TOPIC: NEUROMORPHIC COMPUTING

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INTRODUCTION:

- TYPE OF COMPUTING THAT WORKS AS HUMAN BRAIN BY USING ARTIFICIAL NEURONS AND SYNAPES

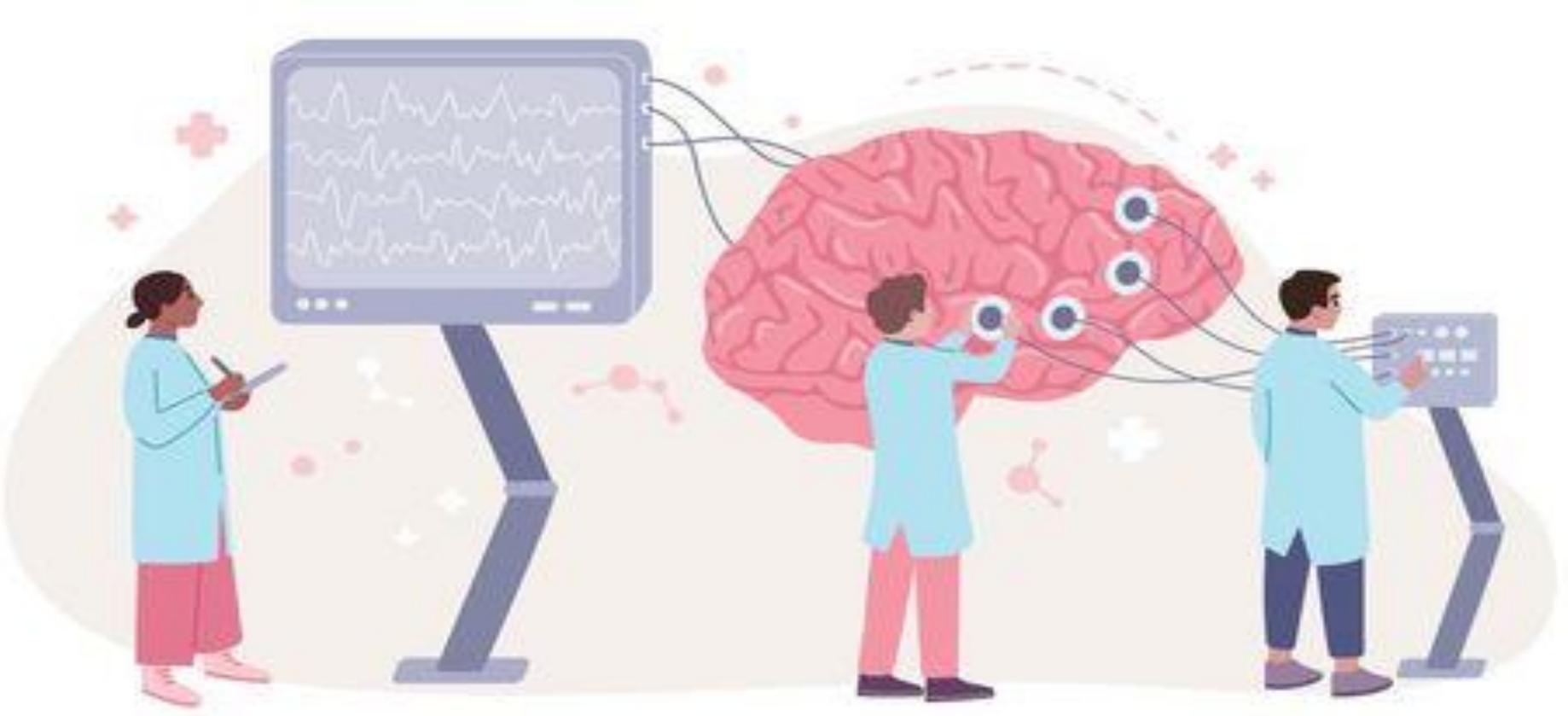
IMPORTANCE:

ADAPTIVE, EFFICIENT AND ENERGY SAVING TECHNOOGY

AIM: MIMICS THE FUNCTIONALITY OF HUMAN BRAIN

HOW IT WORKS?

- By using artificial neurons and synapes
- Event driven processing(processes when needed)
- Events happening at the same time



NEUROMORPHIC COMPUTING

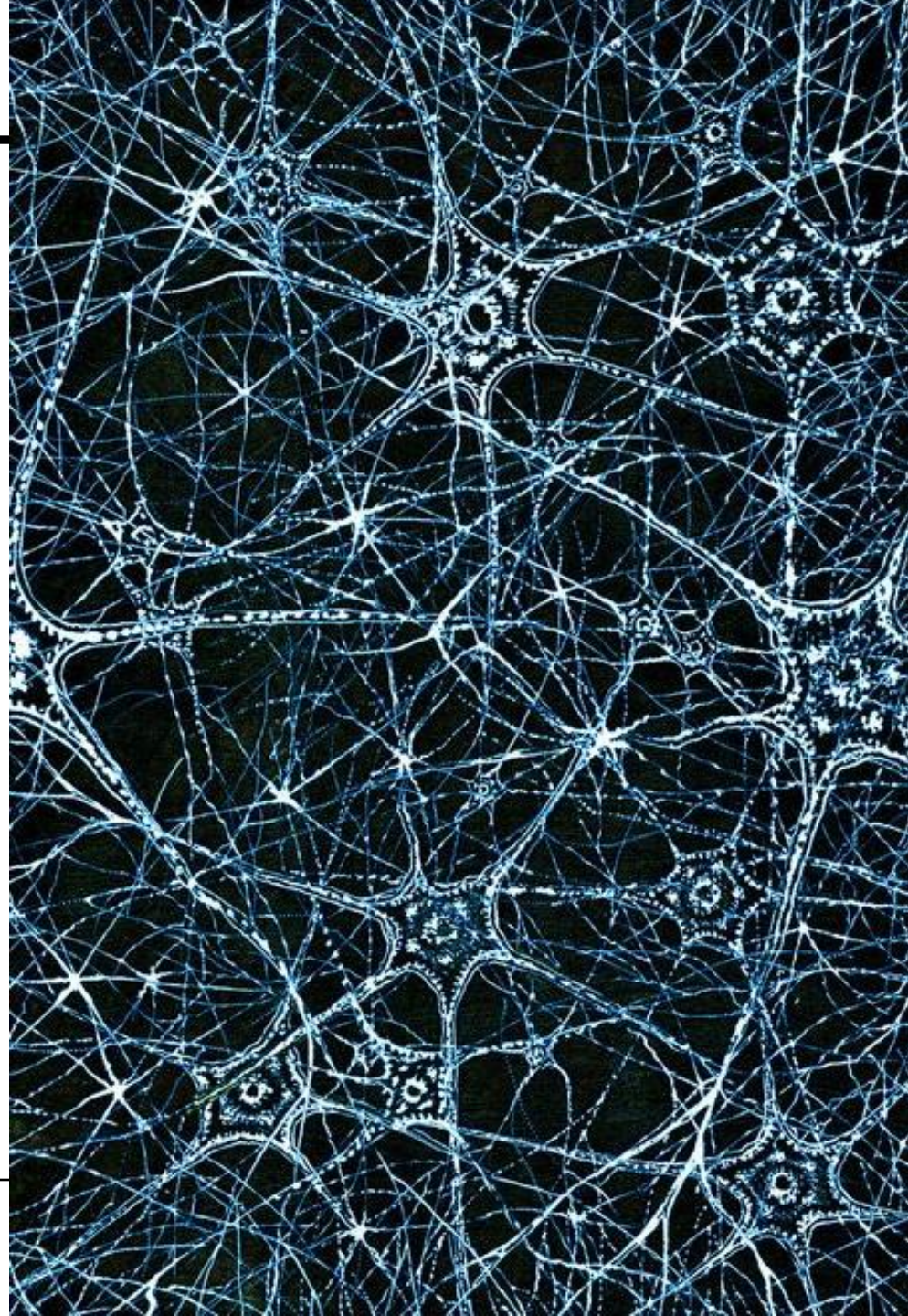
APPLICATIONS:

- ARTIFICIAL INTELLIGENCE:

  Smarter and energy efficient systems

- HEALTHCARE:

  Diagnosis of various diseases



EXAMPLES:

INTEL LOIHI:

Efficient AI chip with learning capabilities

IBM TrurNorth:

Mimics 1 million neurons for tasks

THANK YOU