on the information provided by the candidate and his / her records / certificates have not been verified. The appointing authority should verify the original records / certificates of the candidates while considering him/her for appointment as the SET Agency is not responsible for the same. The candidate must complete UGC specified Master's Degree within Two years of date of SET if not completed already.



03-May-2018 | Ref No: 2014547 | File No: 1183 | Record No: 1887



SPEED-POST/REGISTERED

**वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्**  
मानव संसाधन विकास समूह, परीक्षा एकक  
**COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH**  
Human Resource Development Group, Examination Unit  
सी.एस.आई.आर. कॉम्प्लेक्स, लाइब्रेरी एवेन्यू रोड, पूसा, नई दिल्ली.110012  
CSIR Complex, Library Avenue Road, Pusa, New Delhi-110012

Sr.No. 3061142632  
Ref. No: 19-06/2011(i)EU-IV

Dated 02 / 12 / 2011

ROLLNO: 419451  
MS. R JANANI  
D/O R LATHA  
179 MASILAMANIPURAM  
THAMARAI NAGAR  
DINDIGUL TAMILNADU  
624005



**Sub: - Joint CSIR-UGC Test for Junior Research Fellowship and Eligibility for Lectureship (NET) held on 19-06-2011.**

Dear Candidate,

CSIR is pleased to inform you that you have been declared successful in the above examination and secured 0055/0374 rank in the subject **MATHEMATICAL SCIENCES** under **ELIGIBILITY FOR LECTURESHIP (NET) category only.**

The eligibility for Lectureship (NET) test is conducted on behalf of University Grants Commission, New Delhi and it will be governed by the rules/regulation of UGC in this regard. Your dossier has been forwarded to UGC, for further information in this regard you may contact at the address given overleaf.

While considering the fellowship /appointment, the Supervisor/Guide/Fellowship awarding Authority/Lectureship appointing Authority **must verify the original records/certificate of the candidate** regarding eligibility criterion & caste /PH/VH certificate (if applicable) for this test. The details regarding the eligibility criterion for this test is given overleaf.

This letter may be treated as a certificate

Kindly acknowledge the receipt

**Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
Palani Road, Dindigul - 624 002.**

Yours sincerely,

*Vlemin*

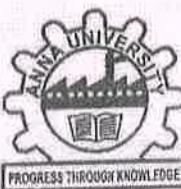
(O.P. DHAWAN)  
Deputy Secretary (Exam)

ओ. पी. धवन / O. P. DHAWAN  
उप सचिव / Deputy Secretary

उत्तर प्रदेश विद्युतीय अनुसंधान परिषद  
Council of Scientific & Industrial Research  
सी. एस. आई.आर. इंजीनियरिंग सेक्टर / CSIR - Engineering Sector, NCR  
हाईटेक एन्चु. पूरा, नई दिल्ली - 110067, INDIA.

E-mail: mailnetquery@gmail.com

# Anna University



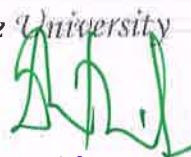
Reg.No. 20092042037/RG

The Syndicate of the Anna University hereby makes known that **SUNDARARAMAN K A** 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:*

**MODELING AND OPTIMIZATION OF MACHINING FIXTURE LAYOUT  
USING FEM, RSM AND EVOLUTIONARY TECHNIQUES**

*Given under the Seal of the University*



**Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)**  
**Principal**  
**SSM Institute of Engineering and Technology**  
**Kuttathupatti Village, Sindhalagundu (Po),**  
**Palani Road, Dindigul - 624 002**



Chennai 600 025  
India  
May 2017  
SUNDARARAMAN K A

*Controller of Examinations*  
SUNDARARAMAN K A

*Registrar*

*Chairman, Convener Committee  
Vice-Chancellor*



Reg.No. 20092072030/RG

The Syndicate of the Anna University hereby makes known that **SANTHOSH M** 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:

**SOME STUDIES ON VARIABLE COMPRESSION RATIO ENGINE FOR PERFORMANCE AUGMENTATION USING DIESEL AND BIODIESEL BLENDS**

Given under the Seal of the University



Dr.D.SENTHIL KUMARAN, M.E., PH.D.,(NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindlagundi(Po),  
Palani Road, Dindigul - 624 002

Chennai 600 025  
India  
January 2016

Controller of Examinations

# Anna University



Reg. No. 11130931004/R.G

The Syndicate of the Anna University hereby makes known that **ESWARAMOORTHY V** 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:*

CERTAIN EXPLORATIONS ON THE PERFORMANCE ANALYSIS OF ROUTING PROTOCOLS FOR MOBILE ADHOC NETWORKS USING COMPUTATIONAL INTELLIGENT AND NATURE INSPIRED TECHNIQUES



Given under the seal of the University  
D.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS),  
Principal

SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sivagangai Dist.,  
Tiruchendur Road, Dindigul - 624 032.

Chennai - 600025  
India  
December 2018

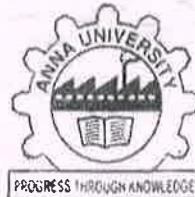
Controller of Examinations

Raman  
Registrar



A. M. Balaji  
Vice Chancellor

# Anna University



Reg.No. 20094022017/RG

The Syndicate of the Anna University hereby makes known that **SHUNMUGHAVEL V** 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:*

**CONCEPT BASED INFORMATION RETRIEVAL USING ONTOLOGY MAPPING & NATURAL LANGUAGE PROCESSING**

*Given under the Seal of the University*



**Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)**  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindagundu (P.O),  
Palani Road, Dindigul - 624 002



Chennai 600 025

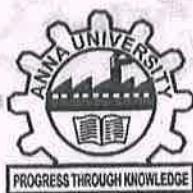
India

January 2016

Controller of Examinations 78

  
Registrar  
Vice-Chancellor

# Anna University



Reg.No. 17244797519/RG

The Syndicate of the Anna University hereby makes known that **NIVEDHITHA V** 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 2016".

*Title of the Thesis:*

**ENHANCING THE NETWORK LIFETIME USING HYBRID META-HEURISTIC BASED OPTIMIZATION TECHNIQUE IN WIRELESS SENSOR NETWORKS**

Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
\* Institute of Engineering and Technology  
Kupatti Village, Sindalagundu (Po),  
Road, Dindigul - 624 002,

Given under the Seal of the University



Chennai 600 025  
India  
July 2022  
SABOTAMS

P. Senthil Kumaran  
Controller of Examinations

J. M.  
Registrar

R. V. Vijay  
Vice-Chancellor



Ref. No. 10900531027/RG

The Syndicate of the Anna University hereby makes known that MOHAN BABU G 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:

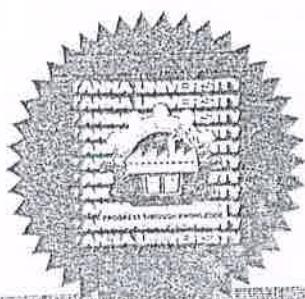
PERFORMANCE ANALYSIS OF DEMOSAICING TECHNIQUES AND LOSSLESS COMPRESSION FOR IMAGES

V. *[Signature]*

Head of the Department  
Department of Electrical & Electronics Engineering  
SSM Institute of Engineering & Technology  
Sindhalagundu Post, Sindhudur - 624002

Given under the Seal of the University

*Self attested  
M...*





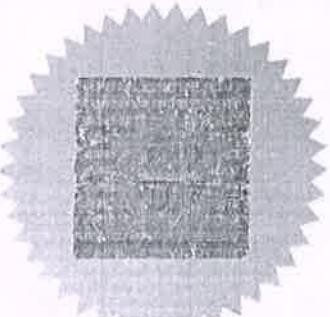
Reg. No. 2004319104/RG

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

*Title of the Thesis:*

**ANALYSIS AND CHARACTERIZATION OF SWITCHED RELUCTANCE MOTOR WITH SOFT MAGNETIC COMPOSITE MATERIAL**

*V. [Signature]*



Head of the Department  
Department of Electrical & Electronics Engineering  
SSM Institute of Engineering & Technology  
Sindhalagundu Post, Dindigul - 624002

*Given under the Seal of the University*

Chennai 600 025  
India  
November 2014

*T. [Signature]*  
Controller of Examinations

*S. [Signature]*  
Registrar

*V. [Signature]*  
Vice-Chancellor

# Anna University



Reg. No. 2012130018/RG



The Syndicate of the Anna University hereby makes known that BALAMURUGAN N 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 DYNAMIC PERFORMANCE ANALYSIS OF THREE PHASE INDUCTION MOTOR DRIVE USING ANTIWINDUP AND FUZZY GAIN SCHEDULING WITH VARIOUS CONTROLLERS

Given under the seal of the University



Chennai 600025  
India  
December 2018

*T. Raja*  
Controller of Examinations

*D. Kumar*  
Registrar

*V. Sathish*  
Head of the Department  
Department of Electrical & Electronics Engineering  
SSM Institute of Engineering & Technology  
Sindhalagundu Post, Dindigul - 624002

*M.K. Dharmalingam*  
Vice-Chancellor

# Anna University



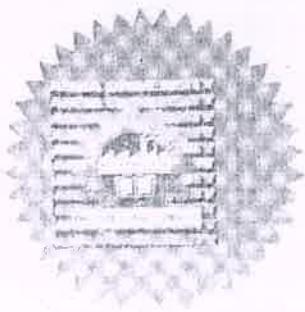
Reg. No. 20103012002/RG

The Syndicate of the Anna University hereby makes known that **BOOMA DEVI P** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Electrical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2016. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

**REACTIVE POWER COST MANAGEMENT IN WIND FARMS USING META-HEURISTIC SEARCH ALGORITHMS**

Given under the Seal of the University



V. *[Signature]*  
Head of the Department  
Department of Electrical & Electronics Engineering  
SSM Institute of Engineering & Technology  
Sindhalagundu Post, Dindigul - 624002

Chennai 600 025  
India

*[Signature]*  
Controller of Examinations

*[Signature]*  
Registrar

*[Signature]*  
Chairman Convener Committee



## ANNA UNIVERSITY::CHENNAI - 25

Department of Electronics and Communication Engineering  
SSM Institute of Engineering and Technology  
Dindigul - 624 002



Printed Date : 19-04-2021 08:46:13-am

DH : AR6

## Notification for Ph.D. Public Viva-Voce Examination

Name of the Scholar	Jeevanantham V
Registration Number	17134797196
Degree / Category	Ph.D. / Part Time
Faculty	Information and Communication Engineering
Title of the Thesis	CERTAIN INVESTIGATIONS ON GLIOMA BRAIN TUMOR DETECTION AND DIAGNOSIS USING EML, NHMM AND DEEP LEARNING ARCHITECTURE
Date and Time of Viva-Voce Examination	29.04.2021 & 10:00-am
Venue	Seminar Hall Department of Electronics and Communication Engineering SSM Institute of Engineering and Technology, Dindigul Tamilnadu - 624 002

## Name and Address of the Supervisor

Dr. Mohanbabu G  
Associate Professor  
Department of Electronics and Communication Engineering  
SSM Institute of Engineering and Technology  
Dindigul - 624 002  
Not Applicable

## Name and Address of the Joint Supervisor/Research Co-ordinator/Supervisor In-charge

All are cordially invited to attend the Ph.D. Public Viva-Voce Examination

## Online Meeting Details

<https://meet.google.com/hju-eylt-prmb>

Date : 19-04-2021

Place : SSM Institute of Engineering and Technology, Dindigul, Tamilnadu - 624 002

Signature of the Supervisor  
(Name, date and seal)**Dr. G. MOHANBABU**

Associate Professor

Department of ECE  
SSM Institute of Engg & Tech

Copy to : Dindigul - 624 002

Personal Secretary to Vice Chancellor, Anna University, Chennai - 25.

Personal Assistant to Registrar, Anna University, Chennai - 25.

The Controller of Examinations, Anna university, Chennai - 25.

The Additional Controller of Examinations, Anna university, Chennai - 25.

The Director, Centre for Research, Anna University, Chennai - 25.

The Director, Ramanujan Computing Centre, Anna University, Chennai - 25.

Dean / Director/ Principal of Government, Government Aided and Affiliated Engineering Colleges.

Signature of the Joint Supervisor  
Research Co-ordinator / Supervisor

In-charge

(Name, date and seal)  
(If applicable)Signature of the HoD/Director of the Centre of the Supervisor  
(Name, date and seal)**Dr. S. KARTHIKAI LAKSHMI**

Professor &amp; Head

Department of ECE

SSM Institute of Engg &amp; Tech

Dindigul - 624 002

*DR. D. SENTHIL KUMARAN, M.E., PH.D., (R&ampD)*

Principal

SSM Institute of Engineering and Technology

Kuttathupatu Village, Sindalagundu (Po),

Palani Road, Dindigul - 624 002.





Reg. No.:2003279103/RG

The Syndicate of the Anna University Chennai hereby makes known that SARAVANAN M 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 2008.

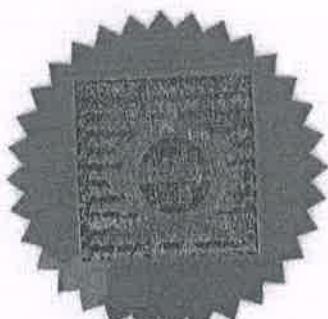
*Title of the thesis:*

SCATTER SEARCH ALGORITHMS FOR SCHEDULING OF VARIOUS MANUFACTURING SYSTEMS

A handwritten signature in black ink, appearing to read "Dr. D. Senthil Kumaran".

Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindhalagundu (Po),  
Palani Road, Dindigul - 624 002.

Given under the Seal of the University



Chennai 600 025  
India  
December 2008

V. Myers  
Controller of Examinations

J. Myers  
Registrar

R. Myers  
Vice-Chancellor



Reg.No.2011120011/RG



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

*Title of the Thesis:*

DEVELOPMENT OF MODELS AND SEARCH HEURISTICS FOR THE DESIGN OF CELLULAR MANUFACTURING SYSTEM ASSOCIATING SCHEDULING AND CROSS-FLOW

*Given under the seal of the University*

A handwritten signature in green ink, likely belonging to Dr. D. Senthil Kumaran, Principal.

Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu(Po),  
Palani Road, Dindigul - 624 002



Chennai 600025  
India  
December 2018

Controller of Examinations

SUBHA R

A handwritten signature in black ink, likely belonging to Dr. D. Senthil Kumaran, Controller of Examinations.

D Kumar  
Registrar

A handwritten signature in black ink, likely belonging to M.K. Odapalli, Vice-Chancellor.



Reg. No. 20092072002/RG

The Syndicate of the Anna University hereby makes known that **ANBARASU A** 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:*

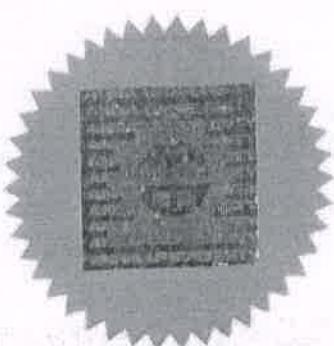
**EXPERIMENTAL INVESTIGATION ON METHYL ESTER OF COTTON SEED OIL - ETHANOL AND METHANOL BLENDS ON DIRECT INJECTION DIESEL ENGINE**

A handwritten signature in blue ink, appearing to read "Dr. D. Senthil Kumaran".

**Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (NUS)**  
Principal

SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindhalagundu (Po),  
Palani Road, Dindigul - 624 002.

*Given under the Seal of the University*



Chennai 600 025  
India  
November 2014

Controller of Examinations

Registrar

Vice-Chancellor



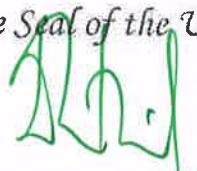
Reg.No. 20102012011/RG

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

*Title of the Thesis:*

**DESIGN AND OPTIMIZATION OF DIFFERENT TYPES OF LAYOUT PROBLEMS IN FLEXIBLE MANUFACTURING SYSTEM USING EVOLUTIONARY ALGORITHMS**

*Given under the Seal of the University*



Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
Palani Road, Dindigul - 624 002.



# Anna University



Reg.No.2011120015/RG



The Syndicate of the Anna University hereby makes known that PAUL SINGARAYAR 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:

SCHEDULING OF VARIOUS MANUFACTURING SYSTEMS USING METAHEURISTIC APPROACHES

Given under the seal of the University



Chennai 600025  
India  
December 2018

*D. Senthil Kumar*  
Controller of Examinations

*D. Senthil Kumar*  
Registrar

*M. R. Venkateswaran*  
Vice-Chancellor

*D. Senthil Kumar*  
Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindhalagundu (Po),  
Palani Road, Dindigul - 624 00x.



# ANNA UNIVERSITY

## CHENNAI - 600 025

### PROVISIONAL CERTIFICATE

Folio No.: PAR012237

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	:	GANESAN P
Registration Number	:	20102012010
Degree	:	Ph.D.
Department/Centre/Subject	:	MECHANICAL ENGINEERING
Faculty	:	MECHANICAL ENGINEERING
Date, Month & Year of Viva-Voce	:	
Examination held	:	05.04.2018
Title of the Thesis	:	INVESTIGATION OF MECHANICAL CHARACTERISTICS AND ABRASIVE WATER JET CUTTING OF AA2024-B <sub>4</sub> C-TIC HYBRID METAL MATRIX COMPOSITE

  
Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sind Jagundu (Po).  
Palani Road, Dindigul - 624 002

  
Controller of Examinations

Chennai - 600 025

Date : 16-MAY-18





CMJ UNIVERSITY

# CMJ UNIVERSITY

MEGHALAYA

Estd. 2009 under Section 2f of UGC Act 1956

BBC- 4094

Doctor of Philosophy (Ph.D.)  
2013

(Provisional Certificate)

This is to certify that the proposal for the Award Of Ph.D. Degree in the Subject Of  
Mathematics Under The Faculty of Science  
To Shri/Smt/Km. K. RENGA NA THAN  
(Registration No.) 80187910111893 Year 2010-2012  
On the Topic: "Enhanced Methods of Calculation  
In Real Quadratic Fields."

..... has been Awarded by the University as per UGC Gazette Notification.  
Dated 17<sup>th</sup> July 17<sup>th</sup> July 2009.

Shillong (Meghalaya)  
The 2nd March 2013



Registrar

Dr. D. SENTHIL KUMARAN  
ME.,Ph.D.(NUS),MISTE,MISLCA,FIE,  
PRINCIPAL

SSM Institute of Engineering and Technology  
Dindigul - Palani Highway, Dindigul - 624 002

# THE GANDHIGRAM RURAL INSTITUTE DEEMED UNIVERSITY

(Estd.u/s 3 of the UGC Act and fully funded by MHRD, Government of India)  
Re-accredited by NAAC with 'A' Grade

Serial No.50001



*The Board of Management of*  
**THE GANDHIGRAM RURAL INSTITUTE**  
*hereby confers the degree of*  
**DOCTOR OF PHILOSOPHY**

*on*

**AROCKIA PRABAKAR.G**

*[Son of S.George and G.Ugin Mary]*

*for having successfully completed the prescribed programme of study  
and presented the thesis titled*

**STUDY ON FRACTALS, SET VALUED FIXED POINT  
THEOREMS AND APPLICATIONS**

*(Date of Viva Voce: 27.01.2015)*

*Given this day the Twenty-ninth of January 2016*

**Dr. D. SENTHIL KUMARAN**  
ME.,Ph.D.(NUS),MISTE,MISLCA,FIE,  
PRINCIPAL  
SSM Institute of Engineering and Technology  
Dindigul - Palani Highway, Dindigul - 624 002

*Given under the Seal of the Institute*



Gandhigram - 624 302  
Tamilnadu  
Date: 29.01.2016

*M. Senthil Kumaran*  
Controller of Examinations

*S. Arumugam*  
Registrar

*S. Arumugam*  
Vice-Chancellor

THE GANDHIGRAM RURAL INSTITUTE - DEEMED UNIVERSITY

Re-Accredited by NAAC with 'A' Grade



Date: 04.11.2013

**PROVISIONAL CERTIFICATE**

*This is to certify that Mr.L. Ronald David  
has qualified himself / herself for the award of the degree  
of Doctor of Philosophy for his / her thesis titled*

**"The Novelist as Ethnic Chronicler: A Critical Study of the  
Jewish Novels of Leon Uris"**

*He/She completed his/her Viva-Voce on 25<sup>th</sup> October, 2013*

*Issued this day the 04<sup>th</sup> November, 2013.*



Gandhigram 624 302

Date: 04.11.2013

*Attested*

*M. D. Senthil Kumar*

**Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)**

**Principal**

**SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindugundu (Po),  
Palani Road, Dindigul - 624 002.**

Page 78 of 155



H 033305



Code No. 044EFT S.No. 662159

## பாரதிதாசன் பல்கலைக்கழகம் BHARATHIDASAN UNIVERSITY

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

### அறிவியல் பலம் FACULTY OF SCIENCE

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு மே 2012

ஆம் ஆண்டு ந. சம்பத்துமார் என்பவர்  
வேதியியல் பிரிவில் முனைவர் என்னும்  
பூ.த்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள் சான்றளித்தபடி  
முனைவர் என்னும் படித்ததை அவருக்குப் பல்கலைக்கழக  
இலச்சினோயாடன் வழங்குகிறது.

The Syndicate of the BHARATHIDASAN UNIVERSITY hereby makes  
known that N. SAMPATHKUMAR has been admitted  
to the Degree of DOCTOR OF PHILOSOPHY, in the subject  
CHEMISTRY, having been certified by duly  
appointed Examiners to be qualified to receive the same in  
MAY 2012.

#### Thesis Title

"GROWTH, CHARACTERISATION OF CHOLESTEROL CRYSTAL AND THE  
INHIBITION EFFECT OF CITRULLUS COLOCYNTHIS METABOLITES"

Self Attested

Given under the seal of the University.

திருச்சிப்பாளி  
Tiruchirappalli  
Date : 06th March 2013

Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindhalagundu (Po),  
Palani Road, Dindigul - 624 002.

பொறுப்பு பதிகரித்து  
பொறுப்பு பதிகரித்து

Ch  
Vice-Chancellor



Reg. No. : 1894

MRK 50002773

மதுரை காமராசர் பல்கலைக்கழகம்  
Madurai Kamaraj University  
UNIVERSITY WITH POTENTIAL FOR EXCELLENCE

FACULTY OF SCIENCE - CHEMISTRY  
அறிவியற் பிளம் மேஜ்மென்

2012 ஆம் ஆண்டில் மதுரை காமராசர் பல்கலைக்கழகத்தில்  
ஆய்வு திகழ்த்தி வழங்கிய ஆய்வேடு இக்காக 14-03-2012 நாளன்று முனைவர் பாட்டம்  
பெறத் தகுதியிடையவர் என்று தக்க தேர்வாளர்களால் சுருள்ளிக்கப்பட்டு  
சிங்கார் வாட்வேல், ச.

என்பவருக்கு முனைவர் பாட்டம் அளிக்கப்படுகிறது என்று மதுரை காமராசர் பல்கலைக்கழக  
ஆய்வு பேரவை அறிவிக்கின்றது.

மதுரை காமராசர் பல்கலைக்கழக இலக்கியாளர் மதுரையில் 2012 ஆம் ஆண்டு  
அக்டோபர் திங்கள் 20 ஆம் நாள் அளிக்கப்பட்டது.

The Senate of the Madurai Kamaraj University hereby makes known that  
SINGARA VADIVEL, S.

has been conferred the

DEGREE OF DOCTOR OF PHILOSOPHY

he / she having been certified by duly appointed Examiners to be qualified to receive  
the same as on 14-03-2012

Given under the seal of the Madurai Kamaraj University, at Madurai this  
20<sup>th</sup> day of October 2012

Title of the Thesis: "TRANSITION METAL COMPLEXES SENSITIZED  
NEAR-INFRARED (NIR) LUMINESCENCE FROM  
LANTHANIDE(III)-DIKETONATES".

Subject Area: CHEMISTRY

Self attested  
R. Ranga

திருமதியார்ஜு, மதுரை - 625 021  
Palkalai Nagar, Madurai - 625 021  
Date: 20-10-2014



Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal

SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindhalagundu (Po),  
Palani Road, Dindigul - 624 002



**FACULTY OF SCIENCE - PHYSICS**  
அறிவியற் கல்லூரி - இயற்பியல்

2015 ஆம் ஆண்டில் மதுரை காமராசர் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி வழங்கிய ஆய்வேட்டுக்காக 16-10-2015 நாளன்று முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க தேர்வாளர்களால் சான்றளிக்கப்பட்டு ஆப்ரகாம் ஹட்சன் மாற்கு, ஜா.

என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று மதுரை காமராசர் பல்கலைக்கழக அட்சிப் பேரவை அறிவிக்கின்றது.

மதுரை காமராசர் பல்கலைக்கழக இலச்சினையுடன், மதுரையில் 2016 ஆம் ஆண்டு

பிப்ரவரி திங்கள் 12 அம் நாள் அளிக்கப்பட்டது.

The Senate of the Madurai Kamaraj University hereby makes known that

**ABRAHAM HUDSON MARK, J.**

*has been conferred the*

## DEGREE OF DOCTOR OF PHILOSOPHY

*he / she having been certified by duly appointed Examiners to be qualified to receive the same as on 16-10-2015*

Given under the seal of the Madurai Kamaraj University, at Madurai this  
12<sup>th</sup> day of February 2016.

**Title of the Thesis : "SPECTRAL PROPERTIES OF SELENIUM BASED SOME II-VI SEMICONDUCTOR NANOSTRUCTURES".**



**Subject Area : PHYSICS**

NIUM BASED SOME II-VI  
TURES".

Dawn ✓



அண்ணா மலைப் பல்கலைக்கழகம்

ANNAMALAI UNIVERSITY



அறிவியற்புலம்  
FACULTY OF SCIENCE

ஆகஸ்டு, 2014 இல்

இயற்பியல்

பிரிவில் நடத்திய தேர்வுகளில்

ஸ்ரீ நித்ய நாரேஷனந்தா

ஒக்ஸ்சியட்டந்து ஆய்வேட்டை மதிப்பிட முறையாக அமைக்கப்பெற்ற தேர்வுக்குமுனினர் சான்றளித்தபடி,

இயற்பியல் அறிஞர்

பட்டம் பெறுவதற்கு உரியவர் ஆகின்றார்

என அண்ணா மலைப் பல்கலைக்கழக ஆட்சிக் குழு இதன்வழி அறிவிக்கின்றது.

The Syndicate of the ANNAMALAI UNIVERSITY hereby makes known  
that SRI NITHYA NARESHANANDA has been admitted to the  
Degree of DOCTOR OF PHILOSOPHY in PHYSICS,

he/she having been certified by duly appointed Board of Examiners who valued  
his/her thesis to be qualified to receive the same in AUGUST, 2014.

*TITLE OF THE THESIS*

THE EFFECTS OF SAWDUST ADDITION ON THE INSULATING CHARACTERISTICS OF FIRE BRICKS



பல்கலைக்கழக முத்திரை பெறுகின்றது  
Given under the seal of the University



அண்ணா மலைநகர்  
Annamalainagar

நாள்:  
திங்கள் 17/07/2014

Dr.D.SENTHIL KUMARAN, M.E., Ph.D. (NUB)

Principal

SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
Palani Road, Dindigul - 624 002.



Dr.K.Arunugram  
பதிவாளர் (பொறுப்பு)  
Registrar (i/c)