



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
**DIRECTOR**

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



**Lr.No.CFR/Ph.D./Admn/JAN/2024 /AR15**

**Date : 21-12-2023**

To  
Dr.Valliappan Raman  
Professor  
Department of Artificial Intelligence and Data Science  
Coimbatore Institute of Technology,  
Coimbatore - 641014

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 42.4.01 of the 42<sup>nd</sup> Research Board Meeting held on 28.11.2023

\*\*\*\*

I am to inform that **Ms.Kalaivani K** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Information and Communication Engineering** of Anna University, Chennai during **January 2024** session under your guidance.

Topic of Research: **LEVERAGING CONVOLUTION NEURAL NETWORK MODEL FOR DETECTION OF CERVICAL SPINE FRACTURE**

The Registration Number of the research scholar is **24244691269** and in all future correspondence quote "**24244691269/Ph.D./AR15**" as reference.

The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments made to the Regulations from time to time. The research scholar should complete the Semester Progress Report at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

21-12-2023  
for **DIRECTOR**

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.



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**Dr. C.UMARANI**  
**DIRECTOR**

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Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



**Lr.No.CFR/Ph.D./Admn/JAN/2024 /AR14**

**Date : 20-12-2023**

To  
Dr.Valliappan Raman  
Professor  
Department of Artificial Intelligence and Data Science  
Coimbatore Institute of Technology  
Coimbatore - 641 014

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 42.4.01 of the 42<sup>nd</sup> Research Board Meeting held on 28.11.2023

\*\*\*\*

I am to inform that **Ms.Sudha K** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Information and Communication Engineering** of Anna University, Chennai during **January 2024** session under your guidance.

Topic of Research: **A NOVEL APPROACH FOR EARLY PTSD DETECTION USING MACHINE LEARNING**

The Registration Number of the research scholar is **24244691379** and in all future correspondence quote "**24244691379/Ph.D./AR14**" as reference.

The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments made to the Regulations from time to time. The research scholar should complete the Semester Progress Report at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

*Gulam*  
20/12/2023

20-12-2023  
for **DIRECTOR**

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.



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CHENNAI - 600 025



**Dr. C.UMARANI**  
**DIRECTOR**

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Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



**Lr.No.CFR/Ph.D./Admn/JAN/2024 /AR15**

**Date : 20-12-2023**

To  
Dr.Valliappan Raman  
Professor  
Department of Artificial Intelligence and Data Science  
Coimbatore Institute of Technology  
Coimbatore - 641014

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 42.4.01 of the 42<sup>nd</sup> Research Board Meeting held on 28.11.2023

\*\*\*\*

I am to inform that **Ms.Janani N** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Information and Communication Engineering** of Anna University, Chennai during **January 2024** session under your guidance.

Topic of Research: **EARLY PREDICTION OF THE PRENATAL HYDRONEPHROSIS USING NETWORK MODEL SEGMENTATION OF ULTRASOUND IMAGES**

The Registration Number of the research scholar is **24244691216** and in all future correspondence quote "**24244691216/Ph.D./AR15**" as reference.

The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments made to the Regulations from time to time.The research scholar should complete the Semester Progress Report at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

*Gulam*  
20/12/2023

20-12-2023  
for **DIRECTOR**

To  
1. Individual.  
2. The Head of the Department / Director of the Centre.  
3. The Head of the Institution of the scholar.



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
**DIRECTOR**

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Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



**Lr.No.CFR/Ph.D./Admn/JAN/2024 /AR12**

**Date : 20-12-2023**

To  
Dr.Valliappan Raman  
Professor  
Department of Artificial Intelligence and Data Science  
Coimbatore Institute of Technology  
Coimbatore - 641 014

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 42.4.01 of the 42<sup>nd</sup> Research Board Meeting held on 28.11.2023

\*\*\*\*

I am to inform that **Ms.Shanmugapriyaa K R** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Information and Communication Engineering** of Anna University, Chennai during **January 2024** session under your guidance.

Topic of Research: **AUTOMATIC DETECTION OF BIRDS CALL AND CLASSIFICATION OF BIRDS SOUND USING DEEP CONVOLUTIONAL NEURAL NETWORKS WITH AUDIO DATASET**

The Registration Number of the research scholar is **24244691314** and in all future correspondence quote "**24244691314/Ph.D./AR12**" as reference.

The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments made to the Regulations from time to time. The research scholar should complete the Semester Progress Report at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

*Gulam*  
20/12/2023

20-12-2023  
for **DIRECTOR**

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

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Fax : +91-44-2225 1213  
Email : dirresearch@annauniversity.edu  
dirresearch@gmail.com



Lr.No.17231697174/Ph.D./AR18

Date : 9.10.2018

Sub : Ph.D. Programme –Mr./Ms.V Padma Poorani, Research Scholar – Confirmation - Orders  
- Issued.

Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JUL/2017 Dtd: 22.06.2017.  
2. Letter Dtd: 23.10.2018 from Dr.V.G.Srisanthi, Professor, Department of Civil Engineering  
Coimbatore Institute of Technology, Coimbatore

\*\*\*\*

The Provisional registration granted to Mr/Ms.V Padma Poorani to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Civil Engineering.

*L. K. J.*  
DIRECTOR 9/10/18  
*L. S.*  
30/10/18  
*P.P.*  
11/10/18

To  
Dr.V.G Srisanthi  
Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology,  
Coimbatore 641014

Copy to :

The Head  
Department of Civil Engineering  
Coimbatore Institute of Technology,  
Coimbatore 641014

Mr/Ms.V Padma Poorani, Research Scholar through the Supervisor Dr.V.G Srisanthi



Dr. R. JAYAVEL  
DIRECTOR

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
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dirresearch@gmail.com



Date : 28.06.2017

Lr.No.CR/Ph.D/Admn/JUL/2017

To  
Dr.V.G. Srisanthi  
Associate Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore - 641 014

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 29.06 of the 29th Research Board Meeting held on 13.06.2017

\*\*\*\*

I am to inform that **Mr./Ms. Anitha Rane R T** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of Civil Engineering of Anna University during JULY 2017 session under your guidance.

Topic of Research: **INVESTIGATION ON COLD FORMED STEEL SECTION**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **17241697118**.

In all future correspondence quote "**17241697118/Ph.D/JAR17**" - for reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

SP  
28/6/17  
cf  
28/6



Dr. R. JAYAVEL  
DIRECTOR

CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2225 7366/2235 0261  
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cfrresearch@gmail.com



Date : 28.06.2017

Lr.No.CR/Ph.D/JAdmn/JUL/2017

To  
Dr.V.G. Srisanthi  
Associate Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology,  
Coimbatore - 641014

To  
Admissionst  
COE +  
UMS

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 29.06 of the 29th Research Board Meeting held on 13.06.2017

\*\*\*\*

I am to inform that Mr./Ms. Jayanthimani E is permitted to register provisionally for Ph.D. programme as Part-Time scholar in the Faculty of Civil Engineering of Anna University during JULY 2017 session under your guidance.

Topic of Research: Earthquake Resistant Low Cost Building

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 17241697170.

In all future correspondence quote " 17241697170/Ph.D.JAR17 " - for reference. The research scholar will be governed by the " Regulations for Ph.D. Programme " of this University and any amendments are made to the Regulations from time to time.

*[Signature]*  
DIRECTOR 8/7/17

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*[Handwritten signatures]*



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. K.P. JAYA**  
DIRECTOR

Telephone : +91-44-2235 7300/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr.No.17241697173/Ph.D./AR18

Date : .10.2018

Sub : Ph.D. Programme –Mr./Ms.S Kavitha, Research Scholar – Confirmation - Orders - Issued.

- Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JUL/2017 Dtd: 23.06.2017.  
2. Letter Dtd: 12.10.2018 from Dr.V.G..Srisanthi, Professor, Department of Civil Engineering Coimbatore Institute of Technology, Coimbatore

\*\*\*\*

The Provisional registration granted to Mr/Ms.S Kavitha to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Civil Engineering.

*[Signature]*  
26/10.18  
DIRECTOR

*[Signature]*  
15/10/18

*[Signature]*  
26.10.18

To  
Dr.V.G. Srisanthi  
Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology,  
Coimbatore 641014

Copy to :

The Head  
Department of Civil Engineering  
Coimbatore Institute of Technology,  
Coimbatore 641014

→ Mr./Ms.S Kavitha, Research Scholar through the Supervisor Dr.V.G. Srisanthi





CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@annauniv.com



Date : 10.05.2019

Lr.No.18131691110/Ph.D./AR18

Sub : Ph.D. Programme - Mr./Ms.M Gowri Shankar, Research Scholar - Confirmation - Orders  
- Issued.

Ref : 1. This Office.Lr.No.CR/Ph.D./Admin/JAN/2018 Dtd: 12.12.2017.

2. Letter Dtd: 07.05.2019 from Dr.V.Nagarajan, Associate Professor, Department of Civil  
Engineering, Coimbatore Institute of Technology, Coimbatore 641014

\*\*\*

The Provisional registration granted to Mr./Ms.M Gowri Shankar to pursue Ph.D. Programme in this  
University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the  
research work as recommended by the Doctoral Committee constituted for the Research Scholar under  
the Faculty of Civil Engineering.

*[Signature]*  
DIRECTOR 10/5/19

*[Signature]*  
10/5/19

To  
Dr.V Nagarajan  
Associate Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore 641014

Copy to :

The Head/Director  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore 641014

Mr./Ms.M Gowri Shankar, Research Scholar through the Supervisor Dr.V Nagarajan

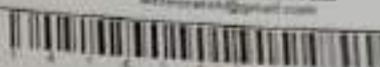


Dr. R. JAYAVEL  
DIRECTOR

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-84-2235 7360/2235 2561  
Fax : +91-84-2235 4214  
Email : [cfrc@annauniv.edu](mailto:cfrc@annauniv.edu)  
[cfrc@annauniv.edu](mailto:cfrc@annauniv.edu)



Date : 18.06.2018

Lr.No.CR/Ph.D./Admn/JUL/2018

To  
Dr. V. Nagarajan  
Associate Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore - 641014

Received on  
6/7/2018

Sub: Ph.D. Programme - Provisional Registration - Order - Issued.

Ref: Res. No. 31.06 of the 31st Research Board Meeting held on 25.05.2018

\*\*\*\*

I am to inform that Mr/Ms. Periyasamy L is permitted to register provisionally for Ph.D. programme as Part-Time scholar in the Faculty of Civil Engineering of Anna University during JULY 2018 session under your guidance.

Topic of Research: **Study On The Properties of Geopolymer Concrete Using Recycled Concrete Aggregates.**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **18141697105**.

In all future correspondence quote " **18141697105/Ph.D./AR11** " - for reference. The research scholar will be governed by the " Regulations for Ph.D. Programme " of this University and any amendments are made to the Regulations from time to time.

*The Director*  
DIRECTOR

6/7/18

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.



**CENTRE FOR RESEARCH**  
**ANNA UNIVERSITY**  
**CHENNAI - 600 095**



Telephone : +91-44-2235 7366/2235 0361  
 Fax : +91-44-2220 1213  
 Email : dirresearch@annauniv.edu  
 dirresearch@gmail.com

**Dr. K.P. JAYA**  
**DIRECTOR**



Date : 26.12.2018

Procs. No.19221691114/Ph.D./AR18

Sub: Ph.D. Programme – Mr./Ms. Vanathi V, Research Scholar – Constitution of Doctoral Committee –  
 Orders – Issued.

Ref: This office Lr.No.CR / Ph.D. / Admn /JAN/2019/ dated: 26.12.2018.

\*\*\*\*  
 Mr./Ms. Vanathi V has been granted provisional registration for Ph.D. Programme under the guidance of Dr. V Nagarajan vide reference cited. Accordingly a Doctoral Committee has been constituted comprising of the following members as required in the Clause 12.1 of Ph.D. Regulations.

- |  |                         |
|--|-------------------------|
| 1. Dr.V Nagarajan, Associate Professor (R.D)<br>Department of Civil Engineering<br>Coimbatore Institute of technology<br>Coimbatore - 641 014. | Supervisor/<br>Convener |
| 2. Dr. P. Eswaramoorthi, Professor<br>Department of Civil Engineering<br>Kumaraguru College of Technology, Coimbatore-641 049.                 | Member                  |
| 3. Dr. S. Thirugnanasambandam, Associate Professor<br>Department of Civil Engineering<br>Annamalai University, Chidambaram-608 002.            | Member                  |

The Doctoral Committee shall meet within 3 weeks from the date of receipt of this communication to prescribe course works to the scholar as per clause 13.1 of Ph.D. Regulation. The Meetings of the Doctoral Committee shall be informed to the Director (Research) and Head of the Department/Director of the Centre well in advance. The minutes of the meetings / any other communications should be forwarded by the respective Head of the Department/Director of the Centre.

The research scholar shall have a CGPA of 6.50 in the course works in order to become eligible for comprehensive examination. A pass in the comprehensive examination is required for the confirmation of Ph.D. Registration.

The Committee shall function as per rules of the Ph.D. regulations. Sitting Fee, TA / Conveyance shall be paid as per the norms. The Supervisor/ Convener shall convene the meeting of the Doctoral Committee and send the progress report periodically. As per Clause 6.4 "The Scholar, Supervisor, Doctoral Committee Members and Examiners shall not be relatives to each others".

*[Signature]*  
**DIRECTOR**  
*[Signature]*  
 26/12/18

To  
 The Supervisor  
 Copy to : All Members



Dr. R. JAYAVEL  
DIRECTOR

CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91 44 2235 7368/2235 0261  
Fax : +91 44 2271 1215  
Email : [drresearch@annauniv.edu](mailto:drresearch@annauniv.edu)  
[drresearch@gmail.com](mailto:drresearch@gmail.com)



Date : 21.06.2017

Lr.No.CR/Ph.D/Admn/JUL/2017

To  
Dr.R Sathyanarayan Sridhar  
Associate Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore - 641014

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 29.06 of the 29th Research Board Meeting held on 13.06.2017

I am to inform that Mr./Ms. Cyril Santhosh J is permitted to register provisionally for Ph.D. programme as Part-Time scholar in the Faculty of Civil Engineering of Anna University during JULY 2017 session under your guidance.

Topic of Research: Pavement Performance Modelling and Prioritization of Maintenance Strategies of Urban Roads in Coimbatore City

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfrc.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 17141637161.

In all future correspondence quote " 17141637161/Ph.D/JAR17 " - for reference. The research scholar will be governed by the " Regulations for Ph.D. Programme " of this University and any amendments are made to the Regulations from time to time.

  
DIRECTOR 28/6/17  
28/6/17  
28/6/17

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. C.UMARANI  
DIRECTOR

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Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr. No. 18141691135/Ph.D/JAR13

Date : 20/2/2024

To  
Dr. R.Sathyanarayan Sridhar  
Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore 641014

Sir/Madam,

Sub : Ph.D. Programme – Mr.P.Leeban Joseph, Research Scholar –  
Submission of Synopsis and Thesis Extension Order – Issued – Reg.

\*\*\*\*

It is informed that the research scholar Mr.P.Leeban Joseph, who had completed maximum period of 6 years as on 31.12.2023, has been granted one year extension up to 31.12.2024. Hence, the scholar shall be instructed to pay double the normal fees along with the semester progress report duly signed by the supervisor and HoD / Director of the supervisor.

However, the final six months grace period beyond 7 years shall be granted only if the scholar submits the synopsis within the period as mentioned above.

*[Signature]*  
20/2/2024  
DIRECTOR

Copy to :

*[Checkmark]*

Mr.P.Leeban Joseph, Ph.D. research scholar, through the supervisor Dr.R.Sathyanarayan Sridhar

*[Signature]*  
20/2/24

*[Signature]*  
20/2/24



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHIENNAI - 600 025



Dr. C.UMARANI  
DIRECTOR

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Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 18.03.2024

Procs.No.22121697137/Ph.DJAR13

Sub : Ph.D. Programme -Mr./Ms.U Balavignesh, Research Scholar - Confirmation - Orders -  
Issued.

- Ref : 1. This Office,Lr.No.CR/Ph.D./Admn/JUL/2022 Dtd: 27.06.2022.  
2. Letter Dtd: 12.03.2024 from Dr.R.Sathyannarayan Sridhar, Professor, Department of Civil  
Engineering, Coimbatore Instute of Technology, Coimbatore - 641014

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The Provisional registration granted to Mr./Ms.U Balavignesh to pursue Ph.D. Programme in this  
University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the  
research work as recommended by the Doctoral Committee constituted for the Research Scholar under  
the Faculty of Civil Engineering.

L. Kumar  
DIRECTOR  
18/3/24

To  
Dr.R Sathyannarayan Sridhar  
Professor  
Department of Civil Engineering  
Coimbatore Instute of Technology  
Coimbatore 641014

C. Sridhar  
16/3/24

18/3/24

Copy to :

1.The Head/Director  
Department of Civil Engineering  
Coimbatore Instute of Technology  
Coimbatore 641014

✓ 2.Mr./Ms.U Balavignesh, Research Scholar through the Supervisor Dr.R Sathyannarayan Sridhar



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. K.P. JAYA**  
DIRECTOR

Telephone : +91-44-2235 7366/2235 6381  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 16.02.2021

Procs. No.21221691109/Ph.DJAR18

Sub : Ph.D. Programme – Ms.Harini A, Research Scholar – Constitution of Doctoral Committee –  
Orders – Issued.

Ref : This office Lr.No.CR / Ph.D. / Admn /JAN/2021/ dated: 16.02.2021.

\*\*\*\*

Ms.Harini A has been granted provisional registration for Ph.D. Programme under the guidance of Dr.R.Sathyanarayan Sridhar vide reference cited. Accordingly a Doctoral Committee has been constituted comprising of the following members as required in the Clause 12.1 of Ph.D. Regulations.

- |  |                         |
|--|-------------------------|
| 1. <b>Dr.R.Sathyanarayan Sridhar, Professor</b><br>Department of Civil Engineering<br>Coimbatore Institute of Technology<br>Coimbatore - 641014                                | Supervisor/<br>Convener |
| 2. <b>Dr.K.C.Pazhani, Professor</b><br>Department of Civil Engineering<br>College of Engineering Guindy<br>Anna University, Chennai - 600 025                                  | Member                  |
| 3. <b>Dr.J.Prabakar, Senior Principal Scientist</b><br>Advanced Concrete Testing and Evaluation Laboratory<br>CSIR-Structural Engineering Research Centre<br>Chennai - 600 113 | Member                  |

The Doctoral Committee shall meet within 3 weeks from the date of receipt of this communication to prescribe course works to the scholar as per clause 13.1 of Ph.D. Regulations. The Meetings of the Doctoral Committee shall be informed to the Director (Research) and Head of the Department/Director of the Centre well in advance. The minutes of the meetings / any other communications should be forwarded by the respective Head of the Department/Director of the Centre of the Supervisor.

The research scholar shall have a CGPA of 7.00 in the course works in order to become eligible for comprehensive examination. A pass in the comprehensive examination is required for the confirmation of Ph.D. Registration.

The Committee shall function as per rules of the Ph.D. Regulations. Sitting Fee, TA / Conveyance to attend the Doctoral committee meetings shall be paid as per the norms. The Supervisor/ Convener shall convene the meeting of the Doctoral Committee and send the progress report periodically. As per Clause 6.4 "The Scholar, Supervisor, Doctoral Committee Members and Examiners shall not be relatives to one another".

*J. Mala*  
DIRECTOR/16/2/21.

To  
The Supervisor  
Copy to : All Members

*S. S. S.*  
16/2/2021



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
DIRECTOR

Telephone : +91-44-2235 2366/2235 0001  
Fax : +91-44-2220 1219  
Email : drresearch@annauniv.edu  
drresearch@gmail.com



Date : 16.05.2022

Lr.No.20231691123/Ph.D./AR13

Sub: Ph.D. Programme - Mr./Ms.B Kanmani, Research Scholar - Confirmation - Orders - Issued.

Ref: 1. This Office Lr No CR/Ph.D./Admin/JAN/2020 Dtd: 20.12.2019.  
2. Letter Dtd: 16.05.2022 from Dr.R.Saraswathi, Professor, Department of Civil Engineering, Coimbatore Institute of Technology, Coimbatore 641 014

The Provisional registration granted to Mr./Ms.B Kanmani to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Civil Engineering.

*C. Umarani*  
DIRECTOR

To  
Dr.R.Saraswathi  
Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore 641 014

Copy to :

The Head/Director  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore 641 014

Mr./Ms.B Kanmani, Research Scholar through the Supervisor Dr.R Saraswathi

*S. Sub*  
16/5/2022

*[Signature]*  
16/5/22



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
**DIRECTOR**

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr.No.21181697142/Ph.D./AR13

Date : 09.01.2023

Sub : Ph.D. Programme –Mr./Ms.J Sharpudin, Research Scholar – Confirmation - Orders - Issued.

- Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JUL/2021 Dtd: 15.09.2021.  
2. Letter Dtd: 01.12.2022 from Dr.R.Saraswathi, Professor, Department of Civil Engineering, Coimbatore Institute of Technology, Coimbatore - 641 014

\*\*\*

The Provisional registration granted to Mr/Ms.J Sharpudin to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Civil Engineering.

*T. Umami*  
DIRECTOR  
9/1/23

To  
Dr.R Saraswathi  
Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore 641 014

Copy to :

1. The Head/Director  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore 641 014

2. Mr./Ms.J Sharpudin, Research Scholar through the Supervisor Dr.R Saraswathi



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
DIRECTOR

Telephone +91 44 2235 7365/2235 0361  
Fax +91 44 2235 1213  
Email crresearch@annauniv.edu  
crresearch@gmail.com



Lr.No.22131691141/Ph.D./AR13

Date 20.01.2023

Sub : Ph.D. Programme -Mr./Ms.D Arul, Research Scholar - Confirmation - Orders - Issued.

Ref : 1. This Office.Lr.No.CR/Ph.D/JAdmn/JAN/2022 Dtd: 29.01.2022.

2. Letter Dtd: 19.01.2023 from Dr.M.P.MulhuraJ, Associate Professor, Department of Civil Engineering, Coimbatore Institute of Technology, Avinashi Road, Coimbatore - 641 014

....

The Provisional registration granted to Mr/Ms.D Arul to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Civil Engineering.

*L. K. Muthuraj*  
DIRECTOR

To  
Dr.M.P Muthuraj  
Associate Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology Avinashi Road,  
Coimbatore 641 014

*Muthuraj*

*B*

Copy to :

1.The Head/Director  
Department of Civil Engineering  
Coimbatore Institute of Technology Avinashi Road,  
Coimbatore 641 014

2.Mr./Ms.D Arul, Research Scholar through the Supervisor Dr.M.P Muthuraj



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : [cfrrsearch@annauniv.edu](mailto:cfrrsearch@annauniv.edu)  
[cfrrsearch@gmail.com](mailto:cfrrsearch@gmail.com)



Date : 26/02, 2022

Lr.No.CFR/Ph.D./Admn/JAN/2022

To  
Dr.M.P.Muthuraj  
Assistant Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore - 641 014

*Refer  
2/3/22*

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 38.4.01 of the 38<sup>th</sup> Research Board Meeting held on 19.01.2022

\*\*\*

I am to inform that **Ms.Bharathi C** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of Civil Engineering of Anna University, Chennai during January 2022 session under your guidance.

Topic of Research: **STUDIES ON MECHANICAL AND DURABILITY PROPERTIES OF GEOPOLYMER AGGREGATE CONCRETE**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **22241691111**.

In all future correspondence quote "22241691111/Ph.D./AR13" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*Dr. C. Umarani*  
26/2/22  
DIRECTOR

- To
1. Individual,
  2. The Head of the Department / Director of the Centre,
  3. The Head of the Institution of the scholar.

*Dr. C. Umarani*  
26/2/22



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
**DIRECTOR**

Telephone : +91-44-2235 7386/2235 0381  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr.No.22241691107/Ph.D./AR13

Date : 12.12.2022

Sub : Ph.D. Programme –Mr./Ms.V Nivetha, Research Scholar – Confirmation - Orders - Issued.

Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JAN/2022 Dtd: 01.02.2022.

2. Letter Dtd: 01.12.2022 from Dr.M.P.Muthuraj, Associate Professor, Department of Civil Engineering, Coimbatore Institute of Technology, Avinashi Road, Coimbatore - 641 014.

\*\*\*\*

The Provisional registration granted to Mr/Ms.V Nivetha to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the **Faculty of Civil Engineering**.

  
DIRECTOR

To  
Dr.M.P Muthuraj  
Associate Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology Avinashi Road,  
Coimbatore 641 014





Copy to :

1.The Head/Director  
Department of Civil Engineering  
Coimbatore Institute of Technology Avinashi Road,  
Coimbatore 641 014

2.Mr./Ms.V Nivetha, Research Scholar through the Supervisor Dr.M.P Muthuraj



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
**DIRECTOR**

Telephone : +91-44-2235 7388/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr.No.CFR/Ph.D/JAdmn/JUL/2022

To  
Dr.M P.Muthuraj  
Associate Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Avinashi Road, Coimbatore - 641 014

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 39.4.01 of the 39<sup>th</sup> Research Board Meeting held on 15.06.2022

\*\*\*\*

I am to inform that Ms.Dhivyapriya P is permitted to register provisionally for Ph.D. programme as Part-Time scholar in the Faculty of Civil Engineering of Anna University, Chennai during JULY 2022 session under your guidance.

Topic of Research: **STUDIES ON MODELLING FOR MECHANICAL AND DURABILITY PROPERTIES OF GEOPOLYMER CONCRETE**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 22231697132.

In all future correspondence quote "22231697132/Ph.D./AR13" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*f. Shobakini*  
27/6/22  
DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*BB*  
27/6/22



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. C.UMARANI  
DIRECTOR

Telephone : +91-44-2225 7365/2235 6361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 10/7/2023

Lr.No.CFR/Ph.D./Admn/JUL/2023

To  
Dr.M.P..Muthuraj  
Associate Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology,  
Avinashi Road, Coimbatore - 641014

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 41.4.01 of the 41<sup>st</sup> Research Board Meeting held on 10.06.2023

\*\*\*\*

I am to inform that **Mr.Senthil Naathan B** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of Civil Engineering of Anna University, Chennai during **JULY 2023** session under your guidance.

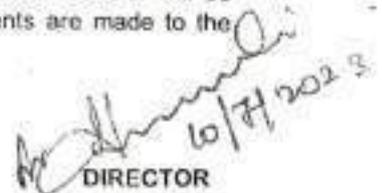
Topic of Research: **STUDIES ON SUSTAINABLE MATERIALS FOR CONCRETE IN 3D PRINTING**

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **23141697159**.

In all future correspondence quote "**23141697159/Ph.D./AR13**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

  
DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

17/07/2023



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
**DIRECTOR**

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 10/07/2023

Lr.No.CFR/Ph.D./Admn/JUL/2023

To  
Dr.P.Jagadesh  
Assistant Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore - 641014

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 41.4.01 of the 41<sup>st</sup> Research Board Meeting held on 10.06.2023

....

I am to inform that **Mr.Karthik K** is permitted to register provisionally for Ph.D. programme as Full-Time scholar in the Faculty of Civil Engineering of Anna University, Chennai during JULY 2023 session under your guidance.

Topic of Research: **INVESTIGATIONS ON THE PROPERTIES OF MEDIUM STRENGTH RECYCLED AGGREGATE FIBER CONCRETE WITH TITANIUM DIOXIDE AS A PARTIAL REPLACEMENT OF CEMENT**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 23141697108.

In all future correspondence quote "23141697108/Ph.D./AR13" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*[Handwritten Signature]*  
10/07/2023  
DIRECTOR

To  
1. Individual.  
2. The Head of the Department / Director of the Centre.

*[Handwritten Signature]*  
10/07/23

*[Handwritten Note]*  
File  
to  
08/08/2023



# COIMBATORE INSTITUTE OF TECHNOLOGY

(Government Aided Autonomous Institution)

(Affiliated to Anna University, Chennai & Approved by AICTE, New Delhi)

Established in 1956, A unit of V. Rangasamy Naidu Educational Trust

CIVIL AERODROME POST, COIMBATORE - 641 014, TAMILNADU, INDIA

CORRESPONDENT

Thiru S. RAJIV RANGASAMI M.Sc., MBA (USA)

PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.

18.01.2024

C/168B

## CIRCULAR

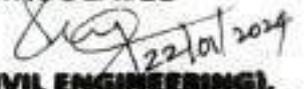
The list of Ph.D. Scholars (January 2024 Session) admitted in various Departments at our Institution is enclosed herewith. The concerned staff members are requested to note the same.

  
PRINCIPAL

Copy to  
Dean - Students Affairs  
Dean - R & D and Industry Collaboration  
All Heads of the Departments  
Ph.D. Supervisors.

  
18/01/2024

  
19/01/2024

**CIRCULATED**  
  
22/01/2024  
**NOD (CIVIL ENGINEERING),  
C. I. T., COIMBATORE - 641 014.**

COIMBATORE INSTITUTE OF TECHNOLOGY - 641 014

Ph.D Research Scholars - January 2024 Session

Research Scholar Name	Registration Number	Gender	Community	Full Time / Part Time	Faculty	Guide Name & Department	Date of Admission at CIT
Ms.C. Eyamin	2424691144	Female	BC	Part - Time	Electronics and Communication Engg	Dr.M.Rajalakshmi Information Technology	03.01.2024
Mr.Mohanraj Kanagaraj	21129681101 M.S. (By Research)	Male	SC	Part - Time	Electronics and Communication Engg	Dr.T.Balakumaran Electronics and Communication Engg	03.01.2024
Ms.R.Sasikala	24244691101	Female	BC	Part - Time	Information & Communication Engg	Dr.R.Nedunchezhian Computer Science & Engg	03.01.2024
Ms.P.Leela	24224691227	Female	SC	Full - Time	Information & Communication Engg	Dr.K.Amshakala Computer Science & Engg	04.01.2024
Mr.K.Jeevanandan	24141691141	Male	BC	Part - Time	Civil Engg	Dr.S. Shanmugapriya Civil Engg	05.01.2024

*[Handwritten Signature]*  
Principal

*[Handwritten Text]*  
Date: 03.01.2024

*[Handwritten Text]*  
Vice-Chancellor

*[Handwritten Signature]*  
15.01.2024



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. K.P. JAYA**  
DIRECTOR

Telephone : +91-44-2235 7365/2235 0361  
Fax : +91-44-2220 1213  
Email : [drresearch@annauniv.edu](mailto:drresearch@annauniv.edu)  
[drresearch@gmail.com](mailto:drresearch@gmail.com)



Procs. No.20141691142/Ph.D./AR18

Date : 20.12.2019

Sub : Ph.D. Programme – Mr.Ramesh Kumar G, Research Scholar – Constitution of Doctoral Committee – Orders – Issued.

Ref : This office Lr.No.CR / Ph.D. / Admn /JAN/2020V dated: 20.12.2019.

\*\*\*\*

Mr.Ramesh Kumar G has been granted provisional registration for Ph.D. Programme under the guidance of Dr.S.Anuselvan vide reference cited. Accordingly a Doctoral Committee has been constituted comprising of the following members as required in the Clause 12.1 of Ph.D. Regulations.

- |   |                         |
|---|-------------------------|
| 1. Dr.S.Anuselvan, Associate Professor<br>Department of Civil Engineering<br>Coimbatore Institute of Technology<br>Coimbatore - 641 014 | Supervisor/<br>Convener |
| 2. Dr.P.Eswaramoorthi, Professor<br>Department of Civil Engineering<br>Kumaraguru College of Technology<br>Coimbatore - 641 049         | Member                  |
| 3. Dr.D.Tensing, Professor<br>Department of Civil Engineering<br>Karunya University<br>Coimbatore - 641 114                             | Member                  |

The Doctoral Committee shall meet within 3 weeks from the date of receipt of this communication to prescribe course works to the scholar as per clause 13.1 of Ph.D. Regulations. The Meetings of the Doctoral Committee shall be informed to the Director (Research) and Head of the Department/Director of the Centre well in advance. The minutes of the meetings / any other communications should be forwarded by the respective Head of the Department/Director of the Centre of the Supervisor.

The research scholar shall have a CGPA of 7.00 in the course works in order to become eligible for comprehensive examination. A pass in the comprehensive examination is required for the confirmation of Ph.D. Registration.

The Committee shall function as per rules of the Ph.D. Regulations. Sitting Fee, TA / Conveyance to attend the Doctoral committee meetings shall be paid as per the norms. The Supervisor/ Convener shall convene the meeting of the Doctoral Committee and send the progress report periodically. As per Clause 6.4 "The Scholar, Supervisor, Doctoral Committee Members and Examiners shall not be relatives to one another".

To  
The Supervisor  
Copy to : All Members

*P. Jayaraman*  
*T. Krishna Kumar*  
DIRECTOR  
20/12/19



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

Telephone: +91-44-2235 7366/2235 0351  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 20.12.2019

Lr.No.CFR/Ph.DJAdmi/JAN/2020

To  
Dr.M.Kalaivani  
Assistant Professor  
Department of Civil Engineering  
K.S.Rangasamy College of Technology  
Tiruchengode, Namakkal - 637 215

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 34.09 of the 34<sup>th</sup> Research Board Meeting hold on 18.11.2019

\*\*\*

I am to inform that Ms.Sharmiladevi K is permitted to register provisionally for Ph.D. programme as Part-Time scholar in the Faculty of Civil Engineering of Anna University, Chennai during January 2020 session under your guidance.

Topic of Research: STRUCTURAL BEHAVIOUR OF HYBRID FIBRE REINFORCED CONCRETE USING WASTE FOUNDRY SAND

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 20231691134.

In all future correspondence quote "20231691134/Ph.DJAR18" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

- ✓ To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

*T. J. Jayaraj*  
DIRECTOR  
20/12/19



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

Telephone : +91-44-2235 7366-2235 0301  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 15.09.2021

Lr.No.CFR/Ph.D/JAdmn/JUL/2021

To  
Dr.S.Arulselvan  
Associate Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore - 641 014

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 37.06 of the 37<sup>th</sup> Research Board Meeting held on 16.08.2021

\*\*\*\*

I am to inform that Mr.Vijayakumar G is permitted to register provisionally for Ph.D. programme as Part-Time scholar in the Faculty of Civil Engineering of Anna University, Chennai during JULY 2021 session under your guidance.

Topic of Research: EFFECT OF THERMOSHOCK ON SEISMIC BEHAVIOUR OF RC BUILDING ELEMENTS,  
RC COLUMN-BEAM JOINTS AND THEIR STRENGTH ENHANCEMENT

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 21141697140.

In all future correspondence quote "21141697140/Ph.D./AR18" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*Jaya*  
15/9/21  
DIRECTOR

To  
1. Individual.  
2. The Head of the Department / Director of the Centre.  
3. The Head of the Institution of the scholar.

*J*  
15/09/21



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com

Lr.No.18241691125/Ph.D./AR18



Date : 26.03.2019

Sub : Ph.D. Programme - Mr./Ms.U Sindhu Vaardini, Research Scholar - Confirmation -  
Orders - Issued.

- Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JAN/2018 Dtd: 12.12.2017.  
2. Letter Dtd: 20.03.2019 from Dr.S.Shanmugapriya, Assistant Professor, Department of  
Civil Engineering Coimbatore Institute of Technology Coimbatore

....

The Provisional registration granted to Mr/Ms.U Sindhu Vaardini to pursue Ph.D. Programme in  
this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with  
the research work as recommended by the Doctoral Committee constituted for the Research Scholar  
under the Faculty of Civil Engineering.

*L. K. J.*  
DIRECTOR 26/3/19

*S. S.*  
25/3/19

*S. S.*  
26/3/19

*S. S.*  
26/3/19

To  
Dr.S Shanmugapriya  
Assistant Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore 641014

Copy to :

The Head  
Department of CIVIL Engineering  
Coimbatore Institute of Technology  
Coimbatore 641014

Mr./Ms.U Sindhu Vaardini, Research Scholar through the Supervisor Dr.S Shanmugapriya



# COIMBATORE INSTITUTE OF TECHNOLOGY

(Government Aided Autonomous Institution)

(Affiliated to Anna University, Chennai & Approved by AICTE, New Delhi)

Established in 1956, A unit of V. Rangasamy Naidu Educational Trust

CIVIL AERODROME POST, COIMBATORE - 641 014, TAMILNADU, INDIA

CORRESPONDENT

Thiru S. RAJIV RANGASAMI M.Sc., MBA (USA)

PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.

18.01.2024

C/168B

## CIRCULAR

The list of Ph.D. Scholars (January 2024 Session) admitted in various Departments at our Institution is enclosed herewith. The concerned staff members are requested to note the same.

  
PRINCIPAL

Copy to

Dean - Students Affairs

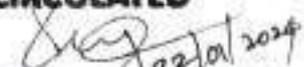
Dean - R & D and Industry Collaboration

All Heads of the Departments

Ph.D. Supervisors.

  
18/01/2024

  
18/01/2024

**CIRCULATED**  
  
22/01/2024  
**HOD (CIVIL ENGINEERING),  
C. I. T., COIMBATORE - 641 014.**

## COIMBATORE INSTITUTE OF TECHNOLOGY - 641 014

## Ph.D Research Scholars - January 2024 Session

Research Scholar Name	Registration Number	Gender	Community	Full Time / Part Time	Faculty	Guide Name & Department	Date of Admission at CIT
Ms.C. Eyamini	24249691144	Female	BC	Part -Time	Electronics and Communication Engg	Dr.M.Rajalakshmi Information Technology	03.01.2024
Mr.Mohanraj Kanagaraj	21129681101 M.S. (By Research)	Male	SC	Part - Time	Electronics and Communication Engg	Dr.T.Balakumaran Electronics and Communication Engg	03.01.2024
Ms.R.Sasikala	24244691101	Female	BC	Part - Time	Information & Communication Engg	Dr.R.Nedunchezian Computer Science & Engg	03.01.2024
Ms.P.Lesla	24224691227	Female	SC	Full - Time	Information & Communication Engg	Dr.K.Amshakala Computer Science & Engg	04.01.2024
Mr. K. Jeevanandan	24141691141	Male	BC	Part-Time	Civil Engg	Dr.S. Shanmugapriya Civil Engg	05.01.2024

*P. Rajas*  
Principal

*Dr. Shanmugapriya*

*Dr. Shanmugapriya*

Coimbatore Institute of Technology  
Coimbatore - 641 014



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

Telephone : +91-44-2235 7365/2235 0361  
Fax : +91-44-2220 1213  
Email : drresearch@annauniv.edu  
drresearch@gmail.com



Lr.No.18251691127/Ph.D./AR18

Date : 10.10.2018

Sub : Ph.D. Programme - Mr./Ms.B Sakhimol, Research Scholar - Confirmation - Orders -  
Issued.

- Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JAN/2018 Dtd: 19.12.2017.  
2. Letter Dtd: 26.09.2018 from Dr.V.G.Kalpna, Assistant Professor, Department of Civil  
Engineering Coimbatore Institute of Technology Coimbatore

\*\*\*

The Provisional registration granted to Mr/Ms.B Sakhimol to pursue Ph.D. Programme in this  
University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the  
research work as recommended by the Doctoral Committee constituted for the Research Scholar under  
the Faculty of Civil Engineering.

*[Signature]*  
DIRECTOR 10/10/18

*[Handwritten initials]*  
I.P. 09/10/18  
R.R. 09/10/18  
J

To  
Dr.V.G Kalpna  
Assistant Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore 641014

Copy to :

The Head  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore 641014

Mr./Ms.B Sakhimol, Research Scholar through the Supervisor Dr.V.G Kalpna



# CENTRE FOR RESEARCH

ANNA UNIVERSITY

CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date 29-09-2020

Lr.No.19291697163/Ph.D./AR18

Sub : Ph.D. Programme -Mr./Ms.KP Rusna, Research Scholar - Confirmation - Orders - Issued.

- Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JUL/2019 Dtd: 10.10.2019.  
2. Letter Dtd: 25.09.2020 from Dr.V.G.Kalpna, Assistant Professor, Department of Civil Engineering, Coimbatore Institute of Technology,Coimbatore 641 014

\*\*\*\*

The Provisional registration granted to Mr/Ms.KP Rusna to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Civil Engineering.

G. Mala.  
DIRECTOR 29/9/20.

S. S. S.  
29/9/2020

To  
Dr.V.G Kalpna  
Assistant Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore 641 014

Copy to :

The Head/Director  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore 641 014

Mr./Ms.KP Rusna, Research Scholar through the Supervisor Dr.V.G Kalpna



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. C.UMARANI  
DIRECTOR

Telephone : +91-44-2235 7355/2235 0351  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 29/09.2023

Lr.No.21121697132/Ph.D./AR13

Sub : Ph.D. Programme – Mr.A.Aswin Bharath, Research Scholar – Change of Supervisor -  
Orders - Issued.

Ref : 1.This Office Proceedings of even number Dtd: 15.09.2021.  
2. Letter Dtd: 09.09.2023 - from Mr.A.Aswin Bharath, Research Scholar, duly forwarded by  
the Supervisor and Head of the Department.

....

Under the circumstances stated in the reference 2<sup>nd</sup> cited, Dr.P.Jagadesh, Assistant Professor,  
Department of Civil Engineering, Coimbatore Institute of Technology, Coimbatore-641014 has been  
nominated as Supervisor in the place of Dr.T.Karthik Prabhu in respect of the Research Scholar  
Mr.A.Aswin Bharath.

Clause 8.9 of Ph.D. Regulation reads

"If change of Supervisor is approved, the scholar has to work for a minimum of one year with the  
new Supervisor and Synopsi shall be accepted only when the scholar has published atleast one  
journal publication (as applicable) with new Supervisor."

To  
Dr.P.Jagadesh  
Assistant Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore - 641014

*Jagadesh*  
29/9  
DIRECTOR

*G.S.R.*  
21/9/23  
*J.P.*  
21/9/23  
*V.M.S.*

Copy to :

- 1.The Head / Director, Department of Civil Engineering, Coimbatore Institute of Technology,  
Coimbatore - 641014
- ✓ 2.Dr. T.Karthik Prabhu, Assistant Professor, Department of Civil Engineering, Coimbatore Institute  
of Technology, Coimbatore-641 014 , (for information)
- 3.Dr.M Palanikumar,Professor,Department of Civil Engineering,PSG College of Technology,  
Coimbatore - 641 004 (for information).
- 4.Dr.M Muthukumar,Associate Professor,Structural and Geo Technical Engineering,Vellore  
Institute of Technology, Vellore, - 632 014 (for information).
- 5.Mr.A Aswin Bharath, Research scholar through the Supervisor Dr.P Jagadesh.



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. C.UMARANI  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 14/12/2022

Lr.No.CFR/Ph.D./Admn/JAN/2023

To  
Dr.P.Jagadesh  
Assistant Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore - 641 014

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 40.4.01 of the 40<sup>th</sup> Research Board Meeting held on 15.11.2022

I am to inform that Ms.Kalavani P is permitted to register provisionally for Ph.D. programme as Part-Time scholar in the Faculty of Civil Engineering of Anna University, Chennai during January 2023 session under your guidance.

Topic of Research: MECHANICAL AND DURABILITY PROPERTIES OF LIGHT WEIGHT CONCRETE WITH TERNARY MIXTURE OF CEMENT

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 23241691106.

In all future correspondence quote "23241691106/Ph.D./AR13" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

*Shobeen*  
DIRECTOR  
14/12/22

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

P.S.



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
**DIRECTOR**

Telephone : +91 44 2295 7366/2235 0361  
Fax : +91 44 2220 1213  
Email : [directres@annauniv.edu](mailto:directres@annauniv.edu)  
[directres@annauniv.edu](mailto:directres@annauniv.edu)



Procs. No.23141697103/Ph.D./AR13

Date : 10/07/2023

Sub : Ph.D. Programme – Mr.Karthik K, Research Scholar – Constitution of Doctoral Committee –  
Orders – Issued.

Ref : This office Lr.No.CR / Ph.D. / Admn /JUL/2023, dated: 10.07.2023.

\*\*\*\*

Mr.Karthik K has been granted provisional registration for Ph.D. Programme under the guidance of Dr.P.Jagadesh vide reference cited. Accordingly a Doctoral Committee has been constituted comprising of the following members as required in the Clause 12.1 of Ph.D. Regulations.

1. Dr.P.Jagadesh, Assistant Professor Department of Civil Engineering Coimbatore Institute of Technology Coimbatore - 641014	Supervisor/ Convener
2. Dr.Chithra R, Associate Professor Department of Civil Engineering Government College of Technology Coimbatore-641013	Member
3. Dr.Thirugnanasambandham S, Professor Department of Civil Engineering Annamalai University Cuddalore-608002	Member

The Doctoral Committee shall meet within 3 weeks from the date of receipt of this communication to prescribe course works to the scholar as per clause 13.1 of Ph.D. Regulations. The Meetings of the Doctoral Committee shall be informed to the Director (Research) and Head of the Department/Director of the Centre well in advance. The minutes of the meetings / any other communications should be forwarded by the respective Head of the Department/Director of the Centre of the Supervisor.

The research scholar shall have a CGPA of 7.00 in the course works in order to become eligible for comprehensive examination. A pass in the comprehensive examination is required for the confirmation of Ph.D. Registration.

The Committee shall function as per rules of the Ph.D. Regulations. Sitting Fee, TA / Convoynance to attend the Doctoral committee meetings shall be paid as per the norms. The Supervisor/ Convener shall convene the meeting of the Doctoral Committee and send the progress report periodically. As per Clause 6.4 The Scholar, Supervisor, Doctoral Committee Members and Examiners shall not be relatives to one another.

10/07/2023  
DIRECTOR

To  
The Supervisor  
Copy to : All Members

10/07/23



Printed Date : 28-06-2024 07:04:21-am

DH : AR6

Notification for Ph.D. Public Viva-Voce Examination

**Name of the Scholar** : Muthulakshmi S

**Registration Number** : 18244691271

**Degree / Category** : Ph.D. / Part-Time

**Faculty** : Information and Communication Engineering

**Title of the Thesis** : A NOVEL APPROACH FOR SECURE DATA SHARING THROUGH LIGHTWEIGHT BLOCKCHAIN BASED TECHNOLOGY IN IOT

**Date and Time of Viva-Voce Examination** : 26.07.2024 & 10.25-am

**Venue** : IT-212  
Information Technology Block  
Coimbatore Institute of Technology, Coimbatore  
6410014

**Name and Address of the Supervisor** : Dr.A.Kannammal  
Professor  
Department of Computing (Decision and Computing Sciences)  
Coimbatore Institute of Technology  
Coimbatore - 641 014

**Name and Address of the Joint Supervisor/Additional Supervisor/Research Co-ordinator/Supervisor In-charge** : Not Applicable

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

Date : 28-06-2024

Place : Coimbatore Institute of Technology, Coimbatore, 6410014

*Shannammal*  
Signature of the Supervisor  
(Name, date and seal)

Signature of the Joint Supervisor /  
Additional Supervisor / Research Co-  
ordinator / Supervisor In-charge  
(Name, date and seal)  
(if applicable)

*Shannammal*  
Signature of the HoD/Director of the Centre of the Supervisor  
(Name, date and seal)

*Dr. A. Kannammal*

*Dr. A. Kannammal*

**Dr. A. KANNAMMAL**  
Professor & Head

**Dr. A. KANNAMMAL**  
Professor & Head

Dept. of Computing (Decision and Computing Sciences)  
Coimbatore Institute of Technology  
Coimbatore - 641 014

*Pym*  
*28/6/2024*  
Head of the Institution of the Supervisor  
(Signature with name, date and seal)  
Dept. of Computing (Decision and Computing Sciences)  
Coimbatore Institute of Technology  
Coimbatore - 641 014

**Dr. A. RAJESWARI, M.E., Ph.D.,**

**PRINCIPAL**

**COIMBATORE INSTITUTE OF TECHNOLOGY**  
**COIMBATORE-641 014.**

Copy to :

- 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.





**BHARATHIAR UNIVERSITY**  
COIMBATORE - 641 046

Ph.D. REGISTRATION COMMUNICATION

Folio: B1/127/2016

Official Memorandum No. and Date	12622/B1/2016	Dated: 03-08-2016
Name of the Candidate	<b>MOHANRAJ E</b>	
Programme for which registered	Ph.D. Part-Time	
Subject	Management	
Department	Management	
Institution	Rathnavel Subramaniam College of Arts & Science, Sular	
Broad field of research	FINANCE	
Ph.D. Degree to be awarded in	Management	
Date of registration	01-07-2016	
Name and Designation of the Supervisor	DR.R.UMARANI ASSO.PROFESSOR Department of Management Rathnavel Subramaniam College of Arts & Science, Sular	
Qualifying examination passed (Degree and Branch)	M.B.A. M.PHIL. MANAGEMENT	
University	BHARATHIAR UNIVERSITY	
Exempted from appearing in Part I examinations	Exempted from appearing in Part-I:Paper I,II & III	
Time to appear in Part I examination during or after	NOT-APPLICABLE	
Time to successfully complete Part I examinations on or before (within 3 occasions - otherwise their registration will be cancelled)	NOT-APPLICABLE	
Time to submit thesis on or after	01-07-2019 (Minimum period) but on or before 30-06-2021 (Maximum period)	COMPUTER GENERATED STATEMENT NO SIGNATURE NEEDED

**REGISTRAR**

@ in addition, four extensions are granted with a duration of six months each.

Note: All the Candidates/Guides are advised to adhere to the regulation regarding DOCTORAL COMMITTEE which is furnished below. \*

To : The Candidate through Principal / Director / HOD.

Copy to: (1) The Guide through Principal

DR.R.UMARANI  
ASSO.PROFESSOR

Department of Management  
Rathnavel Subramaniam College  
of Arts & Science, Sular  
Coimbatore 641 402

(2) The Controller of Examinations, Bharathiar University.

**\* Doctoral Committee:**

For each research scholar, a three member doctoral committee consisting of guide and two experts from within Tamilnadu (one member is HOD) may be formed from the panel of experts submitted by the research supervisor through proper channel and the Vice-Chancellor will nominate the expert from the panel.

The committee will meet to review the progress of the candidate at least twice during the period of the research programme. The first meeting will be conducted if the candidate has cleared the Part-I exams and made some progress in the research work or identification of the research problem. The committee has to recommend for the conformation of registration. During the second meeting if the committee has satisfied with the research work of candidate, then the committee recommends for submission of the synopsis and thesis. [Ph.D. Modified Regulations (Jan.2012 onwards)]

*please collect the copy of the "instructions to the scholars" from the Principal.*



**BHARATHIAR UNIVERSITY**  
COIMBATORE - 641 046

Ph.D. REGISTRATION COMMUNICATION

Folio: B1/128/2016

Official Memorandum No. and Date	12622/B1/2016	Dated: 03-08-2016
Name of the Candidate	<b>SAKTHIVADIVEL M</b>	
Programme for which registered	Ph.D. Part-Time	
Subject	Management	
Department	Management	
Institution	Rathnavel Subramaniam College of Arts & Science, Sulur	
Broad field of research	FINANCE	
Ph.D. Degree to be awarded in	Management	
Date of registration	01-07-2016	
Name and Designation of the Supervisor	DR.R.UMARANI ASSO.PROFESSOR Department of Management Rathnavel Subramaniam College of Arts & Science, Sulur	
Qualifying examination passed (Degree and Branch) University	M.B.A. PERIYAR UNIVERSITY	
Exempted from appearing in Part I examinations	Shall appear for all three papers of M.Phil. Part I	
Time to appear in Part I examination during or after	JUNE /JULY 2017	
Time to successfully complete Part I examinations on or before (within 3 occasions - otherwise their registration will be cancelled)	NOV 2018 Shall appear for papers I,II & III	
Time to submit thesis on or after	01-07-2020 (Minimum period) but on or before 30-06-2022 (Maximum period)	
<i>(The candidate may submit synopsis three months before minimum period of submission of the thesis)</i>		COMPUTER GENERATED STATEMENT NO SIGNATURE NEEDED

**REGISTRAR**

@ in addition, four extensions are granted with a duration of six months each.  
Note: All the Candidates/Guides are advised to adhere to the regulation regarding DOCTORAL COMMITTEE which is furnished below. \*

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Copy to: (1) The Guide through Principal

DR.R.UMARANI  
ASSO.PROFESSOR

Department of Management  
Rathnavel Subramaniam College  
of Arts & Science, Sulur  
Coimbatore 641 402

(2) The Controller of Examinations, Bharathiar University.

**\* Doctoral Committee:**

For each research scholar, a three member doctoral committee consisting of guide and two experts from within Tamilnadu (one member is HOD) may be formed from the panel of experts submitted by the research supervisor through proper channel and the Vice-Chancellor will nominate the expert from the panel.

The committee will meet to review the progress of the candidate at least twice during the period of the research programme. The first meeting will be conducted if the candidate has cleared the Part-I exams and made some progress in the research work or identification of the research problem. The committee has to recommend for the conformation of registration. During the second meeting if the committee has satisfied with the research work of candidate, then the committee recommends for submission of the synopsis and thesis. [Ph.D. Modified Regulations (Jan.2012 onwards)]

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**BHARATHIAR UNIVERSITY**  
COIMBATORE - 641 046

Ph.D. REGISTRATION COMMUNICATION

Folio: B1/129/2016

Official Memorandum No. and Date	12622/B1/2016	Dated: 03-08-2016
Name of the Candidate	<b>SUBHA T</b>	
Programme for which registered	Ph.D. Part-Time	
Subject	Management	
Department	Management	
Institution	Rathnavel Subramaniam College of Arts & Science, Sulur	
Broad field of research	HUMAN RESOURCES	
Ph.D. Degree to be awarded in	Management	
Date of registration	01-07-2016	
Name and Designation of the Supervisor	DR.R.UMARANI ASSO.PROFESSOR Department of Management Rathnavel Subramaniam College of Arts & Science, Sulur	
Qualifying examination passed (Degree and Branch)	M.B.A. M.PHIL. MANAGEMENT	
University	BHARATHIAR UNIVERSITY	
Exempted from appearing in Part I examinations	Exempted from appearing in Part-I:Paper I,II & III	
Time to appear in Part I examination during or after	NOT-APPLICABLE	
Time to successfully complete Part I examinations on or before (within 3 occasions - otherwise their registration will be cancelled)	NOT-APPLICABLE	
Time to submit thesis on or after	01-07-2019 (Minimum period) but on or before 30-06-2021 (Maximum period)	COMPUTER GENERATED STATEMENT NO SIGNATURE NEEDED
<i>(The candidate may submit synopsis three months before minimum period of submission of the thesis)</i>		

@ in addition, four extensions are granted with a duration of six months each.

**REGISTRAR**

Note: All the Candidates/Guides are advised to adhere to the regulation regarding DOCTORAL COMMITTEE which is furnished below. \*

To : The Candidate through Principal / Director / HOD.

Copy to: (1) The Guide through Principal

DR.R.UMARANI  
ASSO.PROFESSOR

Department of Management  
Rathnavel Subramaniam College  
of Arts & Science, Sulur  
Coimbatore 641 402

(2) The Controller of Examinations, Bharathiar University.

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For each research scholar, a three member doctoral committee consisting of guide and two experts from within Tamilnadu (one member is HOD) may be formed from the panel of experts submitted by the research supervisor through proper channel and the Vice-Chancellor will nominate the expert from the panel.

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*please collect the copy of the "instructions to the scholars" from the Principal.*



**BHARATHIAR UNIVERSITY**  
COIMBATORE - 641 046

Ph.D. REGISTRATION COMMUNICATION

Folio: B1/130/2016

Official Memorandum No. and Date	12622/B1/2016	Dated: 03-08-2016
Name of the Candidate	<b>PRASANNA Y</b>	
Programme for which registered	Ph.D. Part-Time	
Subject	Management	
Department	Management	
Institution	Rathnavel Subramaniam College of Arts & Science, Sulur	
Broad field of research	HUMAN RESOURCES	
Ph.D. Degree to be awarded in	Management	
Date of registration	01-07-2016	
Name and Designation of the Supervisor	DR.R.UMARANI ASSO.PROFESSOR Department of Management Rathnavel Subramaniam College of Arts & Science, Sulur	
Qualifying examination passed (Degree and Branch)	M.B.A.	
University	BHARATHIAR UNIVERSITY	
Exempted from appearing in Part I examinations	Shall appear for all three papers of M.Phil. Part I	
Time to appear in Part I examination during or after	JUNE /JULY 2017	
Time to successfully complete Part I examinations on or before (within 3 occasions - otherwise their registration will be cancelled)	NOV 2018 Shall appear for papers I,II & III	
Time to submit thesis on or after	01-07-2020 (Minimum period) but on or before 30-06-2022 (Maximum period)	COMPUTER GENERATED STATEMENT NO SIGNATURE NEEDED
<i>(The candidate may submit synopsis three months before minimum period of submission of the thesis)</i>		

@ in addition, four extensions are granted with a duration of six months each.

**REGISTRAR**

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DR.R.UMARANI  
ASSO.PROFESSOR

Department of Management  
Rathnavel Subramaniam College  
of Arts & Science, Sulur  
Coimbatore 641 402

(2) The Controller of Examinations, Bharathiar University.

**\* Doctoral Committee:**

For each research scholar, a three member doctoral committee consisting of guide and two experts from within Tamilnadu (one member is HOD) may be formed from the panel of experts submitted by the research supervisor through proper channel and the Vice-Chancellor will nominate the expert from the panel.

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*please collect the copy of the "instructions to the scholars" from the Principal.*



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

| State University | Accredited With A\*\* Grade - 3.63 CGPA by NAAC | 15<sup>th</sup> Rank among Indian Universities by MoE-NIRF |

Ref. No.COE/Ph.D./2023/8049,

Date: 22/07/2023

**NOTIFICATION**

It is hereby notified that subject to ratification of the Syndicate of the University, after considering the reports of the duly constituted Board of Examiners on the thesis submitted and the Public Viva-Voce Examination taken by the undermentioned candidate for the award of Ph.D. Degree, has accepted and declared him/her qualified for the award of the Degree of Doctor of Philosophy (Ph.D.) of Bharathiar University with effect from 16/06/2023.

The Candidate may take the degree at the ensuing Convocation. The thesis can be published if the candidate so desires.

Name of the Candidate	: MOHANRAJ E
Name of the Guide	: Dr. R. Umarani Associate Professor Department of Decision and Computing Sciences Coimbatore Institute of Technology Coimbatore - 641 014.
Department	: Management
Institution	: RVS College of Arts and Science, Coimbatore
Subject	: MANAGEMENT
Faculty	: Social Sciences
Title of the Thesis	: Retail Investors' Behaviour on Investment Avenues: An Empirical Study in Coimbatore District
Date of Registration	: 01/07/2016
Mode of Research	: Part-time

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

To

The Candidate through the Head of the Department/Principal/Director  
The Registrar, Bharathiar University  
The Head of the Department concerned  
The Supervisor of the Candidate  
The University Librarian  
The Convocation Section  
File Copy



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

| State University | Accredited With A\*\* Grade - 3.63 CGPA by NAAC | 21<sup>st</sup> Rank among Indian Universities by MoE-NIRF |

Ref. No.COE/Ph.D./2023/7042

Date: 18/10/2023

**NOTIFICATION**

It is hereby notified that subject to ratification of the Syndicate of the University, after considering the reports of the duly constituted Board of Examiners on the thesis submitted and the Public Viva-Voce Examination taken by the undermentioned candidate for the award of Ph.D. Degree, has accepted and declared him/her qualified for the award of the Degree of Doctor of Philosophy (Ph.D.) of Bharathiar University with effect from 26/09/2023.

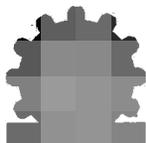
The Candidate may take the degree at the ensuing Convocation. The thesis can be published if the candidate so desires.

Name of the Candidate : SUBHA T  
Name of the Guide : Dr. R. Umarani  
Associate Professor  
Department of Decision and Computing Sciences  
Coimbatore Institute of Technology  
Coimbatore - 641 014.  
Department : Management  
Institution : Rathnavel Subramaniam College of Arts and Science, Coimbatore  
Subject : MANAGEMENT  
Faculty : Social Sciences  
Title of the Thesis : Job Characteristics and Organisational Citizenship Behaviour  
Influencing Job Satisfaction and Job Performance of Employees  
Working in Select IT and ITES Companies in Coimbatore  
Date of Registration : 01/07/2016  
Mode of Research : Part-time

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

To

The Candidate through the Head of the Department/Principal/Director  
The Registrar, Bharathiar University  
The Head of the Department concerned  
✓ The Supervisor of the Candidate  
The University Librarian  
The Convocation Section  
File Copy



# Centre For Research

ANNA UNIVERSITY, CHENNAI

**NOTE :**

## SCHOLAR DETAILS

S.NO	REGNO	NAME	DEGREE	FACULTY	REG YEAR	REG SESS	SUPERVISOR	STATUS
1	1523469566	Sree Rajeswari M	Ph.D.	Ice	2015	JUL	Supervisor	Confirmation completed
2	16143697201	Prakash N	Ph.D.	Elec	2016	JUL	Supervisor	Confirmation completed
3	1623469386	Sathya K	Ph.D.	Ice	2016	JAN	Supervisor	Confirmation completed
4	16244697472	Elavarasi Valentina Deenadayalan	Ph.D.	Ice	2016	JUL	Supervisor	Break of Study
5	17244691449	Saranya S	Ph.D.	Ice	2017	JAN	Supervisor	Confirmation completed
6	17244691470	Devi S	Ph.D.	Ice	2017	JAN	Supervisor	Confirmation completed

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[Home](#)



Dr. R. JAYAVEL  
DIRECTOR

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7566/2235 0361  
Fax : +91-44-2220 1213  
Email : [dirresearch@annauniv.edu](mailto:dirresearch@annauniv.edu)  
[dirresearch@gmail.com](mailto:dirresearch@gmail.com)



Date : 01.07.2015

Lr. No: SUPR/26<sup>th</sup>/DB

To  
Dr. Sangeetha M  
Associate Professor  
Department of Computer Science and Engineering  
Coimbatore Institute of Technology  
Coimbatore - 641014

Sir/Madam,

Sub : Ph.D./M.S. (By Research) Programme - Supervisor Recognition - Orders - Issued.  
Ref : Your application for Supervisor Recognition.

\*\*\*\*\*

I am by direction to inform that you are recognized as a Supervisor ( **Ref.No: 2640011** ) for guiding Ph.D. and M.S. (By Research) scholars of this University under the faculty of **Information and Communication Engineering**.

Area of Specialization: "**Software Engineering, Data Mining, Artificial Intelligence**"

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D./M.S. (By Research) regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

*Supervisors working in the recognized R&D Centre of Industries/non-recognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor.*

I request you to adhere strictly the regulations (available in <https://cfr.annauniv.edu/research/instructions.php>) when you start guiding scholars.

In all future correspondence quote **2640011** for reference.

*R. Jayavel*  
01/7/15  
DIRECTOR

Copy to: Head of the Department / Institution



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 08.09.2020

Lr. No: SUPR/34<sup>th</sup>/AR2

To  
Dr. Arul E  
Assistant Professor  
Information Technology  
Coimbatore Institute of Technology  
Coimbatore-641014

Sir/Madam,

Sub : Ph.D.Programme - Supervisor Recognition - Orders - Issued.  
Ref : Your application for Supervisor Recognition.

\*\*\*\*\*

I am by direction to inform that you are recognized as a Supervisor ( Ref.No: 3640005 ) for guiding Ph.D. scholars of this University under the faculty of Information and Communication Engineering.

Area of Specialization: "CYBER SECURITY"

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D.regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

*Supervisors working in the recognized R&D Centre of Industries/non-recognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor.*

I request you to adhere strictly the regulations (available in <https://cfr.annauniv.edu/research/instructions.php> ) when you start guiding scholars.

In all future correspondence quote 3640005 for reference.

*K. P. Jaya*  
8/9/2020  
DIRECTOR

Copy to:

The Head  
Information Technology  
Coimbatore Institute of Technology  
Coimbatore-641014

*G. J. J.*  
08/09/2020

# Anna University



Reg. No.1624769187/RG

The Syndicate of the Anna University hereby makes known that **JAYANTHI D** 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 **2022**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

**OUTER CONNECTED GEODETIC SETS AND RELATED PARAMETERS IN GRAPHS**

*Given under the seal of the University*



Chennai 600025  
India  
September 2023

*P. Subramanian*  
Controller of Examinations

*Doce*  
Registrar

*R. V. Vijay*  
Vice-Chancellor

# Anna University



Reg. No.17137697180/RG



The Syndicate of the Anna University hereby makes known that **MURUGAN M** 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 **2023**. The degree has been awarded in compliance with the **"University Grants Commission, Regulations 2016"**.

*Title of the Thesis:*

**TOTAL MONOPHONIC SETS AND RELATED PARAMETERS IN GRAPHS**

*Given under the seal of the University*

8024201



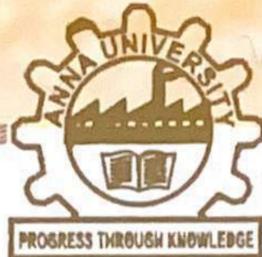
Chennai 600025  
India  
September 2023

*P. Senthilvel*  
Controller of Examinations

*D. S. S.*  
Registrar

*R. V. Vijay*  
Vice-Chancellor

# Anna University



Reg. No.1625769164/RG



The Syndicate of the Anna University hereby makes known that **SHYNI U 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 **2023**. The degree has been awarded in compliance with the **“University Grants Commission, Regulations 2009”**.

*Title of the Thesis:*

**MATHEMATICAL MODELING AND OPTIMAL CONTROL OF CANDIDA AURIS INFECTION TRANSMISSION IN INTENSIVE CARE UNITS**

*Given under the seal of the University*



Chennai 600025  
India  
September 2023  
TAH07120

*P. Senthil Kumar*  
Controller of Examinations

SHYNI U K

*D. S. Senthil Kumar*  
Registrar

*R. V. Vijay*  
Vice-Chancellor

64211103740704000000000000000000



SI.No: MJ **1034654**

Read by	<i>C. Sarala</i>
Verified by	<i>M. Princy</i>

# Anna University

Reg No. 1724309717380



The Syndicate of the Anna University hereby makes known that **NANDHINI M** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY**, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2024**. The degree has been awarded in compliance with the *University Grants Commission, Regulations 2016*.

*Title of the Thesis:*

**MATHEMATICAL MODELING AND OPTIMAL CONTROL ON TRANSMISSION DYNAMICS OF COVID-19 PANDEMIC**

*Given under the Seal of the University*



Chennai 600 025  
India  
October 2024

*P. Subbimal*  
Controller of Examinations

*Dr. Anon*  
Registrar

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

**EXPERIMENTAL STUDIES ON EFFECT OF  
ORIENTATION OF TUBES ON PERFORMANCE  
OF SHELL AND TUBE HEAT EXCHANGERS**

**A THESIS**

*Submitted by*

**SAM SOLOMON D P**

*In partial fulfillment of the requirements for the degree of*

**DOCTOR OF PHILOSOPHY**



**FACULTY OF MECHANICAL ENGINEERING  
ANNA UNIVERSITY  
CHENNAI 600 025**

**APRIL 2022**

**INVESTIGATIONS ON MECHANICAL  
CHARACTERISTICS OF NANO-SILICA  
REINFORCED AA2024T3/E-GLASS/EPOXY  
FIBER METAL LAMINATE COMPOSITE**

**A THESIS**

*Submitted by*

**VIJAYAN M**

*in partial fulfillment of the requirements for the degree of*

**DOCTOR OF PHILOSOPHY**



**FACULTY OF MECHANICAL ENGINEERING**

**ANNA UNIVERSITY**

**CHENNAI 600 025**

**SEPTEMBER 2023**



Dr. R. JAYAVEL  
DIRECTOR

CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : [cfresearch@annauniv.edu](mailto:cfresearch@annauniv.edu)  
[cfresearch@gmail.com](mailto:cfresearch@gmail.com)



Date : 26.12.2016

Lr.No.CR/Ph.D./Admn/JAN/2017

To  
Dr.K V Hemalatha  
Assistant Professor  
Department of Chemistry  
Coimbatore Institute of Technology  
Coimbatore - 641014

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.  
Ref : Res. No. 28.09 of the 28th Research Board Meeting held on 30.11.2016

\*\*\*\*

I am to inform that Mr./Ms. Summaya Banu B is permitted to register provisionally for Ph.D. programme as Full-Time scholar in the Faculty of Science and Humanities of Anna University during JANUARY 2017 session under your guidance.

Topic of Research: Fluorescent Chemosensor for detection of metal ions in environmental system

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 17287691186.

In all future correspondence quote " 17287691186/Ph.D./AR12 " - for reference. The research scholar will be governed by the " Regulations for Ph.D. Programme " of this University and any amendments are made to the Regulations from time to time.

To  
1. Individual.  
2. The Head of the Department / Director of the Centre.

  
DIRECTOR  
26/12/16  




Dr. R. JAYAVEL  
DIRECTOR

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7364/2235 0361  
Fax : +91-44-2220 1213  
Email : [dirresearch@annauniv.edu](mailto:dirresearch@annauniv.edu)  
[dirresearch@gmail.com](mailto:dirresearch@gmail.com)



Date : 08.02.2016

Lr.No.CR/Ph.D./Admn/Jan/2016

To  
Dr.K.V Hemalatha  
Assistant Professor  
Department of Chemistry  
Coimbatore Institute of Technology  
Coimbatore - 641014

To  
ADMISSIONS  
- COE  
- 10

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 26.03 of the 26th Research Board Meeting held on 22.01.2016

----

I am to inform that **Mr./Ms. Sornalatha M** is permitted to register provisionally for Ph.D. programme as **Full-Time** scholar in the Faculty of **Science and Humanities** of Anna University during Jan 2016 session under your guidance.

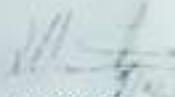
Topic of Research: **Synthesis, Characterization of novel N-branched, Hyper-branched polymers for Energy Storage Application**

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee

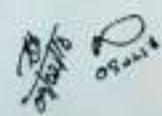
The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **1624769180**.

In all future correspondence quote \* **1624769180/Ph.D./AR12** \* - for reference. The research scholar will be governed by the \* Regulations for Ph.D. Programme \* of this University and any amendments are made to the Regulations from time to time.

  
DIRECTOR

To  
1 Individual





Dr. R. JAYAVEL  
DIRECTOR

CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0381  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 29.06.2016

Lr.No.CR/Ph.D./Admin/JUL/2016

To  
Dr. K V Hemalatha  
Assistant Professor  
Department of Chemistry  
Coimbatore Institute of Technology  
Coimbatore - 641014

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 27.06 of the 27th Research Board Meeting held on 26.05.2016.

\*\*\*

I am to inform that **Mr./Ms. Kiruthika P** is permitted to register provisionally for Ph.D. programme as **Full-Time** scholar in the Faculty of **Science and Humanities** of Anna University during JUL 2016 session under your guidance.

Topic of Research: **COMPETITIVE SORPTION OF FUNCTIONALIZED SCHIFF-BASE CONDUCTING POLYMERS**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **16127697169**.

In all future correspondence quote " **16127697169/Ph.D./AR12** " - for reference. The research scholar will be governed by the " Regulations for Ph.D. Programme " of this University and any amendments are made to the Regulations from time to time.

*T. Hemalatha*  
29/6/16  
DIRECTOR

*[Signature]*  
29/6/16

To  
1. Individual,  
2. The Head of the Department / Director of the Centre.



Dr. R. JAYAVEL  
DIRECTOR

CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 29.06.2016

Lr.No.CR/Ph.D./Admn/JUL/2016

To  
Dr.K V Hemalatha  
Assistant Professor  
Department of Chemistry  
Coimbatore Institute of Technology  
Coimbatore - 641014

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 27.06 of the 27th Research Board Meeting held on 26.05.2016

\*\*\*

I am to inform that **Mr./Ms. Yogapriya S** is permitted to register provisionally for Ph.D. programme as **Full-Time** scholar in the Faculty of **Science and Humanities** of Anna University during JUL 2016 session under your guidance.

Topic of Research: **SYNTHESIS OF GRAPHENE COMPOSITES FOR ELECTRODE MATERIALS IN BATTERIES**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **16237697173**.

In all future correspondence quote " **16237697173/Ph.D./AR12** " - for reference. The research scholar will be governed by the " Regulations for Ph.D. Programme " of this University and any amendments are made to the Regulations from time to time.

*T. Jayavel*  
29/6/16  
DIRECTOR

To  
1. Individual.  
2. The Head of the Department / Director of the Centre.

*ADP*  
29/6/16  
*[Signature]*  
29/6



பரதீயார் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் பீடம்  
FACULTY OF SCIENCE

பரதீயார் பல்கலைக் கழகத்தின் குடிமகன் அமைதிக்கரசி, திருச்சி, தமிழ்நாடு, 2019 ஆம் ஆண்டு ஜூன் 17-ஆம் திகதி இயற்றியவர்: வகை: பீடப் பட்டம்  
அறிவியல் அறிவுத் துறை, பி.ஓ.பி. பீடம், தருமபுரம் கிளையகம், \* அமைதிக்கரசி, திருச்சி, தமிழ்நாடு, 600 009, இந்தியா. பீடப்பதி: 177, தருமபுரம், திருச்சி, தமிழ்நாடு, 600 009, இந்தியா.  
பரதீயார் பல்கலைக் கழக ஆட்சித் துறை அலுவலகம்

The Graduate of the Bharathiar University hereby avails of the **VENNELA A B**  
has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** in **PHYSICS**,  
having been certified by duly appointed Examiners as he qualified to receive the same on **17th JULY 2019**.

Gives under the Seal of the University.



சென்னைப் பல்கலைக் கழகம்  
சென்னை  
600 009

Date: 18th December 2019, Controller of Examinations (C)

*[Signature]*  
Controller of Examinations (C)

*[Signature]*  
Registrar (C)

*[Signature]*  
General Secretary  
Vice-Chancellor



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால் முடிவான அமைக்கப்பட்ட தேர்வரை குடி-  
விலிய ம, 2010 ஆம் ஆண்டு, பிப்ரவரி 18 ஆம் தாள் இயற்பியல் சங்கீதம் பிளீஸ்  
ஆய்வியல் அறிஞர் எல்லாம் பட்டம் பெற்ற தலைவையாட்களையுடைய சான்றிதழை  
என்று அவருக்கு அந்தப் பட்டத்தைப் பரணைக் கடித மூலம் மூலம் மூலம்  
பாரதியார் பல்கலைக் கழக ஆட்சித் துறை மூலம் மூலம்

The Syndicate of the Bharathiar University hereby notify that VIJAY M has been admitted to the Degree of DOCTOR OF PHILOSOPHY in PHYSICS, having been certified by duly appointed Examiners to be qualified to receive the same on 18th FEBRUARY 2010.



கொம்பஓர்  
Coimbatore  
Date: 15th July 2010

Given under the Seal of the University.



K. G. Senthirapalan  
Controller of Examinations

பதிவரை  
Registrar

கலைவரை  
Vice-Chancellor

C No 246273



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் புலம்

FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு, முத்துமரபாமி ந. 2006-ஆம் ஆண்டு, அக்டோபர் 28-ஆம் தாளில் இயற்பியல் என்றும் பி.சி.வில் ஆய்வியல் அறிஞர் என்றும் ஆண்டு, அக்டோபர் 28-ஆம் தாளில் இயற்பியல் என்றும் பி.சி.வில் ஏற்று, அலகுக்கு அந்தப் பெறத் தகுதியுடையதற்காகச் சான்றளித்ததை இலக்கியையுடல், பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகிறது.

The Syndicate of the Bharathiar University hereby notifies that MUTHUKUMARASAMY N has been admitted to the Degree of DOCTOR OF PHILOSOPHY in PHYSICS, having been certified by duly appointed Examiners to be qualified to receive the same on 28th OCTOBER 2006.



Given under the Seal of the University.

கொயம்புத்தூர்  
Coimbatore  
நாடு  
India



Dated: 22nd January 2007

1/11/07

Controller of Examinations i/c

செ.வருணசுவாமி (CUEI)

கொயம்புத்தூர்  
Coimbatore  
நாடு  
India

பதிவுரைவர்

Registrar

செ.வருணசுவாமி

Vice-Chancellor

C No: 096461

संख्यांक 06/09332  
Enrolment No.

## जय नारायण व्यास विश्वविद्यालय जोधपुर

( पूर्व जोधपुर विश्वविद्यालय )

प्रमाणित किया जाता है कि

बालराज पी.

पुत्र/पुत्री श्रीमती अरकानी

एवं श्री पलानीसामी

ने इस विश्वविद्यालय से 2009 में

### डॉक्टर ऑफ फिलॉसॉफी

भौतिक विज्ञान

की उपाधि प्राप्त की

शोध-प्रबन्ध का विषय निम्नलिखित था

ELECTRICAL AND PHOTOVOLTAIC

PROPERTIES OF ORGANIC BULK HETERO-  
JUNCTIONS

### JAI NARAIN VYAS UNIVERSITY JODHPUR

( ERSTWHILE UNIVERSITY OF JODHPUR )

This is to certify that

BALRAJU P.

Son/Daughter of Smt. ARUKANI

and Shri. PALANISAMY

obtained the degree of

### DOCTOR OF PHILOSOPHY

PHYSICS

of this University in 2009

The topic of his/her research was

ELECTRICAL AND PHOTOVOLTAIC

PROPERTIES OF ORGANIC BULK HETERO-  
JUNCTIONS

PH

Vice-Chancellor

वाइस-चान्सेलर

Conferred by Senate on 17 MAR 2010



*PH*

नमूना 06/9460  
Enrollment No.

# जय नारायण व्यास विश्वविद्यालय जोधपुर

(पूर्व जोधपुर विश्वविद्यालय)

प्रमाणित किया जाता है कि  
सुरेश पी

पुत्र/पुत्री श्रीमती कृष्णावेंनी पी  
एवं श्री पण्णुसायी के

ने इस विश्वविद्यालय से 2009 में

## डॉक्टर ऑफ फिलॉसॉफी

भौतिक विज्ञान

की उपाधि प्राप्त की

शोध-प्रबन्ध का विषय निम्नलिखित था  
INVESTIGATION OF PHOTOVOLTAIC  
DEVICES BASED ON HYBRID INORGANIC  
-ORGANIC BLENDS

## JAI NARAIN VYAS UNIVERSITY JODHPUR

(EARLYTIME UNIVERSITY OF JODHPUR)

This is to certify that

SURESH, P.  
Son/Daughter of Smt. KRISHNAVENI, P.  
and Shri. PONNUSAMY, K.

obtained the degree of  
**DOCTOR OF PHILOSOPHY**

PHYSICS  
of this University in 2009

The topic of his/her research was

INVESTIGATION OF PHOTOVOLTAIC  
DEVICES BASED ON HYBRID INORGANIC  
-ORGANIC BLENDS

Vice-Chancellor  
सह-कायस्थ

Conferred by Senate on





பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் திணை  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால்	முயற்சி	அனுமதிக்கப்பட்ட	பெற்ற
விவரம்: 2007 ஆம் ஆண்டு, மார்ச் 7 ஆம்	நாள்	நாள்	நாள்
அறிவுரை அறிஞர்	எம்.ஏ.எம்.	பெ.பெ.	பெ.பெ.
பெயர்: அனந்தசுந்தரன்	அறிவுரை	பெ.பெ.	பெ.பெ.
பாரதியார் பல்கலைக் கழக ஆட்சித் துறை	பெ.பெ.	பெ.பெ.	பெ.பெ.

The Graduate of the Bharathiar University hereby make known that  
has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** in **PHYSICS**,  
having been certified by duly appointed Examiners to be qualified to receive the same on **7th MARCH 2007**.

Given under the Seal of the University.



செயலகம்  
கொழும்பு  
தமிழ்நாடு

மு.க.சிவசுந்தரன்  
Date: 8th February 2008  
Controller of Examinations

43  
Registrar

43  
Wice-Chancellor

C No 130834

Reg. No. 05PH 09



**AVINASHILINGAM UNIVERSITY FOR WOMEN**

(Established under section 3 of the OGC Act 1964 vide Notification No. P-8-2074-1-2 dated 27 June 1965 of the Government of India)

COIMBATORE - 43

FACULTY OF SCIENCE

*The Syndicate of the Avinashilingam University for Women hereby makes known that*

**VASANTHA, S.**

*has been admitted to the Degree of* **DOCTOR OF PHILOSOPHY** *in*  
**PHYSICS** *having been certified by duly appointed*

*Examiners to be qualified to receive the same, in* **JUNE 2009**



*Given under the Seal of the University.*

*S. S. Srinivasan*  
Registrar

Date : 15.10.2009

*T. K. Srinivasan*  
CHANCELLOR

*S. S. Srinivasan*  
Vice Chancellor

# Anna University Chennai



Reg. No: 2004709706/RC

*The Syndicate of the Anna University hereby makes known that*  
**VENKATACHALAM T** *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* **2008**.

*Title of the thesis:*

**A STUDY OF HOT WALL EVAPORATION SYSTEM AND  
CHARACTERIZATION OF CdTe AND CdSn<sub>3</sub>Te<sub>4</sub> THIN FILMS**

*Given under the Seal of the University*



Chennai 600 025  
India  
December 2008

*V. Srinivasan*  
Controller of Examinations

*Srinivasan*  
Registrar

*Srinivasan*  
Vice-Chancellor



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு  
யோகானந்த கோபு, 2010 ஆம் ஆண்டு ஏப்ரல் 23 ஆம் தாளில் இயற்றியல் என்னும் பிரிவில்  
ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகக் சான்றளித்ததை  
ஏற்று, அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக் கழக ஆளுக இவச்சினைபுடின்,  
பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that YOGANAND C P  
has been admitted to the Degree of DOCTOR OF PHILOSOPHY in PHYSICS,  
having been certified by duly appointed Examiners to be qualified to receive the same on 23rd APRIL 2010.

Given under the Seal of the University.



கொயம்புத்தூர்  
செவ்வியல்  
பிரிவு  
கொயம்புத்தூர்  
பிரிவு

Dated: 15th July 2010

Controller of Examinations

K. G. Senthilvelu  
கேள்வரைப்பாளர்

பதிவாளர்  
Registrar

தலைவர்  
Vice-Chancellor

C No 246274



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால் முடிவாக அமைக்கப்பட்ட திரைப்படம் குறித்து  
சந்திரேசுவரி சி. 2018-ஆம் ஆண்டு மார்ச் 26-ஆம் திகதி திருச்சி  
மாநகரம் மற்றும் ஆர்வியல் அறிஞர் மாநகரம் உள்ளிட்ட இடங்களில் அமைக்கப்பட்டிருக்கும் சந்திரேசுவரி  
சந்திரேசுவரி அறிஞர் மாநகரம் உள்ளிட்ட இடங்களில் அமைக்கப்பட்டிருக்கும் சந்திரேசுவரி  
பாரதியார் பல்கலைக் கழக ஆட்சிக்குழு அங்கீகரிக்கப்பட்டது

The Syndicate of the Bharathiar University hereby notes that **SANJEEVKUMAR R**  
has been admitted to the Degree of **DOCTOR OF PHILOSOPHY** in **PHYSICS**,  
having been certified by duly appointed Examiners to be qualified to receive the same on **26th MARCH 2018**.

Given under the Seal of the University



சென்னை  
Coimbatore  
Date: 26th February 2018

*[Signature]*  
Controller of Examinations

*[Signature]*  
Registrar (IC)

*[Signature]*  
for Vice-Chancellor



**Dr. K.P. JAYA**  
DIRECTOR

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone: +91-44-2231-7366/2235-0381  
Fax: +91-44-2220-1213  
Email: [drresearch@annauniv.edu](mailto:drresearch@annauniv.edu)  
[drresearch@annauniv.edu](mailto:drresearch@annauniv.edu)



Date: 04.09.2018

Lr No.17247697129/Ph.D./AR13

Sub: Ph.D. Programme - Mr/Ms C Sandhya, Research Scholar - Confirmation - Orders - Issued

- Ref: 1. This Office Lr No CR/Ph.D./Admn/JUL/2017 Dtd: 18.07.2017  
2. Letter Dtd: 04.09.2018 from Dr T. Venkatachalam, Associate Professor, Department of Physics, Coimbatore Institute of Technology, Coimbatore

....

The Provisional registration granted to Mr/Ms C Sandhya to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Science and Humanities.

DIRECTOR

To  
Dr. T. Venkatachalam  
Associate Professor  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore 641014

**Copy to:**

The Head  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore 641014

Mr/Ms C Sandhya, Research Scholar through the Supervisor Dr. T. Venkatachalam

*Attested.*

*T. Venkatachalam*

**Dr. T. VENKATACHALAM**  
M.Sc., B.Ed., M.Phil., Ph.D.,  
Professor,  
Department of Physics,  
Coimbatore Institute of Technology  
Coimbatore-641 014, Tamil Nadu.  
Cell: 9791 835943  
Email: [tvkatachalam@cit.edu.in](mailto:tvkatachalam@cit.edu.in)





**Dr. K.P. JAYA**  
**DIRECTOR**

**CENTRE FOR RESEARCH**  
**ANNA UNIVERSITY**  
**CHENNAI - 600 025**



Telephone: +91-44-2231-7366/2235-0581  
Fax: +91-44-2220-1213  
Email: [dirresearch@annauniv.edu](mailto:dirresearch@annauniv.edu)  
[dirresearch@gmail.com](mailto:dirresearch@gmail.com)



Date: 09.09.2018

Lr No.17247697129/Ph.D./AR13

Sub: Ph.D. Programme - Mr/Ms C Sandhiya. Research Scholar - Confirmation - Orders -  
issued

- Ref: 1. This Office Lr No CR/Ph D /Admn/JUL/2017 Dtd 18.07.2017  
2. Letter Dtd 04.09.2018 from Dr T Venkatachalam, Associate Professor, Department of  
Physics, Coimbatore Institute of Technology, Coimbatore

....

The Provisional registration granted to Mr/Ms C Sandhiya to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Science and Humanities.

*[Signature]*  
DIRECTOR

To  
Dr. T Venkatachalam  
Associate Professor  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore 641014

**Copy to :**

The Head  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore 641014

*Attested.*

Mr/Ms C Sandhiya, Research Scholar through the Supervisor Dr. T Venkatachalam

*T. Venkatachalam*  
**Dr. T. VENKATACHALAM**  
M.Sc., B.Ed., M.Phil., Ph.D.,  
Professor,  
Department of Physics,  
Coimbatore Institute of Technology  
Coimbatore-641 014, Tamil Nadu.  
Cell: 9791 836943  
Email: [tvenkatachalam@cit.edu.in](mailto:tvenkatachalam@cit.edu.in)



Dr. R. JAYAVEL  
DIRECTOR

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2255 7869/2255 9351  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gnell.com



Procs. No.1512769706/Ph.D./AR12

Date : 26.06.2015

Sub : Ph.D. Programme – Mr./Ms. Yuvaraj S, Research Scholar – Constitution of Doctoral Committee –  
Orders – Issued.

Ref : This office Lr.No.CR / Ph.D. / Admn / July / 2015 dated: 20.06.2015.

\*\*\*

Mr./Ms. Yuvaraj S has been granted provisional registration for Ph.D. Programme under the guidance of Dr. C.P Yoganand vide reference cited. Accordingly a Doctoral Committee has been constituted comprising of the following members as required in the Clause 12.1 of Ph.D. Regulations.

- |  |                         |
|--|-------------------------|
| 1. Dr.C.P Yoganand,Assistant Professor<br>Department of Physics<br>Coimbatore Institute of Technology,<br>Coimbatore - 641014. | Supervisor/<br>Convener |
| 2. Dr. R.Balasundaraprabha,Associate Professor<br>Department of Physics<br>PSG College of Technology Coimbatore-641004         | Member                  |
| 3. Dr. M.Senthilkumar,Assistant Professor<br>Department of Physics<br>Karunya University Coimbatore-641114                     | Member                  |

The Doctoral Committee shall meet within 3 weeks from the date of receipt of this communication to prescribe course works to the scholar as per clause 13.1 of Ph.D. Regulation. The Meetings of the Doctoral Committee shall be informed to the Director (Research) and Head of the Department/Director of the Centre well in advance. The minutes of the meetings / any other communications should be forwarded by the respective Head of the Department/Director of the Centre.

The research scholar shall have a CGPA of 6.50 in the course works in order to become eligible for comprehensive examination. A pass in the comprehensive examination is required for the confirmation of Ph.D. Registration.

The Committee shall function as per rules of the Ph.D. regulations. Sitting Fee, TA / Conveyance shall be paid as per the norms. The Supervisor/ Convener shall convene the meeting of the Doctoral Committee and send the progress report periodically. As per Clause 6.4 "The Scholar, Supervisor, Doctoral Committee Members and Examiners shall not be relatives to each others".

*[Handwritten Signature]*  
DIRECTOR  
*[Handwritten Signature]*  
26/6/15

To  
The Supervisor  
Copy to : All Members



Dr. R. JAYAVEL  
DIRECTOR

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 045



Telephone : +91-44-2251 7586/2255 0391  
Fax : +91-44-2251 1211  
Email : [cfrc@annauniv.edu](mailto:cfrc@annauniv.edu)  
[cfrc@annauniv.edu](mailto:cfrc@annauniv.edu)



Lr.No.17127691197/Ph.D./AR16

Date : 24.04.2018

Sub : Ph.D. Programme -Mr./Ms.P Mykraj, Research Scholar - Confirmation - Orders -  
issued.

Ref : 1. This Office Lr.No.CR/Ph.D./Admin/JAN/2017 Dtd: 25.12.2016.  
2. Letter Dtd: 23.02.2018 from Dr.C.P.Yoganand, Assistant Professor, Department of  
Physics, Coimbatore Institute of Technology

\*\*\*\*

The Provisional registration granted to Mr/Ms.P Mykraj to pursue Ph.D. Programme in this  
University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the  
research work as recommended by the Doctoral Committee constituted for the Research Scholar under  
the Faculty of Science and Humanities.

*R. Jayavel*  
24/4/18  
DIRECTOR

To  
Dr.C.P.Yoganand  
Assistant Professor  
Department of Physics  
Coimbatore Institute of Technology Coimbatore - 641 014

*CPY*  
24/4/18

Copy to :

The Head  
Department of Physics  
Coimbatore Institute of Technology Coimbatore - 641 014

Mr/Ms.P Mykraj, Research Scholar through the Supervisor Dr.C.P.Yoganand



Dr. R. JAYAVEL  
DIRECTOR

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 4213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr.No.17247691178/Ph.D./AR16

Date : 06.04.2018

Sub : Ph.D. Programme –Mr./Ms.M Shobana, Research Scholar – Confirmation - Orders -  
Issued.

- Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JAN/2017 Dtd: 28.12.2016.  
2. Letter Dtd: 23.02.2018 from Dr.P.Balraju, Assistant Professor, Department of Physics  
Coimbatore Institute of Technology Coimbatore

\*\*\*\*

The Provisional registration granted to Mr/Ms.M Shobana to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Science and Humanities.

*R. Jayavel*  
DIRECTOR

To  
Dr.P Balraju  
Assistant Professor  
Department of Physics  
Coimbatore Institute of Technology Civil Aerodrome Post  
Coimbatore 641014

*Dr.P Balraju*  
6/4/18

Copy to :

The Head  
Department of Physics  
Coimbatore Institute of Technology Civil Aerodrome Post  
Coimbatore 641014

Mr./Ms.M Shobana, Research Scholar through the Supervisor Dr.P Balraju



Dr. C.UMARANI  
DIRECTOR

CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr.No.22127691184/Ph.D./AR14

Date : 08.12.2022

Sub : Ph.D. Programme –Mr./Ms.M Elamaran, Research Scholar – Confirmation - Orders -  
Issued.

Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JAN/2022 Dtd: 01.03.2022.  
2. Letter Dtd: 02.12.2022 from Dr.P.Balraju, Assistant Professor, Department of Physics,  
Coimbatore Institute of Technology, Coimbatore - 641 014

\*\*\*\*

The Provisional registration granted to Mr/Ms.M Elamaran to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Science and Humanities.

  
08/12/2022  
DIRECTOR

✓ To  
Dr.P Balraju  
Assistant Professor  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore 641 014

Stk



Copy to :

1.The Head/Director  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore 641 014

2.Mr./Ms.M Elamaran, Research Scholar through the Supervisor Dr.P Balraju



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
DIRECTOR

Telephone : +91-44-2235 7365/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Procs. No.23247691106/Ph.D./AR14

Date : 16/12/2022

Sub : Ph.D. Programme – Ms.Anne M, Research Scholar – Constitution of Doctoral Committee – Orders – Issued.

Ref : This office Lr.No.CR / Ph.D. / Admn /JAN/2023, dated: 16.12.2022.

\*\*\*\*

Ms Anne M has been granted provisional registration for Ph.D. Programme under the guidance of Dr.P.Balraju vide reference cited. Accordingly a Doctoral Committee has been constituted comprising of the following members as required in the Clause 12.1 of Ph.D. Regulations.

- |   |                         |
|---|-------------------------|
| 1. Dr.P.Balraju, Assistant Professor<br>Department of Physics<br>Coimbatore Institute of Technology<br>Coimbatore - 641 014                     | Supervisor/<br>Convener |
| 2. Dr.S.Agilan, Professor<br>Department of Physics<br>Coimbatore Institute of Technology<br>Coimbatore - 641 014                                | Member                  |
| 3. Dr.Chinnuswamy Viswanathan, Associate Professor<br>Department of Nanoscience and Technology<br>Bharathiar University<br>Coimbatore - 641 046 | Member                  |

The Doctoral Committee shall meet within 3 weeks from the date of receipt of this communication to prescribe course works to the scholar as per clause 13.1 of Ph.D. Regulations. The Meetings of the Doctoral Committee shall be informed to the Director (Research) and Head of the Department/Director of the Centre well in advance. The minutes of the meetings / any other communications should be forwarded by the respective Head of the Department/Director of the Centre of the Supervisor.

The research scholar shall have a CGPA of 7.00 in the course works in order to become eligible for comprehensive examination. A pass in the comprehensive examination is required for the confirmation of Ph.D. Registration.

The Committee shall function as per rules of the Ph.D. Regulations. Siting Fee, TA / Conveyance to attend the Doctoral committee meetings shall be paid as per the norms. The Supervisor/ Convener shall convene the meeting of the Doctoral Committee and send the progress report periodically. As per Clause 6.4 "The Scholar, Supervisor, Doctoral Committee Members and Examiners shall not be relatives to one another".

*f. Shobana*  
DIRECTOR 16/12/22

To  
The Supervisor  
Copy to : All Members

*AK*



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. C.UMARANI  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Procs.No.22247697102/Ph.D./AR14

Date : 14.09.2023

Sub : Ph.D. Programme –Mr./Ms.C Lakshmi, Research Scholar – Confirmation - Orders - Issued.

Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JUL/2022 Dtd: 24.06.2022.  
2. Letter Dtd: 14.09.2023 from Dr.P.Balraju, Assistant Professor, Department of Physics, Coimbatore Institute of Technology, Coimbatore - 641 014

\*\*\*\*

The Provisional registration granted to Mr/Ms.C Lakshmi to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Science and Humanities.

To  
✓Dr.P Balraju  
Assistant Professor  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore 641 014

Sth  
21/9/23

B  
21/9/23

Shulam  
22/09/23  
DIRECTOR  
f  
1/2

Copy to :

1.The Head/Director  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore 641 014

2.Mr./Ms.C Lakshmi, Research Scholar through the Supervisor Dr.P Balraju



Dr. R. JAYAVEL  
DIRECTOR

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2255 1966/2255 8361  
Fax : +91-44-2250 1212  
Email : [dirresearch@annauniv.edu](mailto:dirresearch@annauniv.edu)  
[dirresearch@gmail.com](mailto:dirresearch@gmail.com)



Procs. No.17237687163/Ph.D./AR16

Date : 28.06.2017

Sub: Ph.D. Programme – Mr./Ms. Jeevitha N, Research Scholar – Constitution of Doctoral Committee – Orders – Issued.

Ref: This office Lr.No.CR / Ph.D. / Adm / JUL / 2017 dated: 28.06.2017.

Mr./Ms. Jeevitha N has been granted provisional registration for Ph.D. Programme under the guidelines of Dr. P. Suresh vide reference cited. Accordingly a Doctoral Committee has been constituted comprising of the following members as required in the Clause 12.1 of Ph.D. Regulations.

- |  |                         |
|--|-------------------------|
| 1. Dr. P. Suresh, Assistant Professor<br>Department of Physics<br>Coimbatore Institute of Technology<br>Coimbatore - 641014      | Supervisor/<br>Convener |
| 2. Dr. M. Saravananakumar, Assistant Professor<br>Department of Physics<br>SVS College of Engineering<br>Coimbatore - 642109.    | Joint Supervisor        |
| 3. Dr. N. Muthukumarasamy, Associate Professor<br>Department of Physics<br>Coimbatore Institute of Technology, Coimbatore-641014 | Member                  |
| 4. Dr. R. Balan, Assistant Professor<br>Department of Physics<br>Chikkanna Government Arts College, Tiruppur-641802              | Member                  |

The Doctoral Committee shall meet within 3 weeks from the date of receipt of this communication to prescribe course works to the scholar as per clause 13.1 of Ph.D. Regulation. The Meetings of the Doctoral Committee shall be informed to the Director (Research) and Head of the Department/Director of the Centre well in advance. The minutes of the meetings / any other communications should be forwarded by the respective Head of the Department/Director of the Centre.

The research scholar shall have a CGPA of 6.50 in the course works in order to become eligible for comprehensive examination. A pass in the comprehensive examination is required for the confirmation of Ph.D. Registration.

The Committee shall function as per rules of the Ph.D. regulations. Sitting Fee, TA / Conveyance shall be paid as per the norms. The Supervisor/ Convener shall convene the meeting of the Doctoral Committee and send the progress report periodically. As per Clause 6.4 "The Scholar, Supervisor, Doctoral Committee Members and Examiners shall not be relatives to each others".

  
DIRECTOR 29/6/17

To  
The Supervisor  
Copy to / All Members





**CENTRE FOR RESEARCH**  
**ANNA UNIVERSITY**  
**CHENNAI - 600 025**



**Dr. C.UMARANI**  
**DIRECTOR**

Telephone : +91-44-2235 7066/2235 0361  
Fax : +91-44-2220 1213  
Email : [dirresearch@annauniv.edu](mailto:dirresearch@annauniv.edu)  
[dirresearch@gmail.com](mailto:dirresearch@gmail.com)



Lr.No.CFR/Ph.D./Admn/JAN/2024 /AR14

Date : 29-01-2024

To  
Dr.R.Sanjeev Kumar  
Assistant Professor  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore - 641014

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 42.4.01 of the 42<sup>nd</sup> Research Board Meeting held on 28.11.2023

\*\*\*\*

I am to inform that **Mr.Praveen Kumar D** is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of **Science and Humanities** of Anna University, Chennai during **January 2024** session under your guidance.

Topic of Research: **SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL ACTIVITES OF UNDOPED, DOPED AND CO-DOPED MGO NANOPARTICLES**

The Registration Number of the research scholar is **24197691255** and in all future correspondence quote "**24197691255/Ph.D./AR14**" as reference.

The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments made to the Regulations from time to time.The research scholar should complete the Semester Progress Report at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

29-01-2024  
for **DIRECTOR**

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.



Dr. R. JAYAVEL  
DIRECTOR

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7066/2235 0361  
Fax : +91-44-2220 1213  
Email : [cfresearch@annauniv.edu](mailto:cfresearch@annauniv.edu)  
[cfresearch@gmail.com](mailto:cfresearch@gmail.com)



Lr.No.CR/Ph.D./Admn/JAN/2017

Date : 28.12.2016

To  
Dr.S Agilan  
Associate Professor  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore - 641014

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 28.09 of the 28th Research Board Meeting held on 30.11.2016

\*\*\*\*

I am to inform that **Mr./Ms. Pavithrakumar P** is permitted to register provisionally for Ph.D. programme as **Full-Time** scholar in the Faculty of Science and Humanities of Anna University during JANUARY 2017 session under your guidance.

Topic of Research: **Synthesize and Characterization of Perovskite (CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub>) Thin Films for Solar Cell Applications**

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **17147691179**.

In all future correspondence quote " **17147691179/Ph.D./AR12** " - for reference. The research scholar will be governed by the " Regulations for Ph.D. Programme " of this University and any amendments are made to the Regulations from time to time.

  
DIRECTOR

To  
1. Individual.  
2. The Head of the Department / Director of the Centre.

  
28/12/16  
28/12



Dr. R. JAYAVEL  
DIRECTOR

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



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Fax : +91-44-2225 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 19.06.2018

Proc. No.18137697129/Ph.D.JAR13

Sub : Ph.D. Programme – Mr./Ms. Jayaprakash M, Research Scholar – Constitution of Doctoral Committee – Orders – Issued.

Ref : This office Lr.No.CR / Ph.D. / Admn /JUL/2018/ dated: 19.06.2018.

\*\*\*

Mr./Ms. **Jayaprakash M** has been granted provisional registration for Ph.D. Programme under the guidance of Dr. S Agilan vide reference cited. Accordingly a Doctoral Committee has been constituted comprising of the following members as required in the Clause 12.1 of Ph.D. Regulations.

- |  |                         |
|--|-------------------------|
| 1/ <b>Dr.S Agilan,Associate Professor</b><br>Department of Physics<br>Coimbatore Institute of Technology<br>Coimbatore - 641014                      | Supervisor/<br>Convener |
| 2. <b>Dr. R.Bala Sundara Prabhu,Assistant Professor</b><br>Department of Physics And Material Science<br>PSG College Of Technology Coimbatore-641004 | Member                  |
| 3. <b>Dr. P.Paulakumari,Assistant Professor</b><br>Department of Physics<br>Chikkanna Govt.Arts College, Tiruppur-641602                             | Member                  |

The Doctoral Committee shall meet within 3 weeks from the date of receipt of this communication to prescribe course works to the scholar as per clause 13.1 of Ph.D. Regulation. **The Meetings of the Doctoral Committee shall be informed to the Director (Research) and Head of the Department/Director of the Centre well in advance. The minutes of the meetings / any other communications should be forwarded by the respective Head of the Department/Director of the Centre.**

The research scholar shall have a CGPA of 8.50 in the course works in order to become eligible for comprehensive examination. A pass in the comprehensive examination is required for the confirmation of Ph.D. Regulation.

The Committee shall function as per rules of the Ph.D. regulations. Sitting Fee, TA / Conveyance shall be paid as per the norms. The Supervisor/ Convener shall convene the meeting of the Doctoral Committee and send the progress report periodically. As per Clause 9.4 "The Scholar, Supervisor, Doctoral Committee Members and Examiners shall not be relatives to each others"

*T. Jayavel*  
DIRECTOR

*Sub: Jay*

To  
The Supervisor  
Copy to : All Members



Dr. K.P. JAYA  
DIRECTOR

CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : cfrresearch@annauniv.edu  
cfrresearch@gmail.com



Date : 11.07.2019

Lr.No.CFR/Ph.D./Admn/JUL/2019

To  
Dr. S. Agilan  
Professor  
Department of Physics  
Coimbatore Institute of Technology  
Peelamedu, Coimbatore - 641 014

Sub: Ph.D. Programme - Provisional Registration - Order - Issued.

Ref: Res. No. 33.06 of the 33<sup>rd</sup> Research Board Meeting held on 07.06.2019

\*\*\*

I am to inform that Mr/Ms. Saraswathi V is permitted to register provisionally for Ph.D. programme as Full-Time scholar in the Faculty of Science and Humanities of Anna University, Chennai during JUL 2019 session under your guidance.

Topic of Research: INVESTIGATIONS OF PHOTOCATALYTIC ACTIVITIES OF MESOPOROUS MATERIALS

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is 19247697139.

In all future correspondence quote "19247697139/Ph.D.JAR13" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

for R. Vudjapriya  
DIRECTOR 11/7/19

To  
1. Individual.  
2. The Head of the Department / Director of the Centre.

[Signature]  
11/7/19



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
**DIRECTOR**

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr.No.CFR/Ph.D./Admn/JAN/2022

Date : 7/2/2022

To  
Dr.S.Agilan  
Professor  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore - 641 014

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 38.4.01 of the 38<sup>th</sup> Research Board Meeting held on 19.01.2022

\*\*\*\*

I am to inform that **Ms.Glory Renita H** is permitted to register provisionally for Ph.D. programme as **Full-Time** scholar in the Faculty of **Science and Humanities** of Anna University, Chennai during **January 2022** session under your guidance.

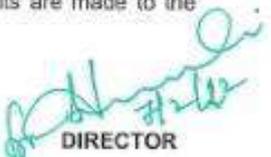
Topic of Research: **ADSORPTION OF UNBURNT CARBON FROM THE COMBUSTION OF WOOD-FUELS AND FOSSIL FUELS USING SYNTHETIC ZEOLITES.**

The Research Scholar may be instructed to submit the Enrolment Form (accessed through the website <https://cfr.annauniv.edu/scholars/>) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee, every semester.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **22247691156**.

In all future correspondence quote "**22247691156/Ph.D./AR14**" as reference. The research scholar will be governed by the "Regulations for Ph.D. Programme" of this University and any amendments are made to the Regulations from time to time.

  
**DIRECTOR**

To  
1. Individual.  
2. The Head of the Department / Director of the Centre.



  
7/2/22



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI 600 025

Dr.USHA NATESAN  
DIRECTOR

Telephone : + 91-44-2235 0361  
: + 91-44-2235 7023  
Fax : + 91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com

Lr.No: SUPR/24<sup>th</sup> RB/ DB

Dated: 22.09.2014

To  
Dr.YOGANAND C.P  
Assistant Professor  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore -641014

Sir/Madam,

**Sub:** Ph.D./M.S. (By Research) Programme – Supervisor Recognition – Orders – Issued.

**Ref:** Your application for Supervisor Recognition.

\*\*\*\*\*

I am by direction to inform that you are recognized as a Supervisor (**Ref.No.24.07.22**) for guiding Ph.D. and M.S. (By Research) scholars of this University under the faculty of **Science & Humanities**.

Area of Specialization: **"Plasma Materials Processing"**

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D./M.S. (By Research) regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

*Supervisors working in the recognized R&D Centre of Industries/non-recognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor.*

I request you to adhere strictly the regulations available in <https://cfr.annauniv.edu/research/instructions.php> when you start guiding scholars.

In all future correspondence quote **24.07.22** for reference.

*Umapathes*  
DIRECTOR

Copy to : Head of the Department / Institution



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2255 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : cfrresearch@annauniv.edu  
dirresearch@annauniv.edu

Dr. C.UMARANI  
DIRECTOR



Date : 16.03.2023

Lr. No: SUPR/AR2

To  
Dr. Vijay M  
Assistant Professor  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore-641014

Sir/Madam,

Sub : Ph.D.Programme - Supervisor Recognition - **Approved** - Orders - Issued.  
Ref : Your application for Supervisor Recognition.

\*\*\*\*\*

I am by direction to inform that you are recognized as a Supervisor ( Ref.No: 4170055 ) for guiding Ph.D. scholars of this University under the faculty of **Science and Humanities**.

Area of Specialization: "**Plasma Physics, Plasma Agri**"

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D.regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

***It is to be noted that, "Supervisors working in the recognized R&D Centre of Industries/non-recognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor".***

I request you to adhere strictly the Ph.D. regulations (available in <https://cfr.annauniv.edu/research/instructions.php> ) when you start guiding the scholars.

Further for any correspondence in future quote **4170055** for reference.

DIRECTOR

Copy to:

The Head  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore-641014



**CENTRE FOR RESEARCH**  
**ANNA UNIVERSITY**  
**CHENNAI 600 025**

Telephone : + 91-44-2235 0361  
: + 91-44-2235 7025  
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Fax : + 91-44-2220 1213  
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dirresearch@gmail.com

**Dr.USHA NATESAN**  
**DIRECTOR**

**Lr.No: SUPR/21<sup>st</sup> RB/ DB**

**Dated: 4.06.2013**

To

**Dr.MUTHUKUMARASAMY N**

Associate Professor, Department of Physics  
Coimbatore Institute of Technology,  
Coimbatore – 641 014

Sir/Madam,

**Sub:** Ph.D./M.S. (By Research) Programme – Supervisor Recognition – Orders – Issued.

**Ref:** Res. No.21.04 of the 21<sup>st</sup> Research Board Meeting held on 20.05.2013.

\*\*\*\*\*

I am by direction to inform that you are recognized as a Supervisor (**Ref.No. 21.07.70**) for guiding Ph.D. and M.S. (By Research) scholars of this University under the faculty of **Science and Humanities**.

Area of Specialization: "**Thin Film Physics, Solar Cells.**"

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D./M.S. (By Research) regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

***Supervisors working in the recognized R&D Centre of Industries/non-recognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor.***

I am herewith enclosing Ph.D. and M.S (By Research) Regulations for your reference. I request you to adhere strictly the regulations when you start guiding scholars.

In all future correspondence quote **21.07.70** for reference.

*S. Srinivasan*  
f **DIRECTOR**

**Encl** : Ph.D. and M.S. (By Research) Regulations

**Copy to** : Head of the Department / Institution

संख्यांक 06/09332  
Enrolment No.

## जय नारायण व्यास विश्वविद्यालय जोधपुर

( पूर्व जोधपुर विश्वविद्यालय )

प्रमाणित किया जाता है कि

बालराज पी.

पुत्र/पुत्री श्रीमती अरकानी

एवं श्री पलानीसामी

ने इस विश्वविद्यालय से 2009 में

### डॉक्टर ऑफ फिलॉसॉफी

भौतिक विज्ञान

की उपाधि प्राप्त की

शोध-प्रबन्ध का विषय निम्नलिखित था

ELECTRICAL AND PHOTOVOLTAIC

PROPERTIES OF ORGANIC BULK HETERO-

JUNCTIONS

### JAI NARAIN VYAS UNIVERSITY JODHPUR

( ERSTWHILE UNIVERSITY OF JODHPUR )

This is to certify that

BALRAJU P.

Son/Daughter of Smt. ARUKANI

and Shri. PALANISAMY

obtained the degree of

### DOCTOR OF PHILOSOPHY

PHYSICS

of this University in 2009

The topic of his/her research was

ELECTRICAL AND PHOTOVOLTAIC

PROPERTIES OF ORGANIC BULK HETERO-

JUNCTIONS

Vice-Chancellor

वाइस-चान्सेलर

Conferred by Senate on 17 MAR 2010



*Page*



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI 600 025

Dr. USHA NATESAN  
DIRECTOR

Telephone : + 91-44-2235 0361  
: + 91-44-2235 7025  
: + 91-44-2235 7027  
Fax : + 91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com

Lr.No: SUPR/19<sup>th</sup> RB/ AR3

Dated: 30.10.2012

To

Dr.P.Balraju  
Assistant Professor  
Department of Physics  
Velammal Engineering College, Velammal Nagar  
Chennai - 600 066.

Sir/Madam,

**Sub:** Ph.D./M.S. (By Research) Programme – Supervisor Recognition – Orders – Issued.  
**Ref:** Res. No.19.03 of the Nineteenth Research Board Meeting held on 02.07.2012.

\*\*\*\*\*

I am by direction to inform that you are recognized as a Supervisor (**Ref.No. 19.799.36**) for guiding Ph.D. and M.S. (By Research) scholars of this University under the faculty of **Science and Humanities.**

Area of Specialization: **"ORGANIC PHOTOVOLTAICS"**

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D./M.S. (By Research) regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

**Supervisors working in the recognized R&D Centre of Industries/non-recognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor.**

I am herewith enclosing Ph.D. and M.S (By Research) Regulations for your reference. I request you to adhere strictly the regulations when you start guiding scholars.

In all future correspondence quote **19.799.36** for reference.

UshaNatesan  
DIRECTOR

Encl : Ph.D. and M.S. (By Research) Regulations  
Copy to : Head of the Department / Institution

and  
30/10/12  
@ 30/10/12



Dr. R. JAYAVEL  
DIRECTOR

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr.No.17247691178/Ph.D./AR16

Date : 06.04.2018

Sub : Ph.D. Programme –Mr./Ms.M Shobana, Research Scholar – Confirmation - Orders - Issued.

Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JAN/2017 Dtd: 28.12.2016.  
2. Letter Dtd: 23.02.2018 from Dr.P.Balraju, Assistant Professor, Department of Physics  
Coimbatore Institute of Technology Coimbatore

\*\*\*\*

The Provisional registration granted to Mr/Ms.M Shobana to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed, The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the **Faculty of Science and Humanities**.

*R. Jayavel*  
DIRECTOR

To  
Dr.P Balraju  
Assistant Professor  
Department of Physics  
Coimbatore Institute of Technology Civil Aerodrome Post  
Coimbatore 641014

*Dr.P Balraju*  
6/4/18

Copy to :

The Head  
Department of Physics  
Coimbatore Institute of Technology Civil Aerodrome Post  
Coimbatore 641014

Mr./Ms.M Shobana, Research Scholar through the Supervisor Dr.P Balraju



Dr. C.UMARANI  
DIRECTOR

CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 08.12.2022

Lr.No.22127691184/Ph.D./AR14

Sub : Ph.D. Programme -Mr./Ms.M Elamaran, Research Scholar - Confirmation - Orders -  
Issued.

Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JAN/2022 Dtd: 01.03.2022.  
2. Letter Dtd: 02.12.2022 from Dr.P.Balraju, Assistant Professor, Department of Physics,  
Coimbatore Institute of Technology, Coimbatore - 641 014

\*\*\*\*

The Provisional registration granted to Mr/Ms.M Elamaran to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Science and Humanities.

  
08/12/2022  
DIRECTOR

✓ To  
Dr.P Balraju  
Assistant Professor  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore 641 014

Stk



Copy to :

1.The Head/Director  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore 641 014

2.Mr./Ms.M Elamaran, Research Scholar through the Supervisor Dr.P Balraju



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



**Dr. C.UMARANI**  
DIRECTOR

Telephone : +91-44-2235 7365/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Procs. No.23247691106/Ph.D./AR14

Date : 16/12/2022

Sub : Ph.D. Programme – Ms.Anne M, Research Scholar – Constitution of Doctoral Committee – Orders – Issued.

Ref : This office Lr.No.CR / Ph.D. / Admn /JAN/2023, dated: 16.12.2022.

\*\*\*\*

Ms Anne M has been granted provisional registration for Ph.D. Programme under the guidance of Dr.P.Balraju vide reference cited. Accordingly a Doctoral Committee has been constituted comprising of the following members as required in the Clause 12.1 of Ph.D. Regulations.

- |   |                         |
|---|-------------------------|
| 1. Dr.P.Balraju, Assistant Professor<br>Department of Physics<br>Coimbatore Institute of Technology<br>Coimbatore - 641 014                     | Supervisor/<br>Convener |
| 2. Dr.S.Agilan, Professor<br>Department of Physics<br>Coimbatore Institute of Technology<br>Coimbatore - 641 014                                | Member                  |
| 3. Dr.Chinnuswamy Viswanathan, Associate Professor<br>Department of Nanoscience and Technology<br>Bharathiar University<br>Coimbatore - 641 046 | Member                  |

The Doctoral Committee shall meet within 3 weeks from the date of receipt of this communication to prescribe course works to the scholar as per clause 13.1 of Ph.D. Regulations. The Meetings of the Doctoral Committee shall be informed to the Director (Research) and Head of the Department/Director of the Centre well in advance. The minutes of the meetings / any other communications should be forwarded by the respective Head of the Department/Director of the Centre of the Supervisor.

The research scholar shall have a CGPA of 7.00 in the course works in order to become eligible for comprehensive examination. A pass in the comprehensive examination is required for the confirmation of Ph.D. Registration.

The Committee shall function as per rules of the Ph.D. Regulations. Siting Fee, TA / Conveyance to attend the Doctoral committee meetings shall be paid as per the norms. The Supervisor/ Convener shall convene the meeting of the Doctoral Committee and send the progress report periodically. As per Clause 6.4 "The Scholar, Supervisor, Doctoral Committee Members and Examiners shall not be relatives to one another".

*f. Shobana*  
DIRECTOR 16/12/22

To  
The Supervisor  
Copy to : All Members

*AK*



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. C.UMARANI  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Procs.No.22247697102/Ph.D./AR14

Date : 14.09.2023

Sub : Ph.D. Programme –Mr./Ms.C Lakshmi, Research Scholar – Confirmation - Orders - Issued.

Ref : 1. This Office.Lr.No.CR/Ph.D./Admn/JUL/2022 Dtd: 24.06.2022.  
2. Letter Dtd: 14.09.2023 from Dr.P.Balraju, Assistant Professor, Department of Physics, Coimbatore Institute of Technology, Coimbatore - 641 014

\*\*\*\*

The Provisional registration granted to Mr/Ms.C Lakshmi to pursue Ph.D. Programme in this University vide ref. 1<sup>st</sup> cited is confirmed. The research scholar is permitted to proceed further with the research work as recommended by the Doctoral Committee constituted for the Research Scholar under the Faculty of Science and Humanities.

To  
✓Dr.P Balraju  
Assistant Professor  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore 641 014

Sth  
21/9/23

B  
21/9/23

P  
L119

Adlam  
22/09/23  
DIRECTOR

Copy to :

1.The Head/Director  
Department of Physics  
Coimbatore Institute of Technology  
Coimbatore 641 014

2.Mr./Ms.C Lakshmi, Research Scholar through the Supervisor Dr.P Balraju

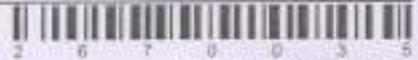


Dr. R. JAYAVEL  
DIRECTOR

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7365/2235 0361  
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Email : [dirresearch@annauniv.edu](mailto:dirresearch@annauniv.edu)  
[dirresearch@gmail.com](mailto:dirresearch@gmail.com)



Lr. No: SUPR/26<sup>th</sup>/DB

Date : 16.09.2015

To  
Dr. Suresh P  
Assistant Professor  
Department of Physics  
Coimbatore Institute of Technology,  
Coimbatore - 641014

Sir/Madam,

Sub : Ph.D./M.S. (By Research) Programme - Supervisor Recognition - Orders - Issued.  
Ref : Your application for Supervisor Recognition.

\*\*\*\*\*

I am by direction to inform that you are recognized as a Supervisor ( **Ref.No: 2670035** ) for guiding Ph.D. and M.S. (By Research) scholars of this University under the faculty of **Science and Humanities**.

Area of Specialization: "**Hybrid, Organic and Dye Sensitized Solarcells**"

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D./M.S. (By Research) regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

***Supervisors working in the recognized R&D Centre of Industries/non-recognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor.***

I request you to adhere strictly the regulations (available in <https://cfr.annauniv.edu/research/instructions.php> ) when you start guiding scholars.

In all future correspondence quote **2670035** for reference.

*R. Jayavel*  
16/9/15  
DIRECTOR

Copy to: Head of the Department / Institution



**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. K.P. JAYA  
DIRECTOR

Telephone : +91-44-2235 7380/2235 6081  
Fax : +91-44-2220 1213  
Email : [dirresearch@annauniv.edu](mailto:dirresearch@annauniv.edu)  
[dirresearch@gmail.com](mailto:dirresearch@gmail.com)



Date : 17.12.2018

Lr. No: SUPR/32<sup>nd</sup>/DB

To

Dr. Sanjeev Kumar R  
Assistant Professor  
Department of Physics  
Coimbatore Institute of Technology,  
Coimbatore-641014

Sir/Madam,

Sub : Ph.D./M.S. (By Research) Programme - Supervisor Recognition - Orders - Issued.  
Ref : Your application for Supervisor Recognition.

\*\*\*\*\*

I am by direction to inform that you are recognized as a Supervisor ( **Ref.No: 3370006** ) for guiding Ph.D. and M.S. (By Research) scholars of this University under the faculty of **Science and Humanities**.

Area of Specialization: **"Thin Films, Nanotechnology, Fuel Cells, Solar Cells"**

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D./M.S. (By Research) regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

*Supervisors working in the recognized R&D Centre of Industries/non-recognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor.*

I request you to adhere strictly the regulations (available in <https://cfr.annauniv.edu/research/instructions.php> ) when you start guiding scholars.

In all future correspondence quote **3370006** for reference.

  
17/12/18  
DIRECTOR

Copy to:

The Head  
Department of Physics  
Coimbatore Institute of Technology,  
Coimbatore-641014



Dr. R. JAYAVEL  
DIRECTOR

**CENTRE FOR RESEARCH**  
ANNA UNIVERSITY  
CHENNAI - 600 025



Telephone : +91-44-2235 7365/2235 0361  
Fax : +91-44-2220 1213  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 05.08.2016

Lr. No: SUPR/27<sup>th</sup>/DB

To  
Dr. Agilan S  
Associate Professor  
Department of Physics  
Coimbatore Institute of Technology,  
Coimbatore - 641014

Sir/Madam,

Sub : Ph.D./M.S. (By Research) Programme - Supervisor Recognition - Orders - Issued.  
Ref : Your application for Supervisor Recognition.

\*\*\*\*\*

I am by direction to inform that you are recognized as a Supervisor ( **Ref.No: 2870040** ) for guiding Ph.D. and M.S. (By Research) scholars of this University under the faculty of **Science and Humanities**.

Area of Specialization: "**Nanotechnology, Thin Films, Bio-Materials, Magnetic Materials**"

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D./M.S. (By Research) regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

***Supervisors working in the recognized R&D Centre of Industries/non-recognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor.***

I request you to adhere strictly the regulations (available in <https://cfr.annauniv.edu/research/instructions.php> ) when you start guiding scholars.

In all future correspondence quote **2870040** for reference.

  
DIRECTOR

Copy to:

The Head  
Department of Physics  
Coimbatore Institute of Technology,  
Coimbatore - 641014



# ANNA UNIVERSITY COIMBATORE

(Established under Act No.42 of 2006 by the Government of Tamil Nadu)

**Excellence in Technical Education and Research**

**CENTRE FOR RESEARCH**

Prof.Dr.T.KANNADASAN, Ph.D.,  
DIRECTOR

Academic Campus  
Jothipuram post,  
Coimbatore - 641 047

Ref : AUCBE /CFR/SR-ORDERS/1354/2010

Date : 20.01.2010

To

Dr.S. Vasantha  
Lecturer (Selection Grade )  
Dept. of Physics  
Coimbatore Institute of Technology,  
Coimbatore - 641 014

Sub: Ph.D. Programme –Recognition of Supervisor –Order –Issued–Reg.

\*\*\*\*\*

I am pleased to inform that, you are recognized as a Supervisor for guiding Research Scholars for Ph.D. and M.Tech.(By Research) programme of this University under the faculty of **Science & Humanities (Physics)**. Your Supervisor recognition number is **1001289**. Kindly quote this reference number in all future correspondence.

The functions and responsibilities of the Research Supervisor are as described in the Ph.D./ M.Tech. (By Research) Regulations of Anna University Coimbatore.

Copy to :

1. The Principal  
Coimbatore Institute of Technology  
Coimbatore - 641 004

2. File Copy

*S. N. Rishi*  
For Director - Research  
08.01



# ANNA UNIVERSITY COIMBATORE

(Established under Act No.42 of 2006 by the Government of Tamil Nadu)

**Excellence in Technical Education and Research**

## CENTER FOR RESEARCH

Dr.T.KANNADASAN, M.Tech., Ph.D.,  
DIRECTOR - RESEARCH

Academic Campus  
Jothipuram post,  
Coimbatore - 641 047

Ref - AUC /CFR/Sup.Reg./2009

Date : 28-01-2009

✓ Dr. T. Venkatachalam  
Lecturer(SG) Department of Physics,  
Coimbatore Institute of Technology,  
Coimbatore - 641 014.



Sub: Ph.D. Programme –Recognition of Supervisor –Order –Issued-Reg

I am pleased to inform that, you are recognized as a Supervisor for guiding Research Scholars for Ph.D. and M.Tech.(By Research) programme of this University under the faculty of **Science and Humanities (Physics)**. Your Supervisor recognition number is **0901193**. Kindly quote this reference number in all future correspondence. Your recognition is subject to approval by Board of Research, Anna University Coimbatore.

The functions and responsibilities of the Research Supervisor are as described in the Ph.D. / M.Tech. (By Research) Regulations of Anna University Coimbatore.

Director – Research

Copy to:

1. The Principal, Coimbatore Institute of Technology, Coimbatore - 641 014
2. File.

Director  
Centre For Research  
Anna University Coimbatore  
Academic Campus, Jothipuram (P.O)  
Coimbatore - 641 047.