Class 8th

Main areas in Artificial Intelligence

Just like us, we also want our machines to be able to see things, understand language, and

make sense of numbers. This has resulted in 3 domains in AI or 3 broad fields where AI is

being used.

Why are there different domains?

Depending on the type of data, we can divide AI into different domains.

Introspection Activity on how we speak:

Purpose :To introduce the concept of Natural Language

Processing.

Say: Students need to introspect how they respond to a question

posed to them and answer the questions given below.

• Uses cameras

• Contains images and videos

• Example – Images of cats, videos

of moving vehicles on a road

• Uses keyboards, mic and scanner

• Contains spoken or written language

• Example –Textmessages,

voice commands

• Usesmachines, sensors and people

• Contains numbers

• Example – Age of people in a

city, marks scored in an exam

Computer Vision :

The ability of machines to see the world.

Natural Language Processing:

The ability of machines to understand human language.

Statistical Data:

The ability of machines to understand numbers.