

BLUE BRAIN



INTRODUCTION...

- ❖ Human brain is the most valuable creation of of God.
The man is called **intelligent** because of the Brain.
- ❖ Today we developed because we can **think** , which other animals cannot do, but we **loss knowledge** of the brain when the **body is destroyed** after the death of man.
- ❖ That knowledge can be used for the **development of the society.**
- ❖ What happen if we create a brain and **upload the content of natural brain into it ...?**



WHAT IS BLUE BRAIN...?



- IBM is now developing Blue Brain which is going to be the **World's first virtual brain** within 30 years.
- We will be able to **scan ourselves** onto the computers.
- Artificial brain that can **think, response, take decision** and keep anything in memory.
- After the death of the body the virtual Brain will **act as a Man.**

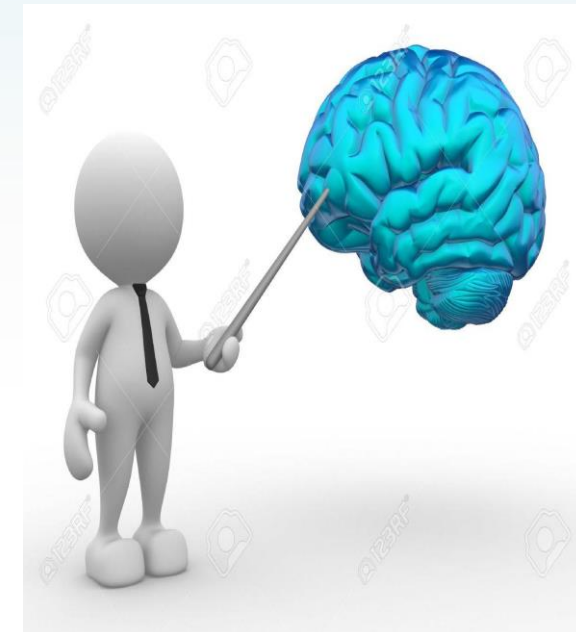
ADVANTAGES OF BLUE BRAIN

- It acts as a **Supercomputer**.
- Improvements in **processing** , **speed** and **memory** could make entire human brain **stimulated**.
- Things could be **remembered** without any effort.
- Use the **intelligence** of the person after death.
- It can make **decisions** entirely of its own.
- Allowing the deaf to hear Via direct **nerve simulation**.



DISADVANTAGES OF BLUE BRAIN

- We become **dependent** upon the computer.
- Another fear is found with respect to **human cloning**.
- A very costly procedure of **regaining** .e memory back.



BRAIN SIMULATIONS

Natural Brain

- **INPUT**
 - Through the natural neurons.
- **INTERPRETATION**
 - By different states of the neurons in the brain.
- **OUTPUT**
 - Through the natural cells.
- **PROCESSING**
 - Through arithmetic and logical calculations.
- **MEMORY**
 - Through permanent states of neurons.



Virtual Brain

- **INPUT**
 - Through the silicon chip or artificial sensory cells.
- **INTERPRETATION**
 - By a set of bits in the set of register.
- **OUTPUT**
 - Through the silicon chip.
- **PROCESSING**
 - Through arithmetic and logical calculations and artificial intelligence.
- **MEMORY**
 - Through secondary memory.



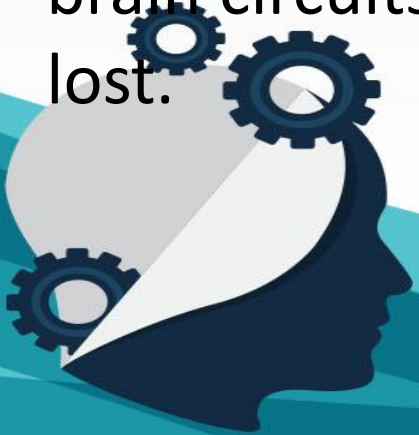
UPLOADING HUMAN BRAIN...

- The uploading is possible by the use of Small robots known as **Nanorobots**.
- These robots are small enough to travel through out our **circulatory system**.
- Travelling into the Spine and Brain , they will be able to **monitor** the activity and **structure** of our central nervous system.
- They will be able to provide an **interface** with computer that is as close as our mind can be while we still reside in our **biological form**.



BLUE BRAIN POWER...!

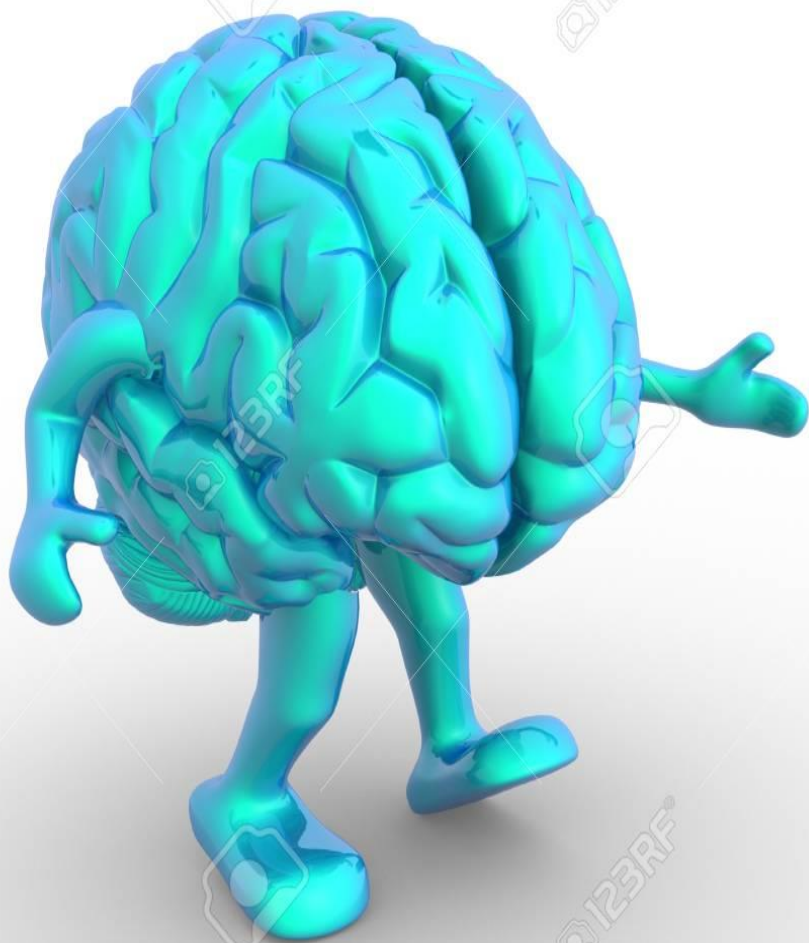
- The human brain has **100 billions** , nerve cells that enable us to adapt quickly to an immense **array of stimuli**.
- Blue Brain is a technology that uses “**Blue Gene**” a supercomputer capable of processing **228 TELOPS**.
- The main aim of Blue Brain is to **build an software replica** or **template** which could reveal many existing aspects of the brain circuits , memory , capacity and how memories are lost.



CONCLUSION



- ✓ Will be able to **transfer ourselves** into the computer at some point.
- ✓ Eventually aim of applying **terrific computer power** to the simulation of an entire brain.
- ✓ Very soon this technology will be **highly accepted** whole over the world.



THANK YOU..