

Half Yearly Progress Report for Jul-Nov 2019

Data Sheet for M.S Scholars

Name: Arti Keshari

Registration No: CS19S008

Department: Computer Science

Date of Joining: 22 July, 2019

Specialization / Stream: Computer Vision

Area of Research work: Computer Vision

Category of Admission: HTRA

Guide: Prof. Shukendu Das

Co-Guide(s): -

Date of GTC meetings:

Description	Event	Date
1 st GTC meeting	Research Scholar will have a Mid-Term Review meeting. GTC may recommend on continuation of HTRA.	1.5 years
2 nd GTC meeting	Seminar	
3 rd GTC meeting	Submission of Synopsis	1 month before thesis submission

Details of Course work

S.No	Course No.	Course Title	Sem/Year	Credits	Grade
Core Courses					
1	CS6015	Linear Algebra and Random Processes	1	12	
2	CS6350	Computer vision	1	12	
Elective Courses					
1	5691	Pattern Recognition and Machine Learning	1	15	
Compulsory Courses / Optional Courses					
1	ID6020	Introduction to Research	1	0	
2	CS6021	Introduction to Research	1	0	

Signature of Scholar
Date:

Signature of Guide
(Prof. Sukhendu Das)

Contents

i) Title of Research Work

Deep learning in computer vision (tentative).

ii) Problem Definition / Research Objectives

Still exploring different subareas of computer vision and deep learning, and trying to figure out my interest.

iii) Summary of Work Done before Review (From the date of admission till now)

In first semester, I did three courses ‘computer vision’, ‘linear algebra and random processes’, and ‘pattern recognition and machine learning’. These courses clear my concepts, and build basic understanding for my research work. While doing these courses, I did five assignments and one project in total. I dedicate this semester mainly on course work and read few papers on scene graph generation and monocular depth estimation. Also, I gave a presentation on monocular depth estimation during introduction to research course.

iv) Work Done During Review (Even Semester 2019)

Completed my course work.

v) Issues affecting Research Progress, if any

None.

vi) Future Plans, with proposed timeline

I am planning to do three courses next semester, deep learning, image signal processing and probabilistic graphical model (tentative). These courses will help to have in depth knowledge for my research work.

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 Programmes attended and Papers Presented
Frequently attend seminars of my lab only. But, highly interested in attending such programme in future.

(d) Awards/Honours, if any

None

Format for Listing of Papers under Visible Research Output:

[S.No] "Title of the Paper", in Journal/Conference Name, "Author1, Author2, ... (as appearing in paper)", Year of Publication, DOI, ISSN, Volume, Issue No., Page Start, Page End, Publisher, Open-Access-(Yes/No), Indexed By-(Scopus/WOS/ICI)