**LITERATURE SURVEY**

PAPER 4:

TITLE: A System for Accessible Artificial Intelligence

AUTHOR: Randal S. Olson, Moshe Sipper, William La Cava, Sharon Tartarone, Steven Vitale, Weixuan Fu, John H. Holmes, and Jason H. Moore.

PUBLISHED ON: 2017

CONCEPT: AI system that is specialized for machine learning analysis of complex data in the biomedical and health care domains. We discuss how genetic programming can aid in this endeavor, and highlight specific examples where genetic programming has automated machine learning analyses

ADVANTAGE:

1. provide automatically generated results that are informed by previous analyses across different data sets.
2. GP can also be harnessed to optimize a sequence of existing data analysis

DISADVANTAGE:

1. Integrating GP into PennAI
2. To bring AI technology to anyone that wants to use it for big data analytics.

PAPER 7:

TITLE: The Communication System

AUTHOR: Dr. Radhika Kapur

CONCEPT: Basic concept of communication system is discussed. The elements of communication system is explained in brief.

ADVANTAGE:

1. numerous components to operate
2. impart adequate understanding in terms of the communication system
3. At the lower values, the noise causes a reduction in the fidelity in analog communication and produces the errors in digital communication.

DISADVANTAGE:

1. to accommodate the signal spectrum
2. to understood that the rate of information transmission cannot exceed the channel capacity