

New Gen Innovation and Entrepreneurship Development Centre – Funded Project

B.N.M. Institute of Technology

New Gen Innovation and Entrepreneurship Development Centre “Easy Foot: Transtibial Prosthetic Leg”

Funded by:

New Gen Innovation and Entrepreneurship Development Centre

Sponsored by:

Department of Science and Technology, Govt. of India, New Delhi.

Supported by:

Entrepreneurship Development Institute of India, Ahmedabad

Students

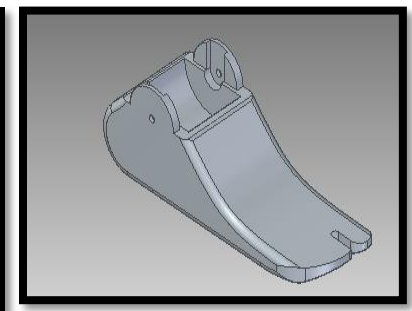
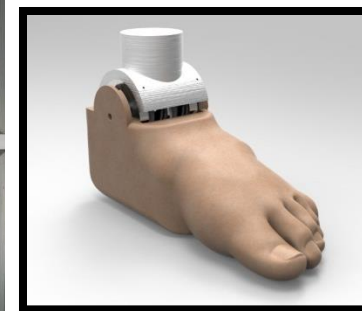
1. Mr. Abhishek B.V. (1BG15ME002)
2. Mr. Aniruddha B.V. (1BG15ME012)
3. Mr. Ganesh.M.Dixit (1BG15ME021)
4. Mr. Nataraj.N.Badiger (1BG15ME038)

Mentors

1. **Dr. B.S. Anil Kumar,**
Professor, Department of Mechanical Engineering
2. **Dr. Raghavendra N.**
Associate Professor, Department of Mechanical Engineering
3. **Dr. L. Vijayashree**
New Gen IEDC Chief Coordinator

The high end prosthesis usually makes use of the DC motors, hydraulics for their functioning such that the ankle behavior is mimicked completely by them. But cost of this high end bionics is way too much that the common people cannot afford to buy them. So our idea was to reduce the cost completely such that the common people could afford to buy them.

Thus Students came up with an idea that could solve the problem of both the cost and also to mimic the ankle behaviour. The solution was found out by using the spring mechanism attached to the Jaipur foot and the 3D printed foot. Our design is such that it gives an ankle movement with a level of comfort at an affordable price.



Easy Foot- Prosthetic Leg