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### 3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years

DVV C1: List of faculties along with the name of the research scholars / Guide during the assessment period.

Sl.No	Description	Page No.
1	Dr. P. Ranjith kumar	1
2	D. Raj Kumar	2
3	K. Manikandan	3
4	K. Vijayan	4
5	K.Ilayaraja	5
6	Dr.S. Muruganandam	6
7	K. Hema	7
8	P.Ambika	8

  
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**Number of Ph.Ds registered per eligible teacher during the last five years.**

**3.3.1.1. How many Ph.Ds registered per eligible teacher within last five years.**

Year	Name of full time teacher with Ph.D./D.M/M.Ch./D.N.B Superspeciality/ D.Sc./D.Litt.	Qualification (Ph.D./D.M/M.Ch./ D.N.B Superspeciality/D.Sc. /D.Litt. ) and Year of obtaining	Whether recognised as research Guide for Ph.D./D.M/M.Ch. /D.N.B Superspeciality/ D.Sc./D.Litt.	Year of Recognition as Research Guide	Is the teacher still serving the institution/If not last year of the service of Faculty to the Institution	Name of the scholar	Year of registration of the scholar
2016-2021	Dr.P.Ranjith Kumar	Ph.D & 2010	Yes	2011	Yes	D.Rajkumar	2011
						K.Manikandan	2011
						S.Vijayan	2011
						R.Ilayaraja	2011
2016-2021	Dr.K.Chandrasekaran	Ph.D. & 2014	Yes	2015	Yes	Nil	Nil
2017-2019	Dr.S.Muruganantham	Ph.D. & 2010	Yes	2011	Yes	K.Hema	2011
						P.Ambika	2011

Principal

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# **Dr. P. Ranjith Kumar**

**Supervisor for Guiding Ph.D and M.S.  
(By Research) scholars of this university  
under the faculty of Mechanical Engineering.**





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8



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Committee Meeting



Minutes of the DC/MC  
Meeting for Confirmation



Minutes of the Synopsis DC  
Meeting & Examiner's Panel



Minutes for Thesis  
Resubmission



Panel of Subject Experts for  
Viva-Voce Examination



Ph.D/M S(Research) Public  
Viva-Voce Notification



Name : RANJITH KUMAR P

Old / New Reco. No. : 13.02.01.263 /  
2920058

Faculty : Mechanical Engineering

Region : AUT-TRICHY

Mobile : 9894958888

Email : ranjjith@gmail.com

Office Address :  
M.A.M. SCHOOL OF ENGINEERING  
SIRUGANUR  
Tiruchirappalli  
621105

Proceedings for Viva-Voce  
Examination



Claim form and Account  
Particulars Submission



Synopsis / Thesis Status



Yearly Progress Report  
Approval  
Jan 2020 - Dec 2020

Document Despatched  
Status



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# Research Scholars

ANNA UNIVERSITY:: CHENNAI - 25  
Department of Mechanical Engineering  
MAM School of Engineering, Siruganur, Tiruchirappalli- 621 105

**Ph.D. Public Viva-Voce Examination**

Name of the Scholar : D. Raj kumar  
Registration Number : 20112012011  
Category of registration : Part-time  
Faculty : Mechanical Engineering  
Title of the Thesis : Process capability analysis of drilling CFRP Composites  
Date and Time of Viva-voce Examination : 26.12.2018 and 9.30 A.M.  
Venue : Seminar hall, Department of Mechanical Engineering, MAM School of Engineering, Siruganur, Tiruchirappalli - 621 105.  
Name and address of the Supervisor : Dr. P. Ranjithkumar  
Professor  
Mechanical Engineering,  
MAM School of Engineering, Siruganur,  
Tiruchirappalli - 621 105.  
Name and address of the Joint Supervisor : Nil  
(if applicable)

All are cordially invited

Date : 12.12.2018

Place : Siruganur

Signature of the Supervisor

Signature of the HoD/Director of the Centre of the Supervisor  
(Name and seal)

Copy to:

**Dr. P. RANJITH KUMAR, M.E., Ph.D.**  
**PRINCIPAL**

1. PS to Vice chancellor, Anna University, Guindy, Chennai-25.
2. PA to Registrar, Anna University, Guindy, Chennai-25.
3. The Controller of Examinations, Anna University, Guindy, Chennai-25.
4. The Director, Centre for Research, Anna University, Guindy, Chennai-25.
5. The Director, Academic courses, Anna University, Guindy, Chennai-25.
6. The Regional Director, Anna University, BIT Campus, Trichy-24.
7. The Deputy Director (Research), Anna University, BIT Campus, Trichy-24.
8. The Principals & Deans, Government Engineering College and Anna university constituent college
9. The Principals, All Self Financing Engineering Colleges in Tamilnadu
10. All HOD'S, MAM School of Engineering, Siruganur, Trichy with a request to display in the notice board.
11. Notice Board, Department of Mechanical Engineering, MAM School of Engineering, Siruganur, Trichy 621 105

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Proceedings of the Ph.D. Viva-Voco Examination of Mr.Manikandan.K hold at 02.00 PM on 03.09.2021 in SEMINAR HALL, DEPARTMENT OF MECHANICAL ENGINEERING, UNIVERSITY COLLEGE OF ENGINEERING PANRUTI, PANRUTI, via online - Zoom Meeting

The Ph.D. Viva-Voco Examination of Mr Manikandan.K (Reg. No. 2011S2012007) on his/her Ph.D. Thesis Entitled "

EXPERIMENTAL STUDIES ON WIRE ELECTRIC DISCHARGE MACHINING OF SUPERALLOYS

was conducted on 03.09.2021 at 02.00 PM in the SEMINAR HALL, DEPARTMENT OF MECHANICAL ENGINEERING, UNIVERSITY COLLEGE OF ENGINEERING PANRUTI, PANRUTI, via online - Zoom Meeting

The following Members of the Oral Examination Board were present:

- |   |                                    |
|---|------------------------------------|
| 1 Dr. V Vasu, Associate Professor, Department of Mechanical Engineering, National Institute of Technology Warangal, Warangal - 506 004 Telangana India          | Indian Examiner                    |
| 2 Dr. M Kamaraj, Professor, Department of Metallurgical and Materials Engineering, Indian Institute of Technology Madras, Chennai - 600 036 India ph 9445964269 | Subject Expert                     |
| 3 Dr. Ranjithkumar.P, Professor, Department of Mechanical Engineering, M.A.M. School of Engineering, Tiruchirappalli  | Supervisor                         |
| 4 Dr.S Muthukumaran, Assistant Professor, Department of Mechanical Engineering, University College of Engineering Panruti, Panruti - 607 106                    | Research Co-ordinator/<br>Convener |

The research scholar, Mr. Manikandan.K presented the salient features of his/her Ph.D. work. This was followed by questions from the board members. The questions raised by the Foreign and Indian Examiners were also put to the scholar. The scholar answered the questions to the full satisfaction of the board members.

The corrections suggested by the Indian/Foreign examiner have been carried out and incorporated in the Thesis before the Oral examination.

Based on the scholars research work, his/her presentation and also the clarifications and answers by the scholar to the questions, the board recommends that Mr.Manikandan.K be awarded Ph.D. degree in the Faculty of Mechanical Engineering.

*V. Vasu*

Indian Examiner

(Dr. V Vasu, MED, NIT Warangal)

*M. Kamaraj*

Subject Expert

Research Co-ordinator

03/09/2021  
Dr. S. MUTHUKUMARAN, M.E., Ph.D.  
Assistant Professor,  
Department of Mechanical Engineering,  
University College of Engineering Panruti,  
Panruti - 607 106.

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TIRUCHIRAPPALLI

Dr. P. PRANITH KUMAR, M.E., Ph.D.,  
Principal  
M.A.M. School of Engineering





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Proceedings of the Ph.D. Viva-Voce Examination of Mr. Vijayan.K held at 2.30 PM on 28.05.2019 in SEMINAR HALL M.A.M SCHOOL OF ENGINEERING TRICHY PIN CODE-621105

The Ph.D. Viva-Voce Examination of Mr. Vijayan.K (Reg. No. 2011S2012016) on his/her Ph.D. Thesis Entitled " EXPERIMENTAL INVESTIGATION AND PARAMETRIC OPTIMIZATION OF LASER BEAM WELDING FOR LOW CARBON STEEL " was conducted on 28.05.2019 at 2.30 PM in the SEMINAR HALL M.A.M SCHOOL OF ENGINEERING TRICHY PIN CODE-621105.

The following Members of the Oral Examination Board were present:

1. Dr. P. Asokan ,Professor,Department of Production Engineering  
National Institute of Technology ,Tiruchirappalli - 620 015 Tamil Nadu Indian Examiner
2. Dr. M. Kamaraj,Professor,Department of Metallurgical and  
Materials Engineering,Indian Institute of Technology  
Madras,Chennai - 600 036 Subject Expert
3. Dr. Ranjithkumar.P,Professor, Department of Mechanical  
Engineering, M A M School of Engineering,Tiruchirappalli Supervisor

The research scholar, Mr. Vijayan.K presented the salient features of his/her Ph.D. work. This was followed by questions from the board members. The questions raised by the Foreign and Indian Examiners were also put to the scholar. The scholar answered the questions to the full satisfaction of the board members.

The corrections suggested by the Indian/Foreign examiner have been carried out and incorporated in the Thesis before the Oral examination.

Based on the scholars research work, his/her presentation and also the clarifications and answers by the scholar to the questions, the board recommends that Mr. Vijayan.K be awarded Ph.D. degree in the Faculty of Mechanical Engineering.

*Asokan 28/5/19*  
Indian Examiner

*M. Kamaraj*  
28/5/2019  
Subject Expert

*[Signature]*  
Dr. P. RANJITH KUMAR, M.E., Ph.D.  
PRINCIPAL  
M.A.M. School of Engineering  
Siriganur, Trichy-621 105.

*[Signature]*  
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SIRIGANUR, TIRUCHIRAPPALLI-621 105.





Dr. R. JAYAVEL  
DIRECTOR

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CHENNAI - 600 025



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



Lr. No. 20092032007/Ph.D./AR4

Date : 25.05.2018

To  
Dr. P. Ranjith Kumar  
Principal  
Professor of Mechanical Engineering  
MAM School of Engineering  
Siruganur  
Tiruchirappalli 621105

Sir/Madam,

**Sub : Anna University - Ph.D. Programme - Evaluation Reports of the Examiners -  
Forwarded - Reg.**

I am enclosing the copies of the reports received from the Examiners who evaluated the thesis of Mr.K.Ilayaraja. The reports may be placed before the Doctoral Committee for its consideration and recommendation. The research scholar may be instructed to incorporate all the corrections suggested by the Examiners in the thesis and resubmit the same to this office within three months. The fact that all the corrections have been carried out should be recorded in the minutes of the Doctoral Committee meeting.

I also request you to forward a panel of three experts (specialized in the topic of research) from reputed institutions (preferably from IITs, NITs and Government Institutions, other than Parent Institution) along with their publications (in reputed journals indexed with Scopus/Web of Science/Thomson Reuters/ISI with impact factor during the last five years) approved by the Doctoral Committee for constituting an Oral Examination Board. No two experts shall be from the same Institution. The recommendation of the Committee and the panel of experts (downloaded from the website) along with the corrected thesis shall be sent to the undersigned for taking further action.

Yours faithfully,

*R. Jayavel*  
DIRECTOR

Encl : Copies of the Evaluation Report  
of the Examiners and Thesis

*[Signature]*  
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25/5/18



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# **Dr. S. Muruganandam**

**Supervisor for Guiding Ph.D and M.S. (By Research)  
scholars of this university under the faculty of Science and  
Humanities.**





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**ANNA UNIVERSITY OF TECHNOLOGY**  
**TIRUCHIRAPPALLI - 620 024**

Dr. K. Ruckmani  
Director (Research)

<http://anna-tau.edu.in>

Date: 13.10.2010

Lt.No. TAU/CFR/287


Sub: Ph.D. Programme - Recognition of Supervisor - Order - Issued.

\*\*\*\*\*

I am pleased to inform, that you are recognized as a Supervisor for guiding Ph.D. & M.S. (By Research) Scholars of this University under the **Faculty of Science and Humanities**.  
The supervisor recognition number is **11.05.04.585**.

The functions and responsibilities shall be described in the Ph.D. / M.S. (By Research) regulations of Anna University of Technology Tiruchirappalli, Tiruchirappalli.

Kindly quote the reference no. **11.05.04.585** in all future correspondence.

  
Director (Research)

To  
Dr.S.Muruganandam  
Professor  
Department of Mathematics  
TRP Engineering College  
Irungalur - 621 105  
Mannachanallur Taluk  
Tiruchirappalli District

  
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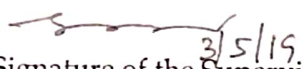
Department of Mathematics  
M.A.M. School of Engineering  
Siruganur, Trichy - 621 105

**Ph.D. Public Viva-Voce Examination**

Name of the Scholar : K.Hema  
Registration Number : 2011S5012005  
Category of registration : Part-time  
Faculty : Science & Humanities  
Title of the Thesis : Contributions to the Study on Assignment Problems in  
Fuzzy Environment  
Date and Time of Viva-voce Examination : 22.05.2019, 10.15 A.M  
Venue : Seminar Hall,  
M.A.M. School of Engineering,  
Siruganur, Trichy - 621 105.  
Name and address of the Supervisor : Dr. S. Muruganandam,  
Professor & Head,  
Department of Mathematics,  
M.A.M. School of Engineering,  
Siruganur, Trichy-621 105.

All are cordially invited


Signature of the Supervisor

  
**Dr. S. MURUGANANDAM**  
Professor and Head  
Department of Mathematics  
M.A.M. School of Engineering  
Siruganur, Trichy - 621 105

Date : 03.05.2019


Place: Trichy

Signature of the HoD/Director of the Centre of the Supervisor

  
**Dr. P. RAGHAV KUMAR, M.E., Ph.D.**  
PRINCIPAL  
M.A.M. School of Engineering  
Siruganur, Trichy-621 105.

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2. The Controller of Examinations, Anna University, Chennai-600 025.
3. Dr. R. Balasubramian, Head, Institute Computer Centre, Indian Institute of Technology Roorkee, Roorkee-247667
4. Dr. J. Subramani, Professor, Department of Statistics, Ramanujan School of Mathematical Sciences, Pondicherry University, Pondicherry-605014.
5. The Principal, M.A.M. School of Engineering, Siruganur, Trichy-621 105.
6. The Principal, M.A.M. College of Engineering and Technology, Siruganur, Trichy-621 105.
7. The Principal, Anna University Affiliated Engineering Colleges.

  
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Department of Mathematics  
M.A.M. School of Engineering  
Siruganur, Trichy - 621 105


Ph.D. Public Viva-Voce Examination

Name of the Scholar : P. Ambika  
Registration Number : 201155012001  
Category of registration : Part-time  
Faculty : Science & Humanities  
Title of the Thesis : A Study on Linear Fractional Programming Problems in Fuzzy Environment  
Date and Time : 11.02.2019; 10.25 A.M  
Venue : Seminar Hall,  
M.A.M. School of Engineering,  
Siruganur, Trichy - 621 105.  
Name and address of the Supervisor : Dr. S. Muruganandam,  
Professor & Head,  
Department of Mathematics,  
M.A.M. School of Engineering,  
Siruganur, Trichy-621 105.

All are cordially invited


  
23/1/19  
Signature of the Supervisor  
**Dr. S. MURUGANANDAM**  
Professor and Head  
Department of Mathematics  
M.A.M. School of Engineering  
Siruganur, Trichy - 621 105

Date : 23.01.2019  
Place : Trichy

  
Signature of the HoD/ Director of the Centre of the Supervisor  
**Dr. P. PRANJITH KUMAR, M.E., Ph.D.**  
(Name and seal)  
PRINCIPAL  
M.A.M. School of Engineering  
Siruganur, Trichy-621 105.

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1. The Director, Centre for Research, Anna University, Chennai-600 025.
2. The Controller of Examinations, Anna University, Chennai-600 025.
3. Dr. Rais Ahmad, Professor, Dept. of Mathematics, Aligarh Muslim University, Aligarh-202002.
4. Dr. C. Durairajan, Associate Professor, Dept. of Mathematics, Bharathidasan University, Trichy-620 024.
5. The Principal, M.A.M. School of Engineering, Siruganur, Trichy-621 105.
6. The Principal, Bishop Heber College, Trichy-620 017.
7. The Principal, Anna University Affiliated Engineering Colleges.

  
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