



SNS COLLEGE OF TECHNOLOGY
DEPARTMENT OF BIOMEDICAL ENGINEERING



Bio engineering

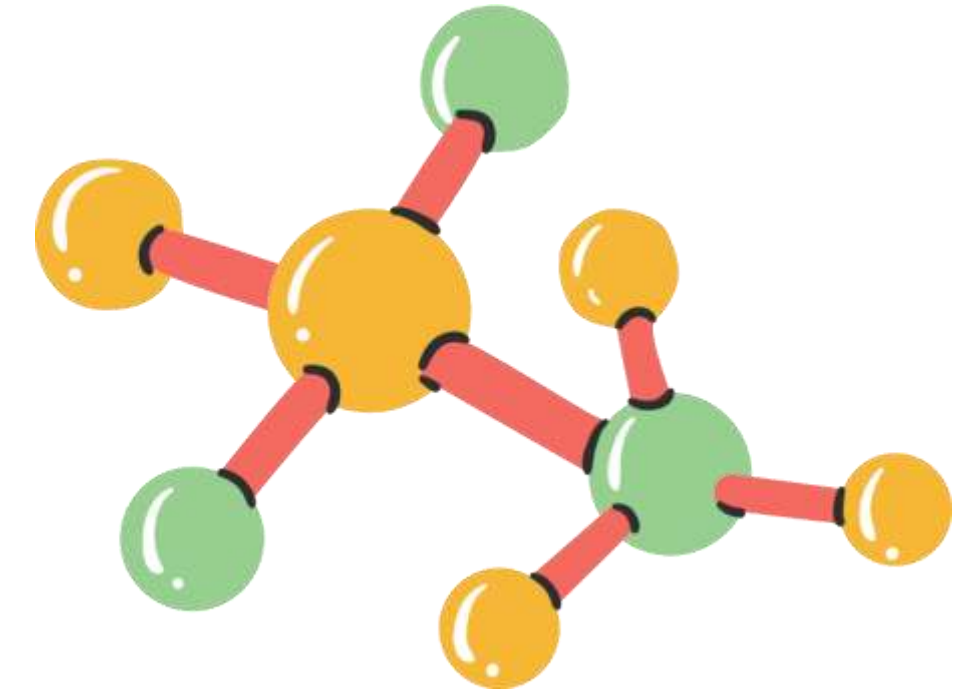
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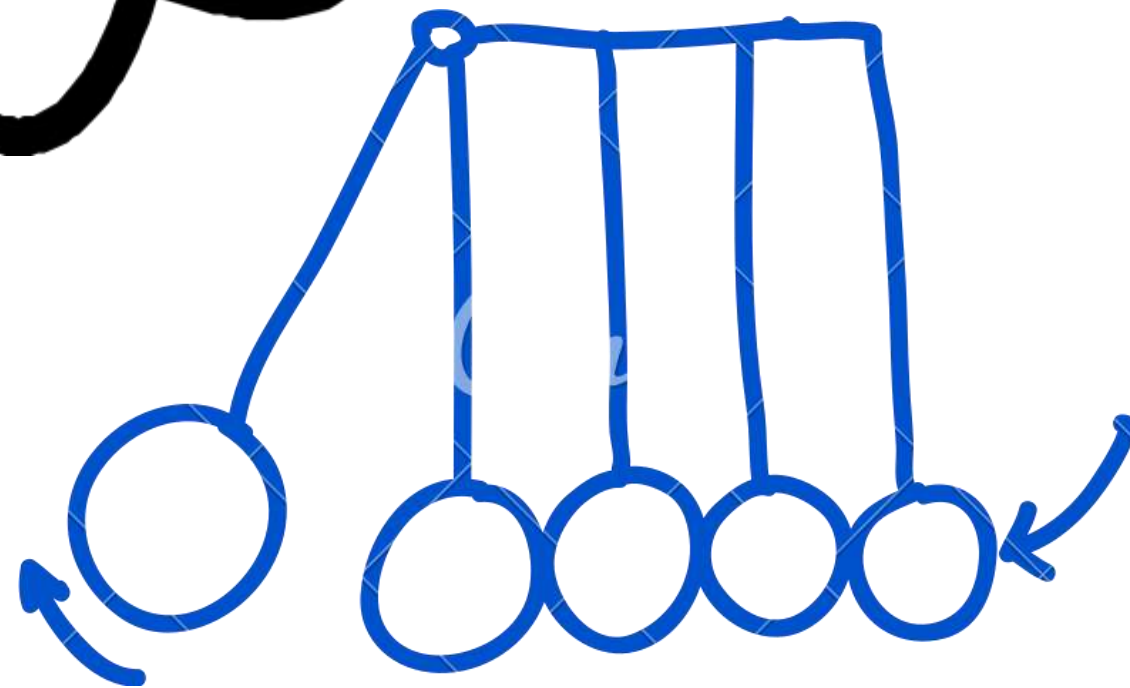
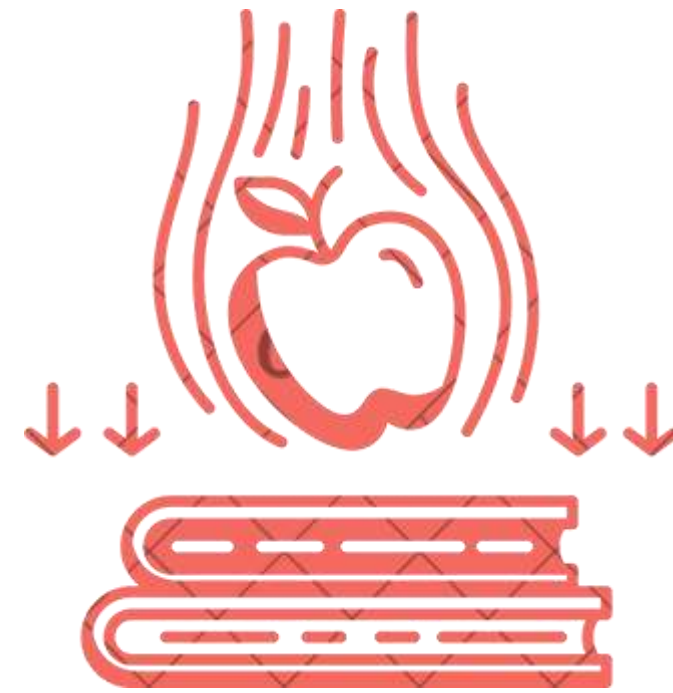
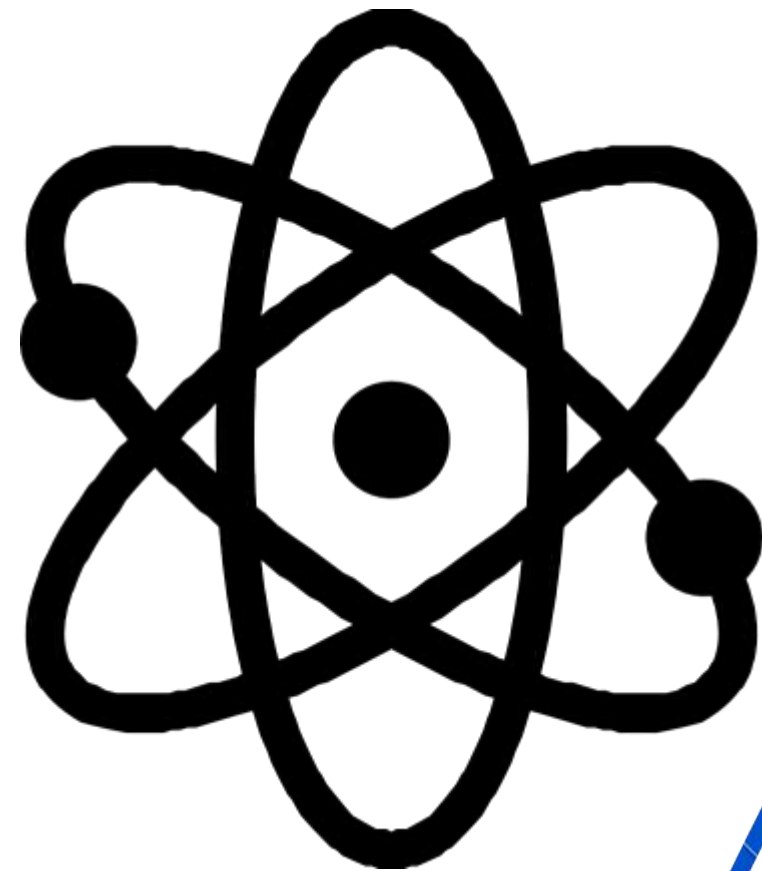
Field of Study

Bioengineering is a vast discipline which focuses on theories of life sciences include, physical, chemical and biological process.

It encompasses many sub-domains which mainly focused on process of sciences.



$$E = m \cdot c^2$$



Theories

- Newton's Law
- Boyle's Law
- Charles Darwin's Supremacy

These theories deals with basic functionalities of life processes which includes chemical reactions, physical functions and also biological well-being.



Applications

Biomedical Engineering

Biomechanics

Biochemical Engineering

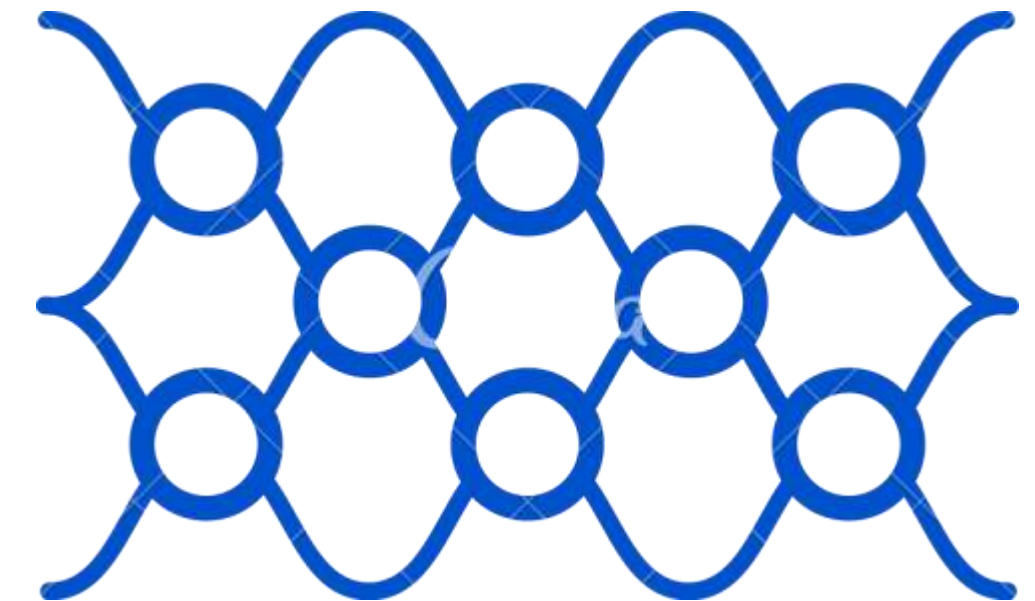
Neural Engineering

Genetic Engineering

Nanotechnology

Tissue Engineering

Bioprinting





Biomedical Engineering

Biomedical engineering is the application of the principles and problem-solving techniques of engineering to biology and medicine. Biomedical engineers focus on advances in technology and medicine to develop new devices and equipment for improving human health.

Genetics

Genetic engineering (also called genetic modification) is a process that uses laboratory-based technologies to alter the DNA makeup of an organism. This may involve changing a single base pair (A-T or C-G), deleting a region of DNA or adding a new segment of DNA.



Thank You