Half Yearly Progress Report for Jan-May/Jul-Nov 2020

Data Sheet for M.S Scholars

Name: Shivangi Shreya

Registration No: CS20S015

Department: Computer Science and Engineering

Date of Joining: 7th September, 2020

Specialization / Stream: Computer Vision

Area of Research work: Not decided

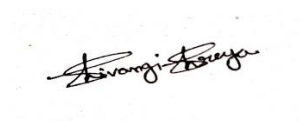**Category of Admission:** HTRA

Guide: Sukhendu Das

Co-Guide(s): None

Date of GTC meetings:

Description	Event	Date
1st GTC meeting	Research Scholar will have a Mid-Term Review meeting. GTC may recommend on continuation of HTRA.	1.5 years
2nd GTC meeting	Seminar	
3rd 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					
	CS6350	Computer Vision	1	12	
	CS6015	Linear Algebra and Random Processes	1	12	
	CS5800	Advanced Data Structures and Algorithms	1	12	
Elective Courses					
Compulsory Courses / Optional Courses					
	ID6020	Introduction of Research(Institute Module)	1	0	

Signature of Scholar

Signature of Guide

Signature of Co-Guide 1

Signature of Co-Guide 2

Contents

i) Title of Research Work

Not yet

ii) Problem Definition / Research Objectives
Looking forward to do my research in the area of Computer Vision.

iii) Summary of Work Done before Review (From the date of admission till now)
I mainly studied the courses which I found important for building my foundation concepts.
I took these four courses in my first semester:
1. Computer vision
2. Linear Algebra and Random Processes
3. Advanced Data Structures and Algorithms
4. Research Methodology

iv) Work Done During Review (Odd / Even Semester 2020)
1. **Computer Vision:**
   I learnt about the foundation concepts. The topics are interesting and encourage to learn and explore more deeply. The Term Project Assignment is an interesting part of the course. I am learning about how to proceed with a project, reading some research papers, applying different concepts and analysing the methods.
2. **Linear Algebra and Random Processes:**
   I found this course very helpful in building my basic concepts. I recognised how important this course is for the research in Intelligent Systems. It encouraged me to read more and explore more in the area as well as solved many mathematics problems which I was facing before taking this course.
3. **Advanced Data Structures and Algorithms:**
   Analysing different algorithms and improving the complexity were very helpful. It also build my basic concepts.
4. **Research Methodology:**
   I really found this course helpful for my future research. The ethics and introduction of different software for referring and exploring journals were really helpful.

v) Issues affecting Research Progress, if any

None

vi) Future Plans, with proposed timeline

I am planning to study these courses in my next semester:
1. Pattern Recognition and Machine Learning
2. Concepts of Statistical Learning Theory
3. Fundamentals of Deep Learning

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- None

(d) Awards/Honours, if any - None