Coimbatore

07.01.2019

From

Dr.P.Chandramohan,

Professor,

Sri Ramakrishna Engineering College,

Coimbatore - 641022

To

The Director,

Centre For Research

Anna University

Chennai - 600025.

Respected Sir/Madam,

Sub: Minutes of Second Doctoral Committee

Ref: Provisional Confirmation Letter No.”17132691349/Ph.D./AR10”

With reference to the above cited letter, the Second Doctoral Committee meeting for confirmation of Provisional Registration was convened for the scholar Mr.Tamizhinian.V (Reg.No.17132691349) on …… in Department of Mechanical Engineering at Sri Ramakrishna Engineering College, with the respective doctoral committee members. The Scholar has also completed the Comprehension examination on ….. between 9.30 am to 12.30pm. The results of the course work examination and Comprehension exam were discussed. The DC members were satisfied by the performance of the scholar during his presentation.

In this regard, herewith I have enclosed the following documents:

ix) Minutes of the second doctoral committee meeting

x) Claim forms of the members

xi) Necessary documents as per check list

xii) Comprehensive Examination Evaluation Performance.

Thanking You,

Yours sincerely,

**ONLY TO BE VIEWED AS CONTENT**

**CENTRE FOR RESEARCH**

**ANNA UNIVERSITY, CHENNAI – 600 025**

**Research Performance Assessment**

1.Name and Registration No. of the Scholar :

2.Programme :

3.Title of research work:**Developing a low cost FDM 3D printer and investigating the Additive Manufacturing process on the same with process parameters on mechanical properties of printed parts**

4. Objectives of research work :

1. Design and development of a rapid prototyping machine and to find out the mechanical properties of the fused filament fabricated parts, by following ASTM D638 tensile testing and ASTM D790 flexural testing procedures.
2. Also the technique involves good amount of process parameters, which is to be considered for optimization between the cost and quality of printed products, effect of various process parameters on mechanical properties are to be analysed.

5. Date of previous DC/MC meeting :

6. Brief report of the research work carried out between previous and present DC/MC meeting. Mention the objectives completed:

As suggested by DC members, scholar has completed his course work subjects and written comprehensive exams and passed in all with CGPA of 8.0.The detailed literature review about “Additive manufacturing processes, low cost machine design techniques for 3D printers and the consequences involved” has been carried out. The scholar has given the presentation on ” **Developing a low cost FDM 3D printer and investigating the Additive Manufacturing process on the same with process parameters on mechanical properties of printed parts**

7. List research papers published/accepted for publication/communicated for publication/Patents (National/International) filed/ approved:

8. National/ International Conferences/Symposium attended (Give details such as Name of the conference, venue, title, period):

9. Overall assessment and comments about the progress of the research scholar:

Sri Ramakrishna Engineering College

Coimbatore-641022

Department of Mechanical Engineering

**CIRCULAR**

01.2019

This is to inform that there will be a seminar presentation by the Ph.D. Research scholar Mr.Tamizhinian.V (Reg.No. 17132691349) on the topic “Developing a low cost FDM 3D printer and investigating the Additive Manufacturing process on the same with process parameters on mechanical properties of printed parts” on ……. in Department of Mechanical Engineering at Sri Ramakrishna Engineering College. All the faculty members, Research scholars and PG students are cordially invited to attend the seminar presentation.

Supervisor

(Dr.P.Chandramohan)

**Copy to:**

1. The Principal for kind information.

2. All HODs/Section In-charges.

Sri Ramakrishna Engineering College

Coimbatore-641022

Department of Mechanical Engineering

**CIRCULAR**

01.2019

Sub: Provisional Registration – Confirmation- Mr. Tamizhinian.V (Reg.No. 17132691349) -Reg

Second Doctoral Committee Meeting for Mr. Tamizhinian.V (Reg.No. 17132691349) - AP/Mech, professional Group of Intuitions is scheduled on towards Provisional Registration Confirmation.

Title: Developing a low cost FDM 3D printer and investigating the Additive Manufacturing process on the same with process parameters on mechanical properties of printed parts

Venue: ,SREC, Coimbatore

Date:

Time:

All interested faculty members are requested to attend.

Supervisor

Copy to:

* Dr.Kamaraj, Professor, Department of Metallurgical and material science, Indian Institute of Technology, Chennai-600036
* Dr.V.Balusamy, Asscociate professor, Department of Metallurgical Engineering, PSG College Of Tech,CBE-641004
* Head of the Department / Director of the Centre Supervisor
* The Director Research, Anna University, Chennai-600025

**ANNA UNIVERSITY: CHENNAI 600 025**

**Ph.D.- Attendance Particulars for the Seminar Presentation**

Name of the Candidate : Tamizhinian.V

Registration Number : 17132691349

Topic of the seminar : Developing a low cost FDM 3D printer and investigating the Additive Manufacturing process on the same with process parameters on mechanical properties of printed parts

Date and Time :

Venue : SREC, Coimbatore

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| S.No. | Name | Designation/ Department | Signature |
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Signature of the Supervisor

(Dr.P.Chandramohan)

**ANNA UNIVERSITY: CHENNAI 600 025**

Sri Ramakrishna Engineering College

Coimbatore-641022

Department of Mechanical Engineering

**COMPREHENSIVE EXAMINATION**

Name of the Candidate : Tamizhinian.V

Registration Number : 17132691349

Date and Session of Exam :

Name of the Supervisor : Dr.P.Chandramohan

Name of the Centre : Sri Ramakrishna Engineering College,Coimbatore

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| --- | --- |
| **Question Number** | **Marks** |
| Part A (2 X 10) |  |
| Part B (16 X 5) |  |
| Total mark (Out of 100) |  |
| Mark in Words |  |

**Name and Signature of the Supervisor**

**(Dr.P.Chandramohan)**