

Half-Yearly Progress Report for Jul-Nov 2018

Data Sheet for Ph.D Scholars

Name: Sonam Gupta

Registration No: CS18D005

Department: Computer Science and Engineering

Date of Joining: 16th July 2018

Date of Upgradation (if any):

Specialization / Stream:

Area of Research work: Computer Vision

Category of Admission: HTRA

Guide: Prof. Sukhendu Das

Co-Guide(s):

Date of DC meetings:

| Description | Event | Date |
|----------------------------|--------------------------------------------------------------------------------------------|--------------------------------------|
| 1 st DC meeting | Comprehensive Viva | Attempt 1 : Attempt 2 : |
| 2 nd DC meeting | Research Proposal Seminar (1 st Seminar) | |
| 3 rd DC meeting | Mid-Term Review DC meeting (3-3.5 years from the date of joining) | |
| 4 th DC meeting | Research Colloquium (2 st Seminar) | |
| Six monthly DC meeting | After five years from the date of registration, upto maximum period of the programme | SMD 1: SMD 2: SMD 3: SMD 4: |
| Final DC meeting | Synopsis at Dean AR Office | |

Details of Course Work

| S.No | Course No | Course Title | Sem/Year | Credit | Grade |
|----------------------------------------------|-----------|-----------------------------------------------|----------|--------|-------|
| Core Courses | | | | | |
| 1. | CS6015 | Linear Algebra and Random Processes | 1 | 12 | |
| 2. | CS5691 | Pattern Recognition and Machine Learning | 1 | 15 | B |
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| Elective Courses | | | | | |
| 1. | CS5020 | Nonlinear Optimization: Theory and Algorithms | 1 | 12 | |
| 2. | CS5800 | Advanced Data Structures & Algorithms | 1 | 12 | |
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| Compulsory Courses / Optional Courses | | | | | |
| 1. | ID6020 | Introduction to Research (Institute Module) | 1 | 0 | Pass |
| 2. | CS6021 | Introduction to Research | 1 | 0 | |
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Sonam

Signature of Scholar

[Signature]
12/12/18
Signature of Guide

Signature of Co-Guide 1

Signature of Co-Guide 2

Contents

i) Title of Research Work

As I am still in the very beginning phase, the Title has not yet been decided.

ii) Problem Definition / Research Objectives

I am exploring different areas within Computer Vision to scope out the problem.

iii) Summary of Work Done before Review (From Date of Admission till now)

I have completed the required Coursework.

iv) Work Done during Review (Odd Semester 2018)

During the first semester, I have worked mostly upon improving/gaining knowledge in foundation courses that will help in research. I believe that the fundamentals built by learning these courses will help me to better understand that literature in the area.

v) Issues affecting Research Progress, if any

None

vi) Future Plans, with proposed timeline

For the next semester, I plan to complete the following courses:

1. Computer Vision
2. Deep Learning
3. Reinforcement Learning (tentative)

I also plan to read out the literature while scoping out the problem that I would like to work upon. I will give my first attempt of Comprehensive Viva and will prepare for the same during the second semester.

vii) Visible Research Output:

- (a) Paper(s) Published in Journals
None

- (b) Full Paper(s) Published in Conference Proceedings
None

- (c) Seminars/Workshops/Conferences/Exchange programs attended and Papers Presented
I am attending 11th Indian Conference on Computer Vision, Graphics and Image Processing (ICVGIP 2018). This will give a bigger picture about the current/future areas of focus in the field of Computer Vision along with an opportunity to meet and network with other people across the country working in this area.

- (d) Awards/Honours, if any
None