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**SAMPLE ABSTRACT FOR SEMINAR TOPIC REGISTRATION**

# TYBCA(Sem-6) 2021-22

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**604 : Seminar on Information Technology Innovations & Trends**

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## Title : B.B(Blue Brain)

## Abstract:

*Issues :* Today in world lots of people have greatest Intelligence with inborn quality. Some people have this quality . But the problem is that we lost that type of intelligence after people death . so using blue brain(virtual brain) we solve that type of problem.

*Objective*: The aim of Blue Brain is to establish **simulation neuroscience** as a complementary approach alongside experimental, theoretical and clinical neuroscience to understanding the brain, by building the world's first biologically detailed digital reconstructions and simulations of the mouse brain.

The supercomputer-based simulations and reconstructions built by Blue Brain offer a radically new approach for understanding the multi-level structure and function of the brain.

*Approach / Methodology:* We are not developing a new system instead we will try to demonstrate methods and technological infrastructure behind the B.B(Blue Brain).

*Application:* This system helps medical communities, pharmaceutical companies, also in all industry for alive a intelligent brain using B.B technology(virtual brain).

*Future Works:* In future this technology will be **useful in diagnosis of malfunction of human brain** as well as development of treatments for neurological disorders [1]. Since this technology is useful to study the flow of the signals transferred from brain to the sensory cell and from sensory cell to brain.

**References**:

1.  B.B(BlueBrain):https://www.epfl.ch/research/domains/bluebrain/#:~:text=The%20aim%20of%20Blue%20Brain,simulations%20of%20the%20mouse%20brain.

2.  Future Of Brain Computer Interface: https://www.irjet.net/archives/V3/i4/IRJET-V3I4275.pdf