

Artificial Body Parts: The Importance of Robotic Prosthetics

➤ Introduction:

- People are constantly trying to improve upon the creative technological advancements. Bionics is one of these novel developments. The science of creating artificial systems that resemble living things via the use of robotics and artificial intelligence is known as bionics. Products like bionic prosthetics, which replace a person's missing limb, can be made using this technology.

➤ Justification:

- The techniques used to design robotic prostheses have changed to give amputees better experiences because technology is always changing. From a simple wooden toe to a sophisticated technological limb that optimizes the user's potential, robotic prostheses have advanced significantly. A person may experience feelings of grief and depression because of losing a limb, which has an impact on function, sensation, and body image. This could also make those who are lacking a limb feel unimportant in comparison to others. For an amputee, having the option of obtaining a prosthetic limb can change their life; nevertheless, the typical prosthetic client cannot afford these devices.

➤ Importance:

- By connecting the extensions with the human body, bionic prostheses can be utilized to overcome the constraints of the human body while also enhancing the lives of those who have lost a limb because of illness, trauma, or congenital defects.

➤ Role Distribution:

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