

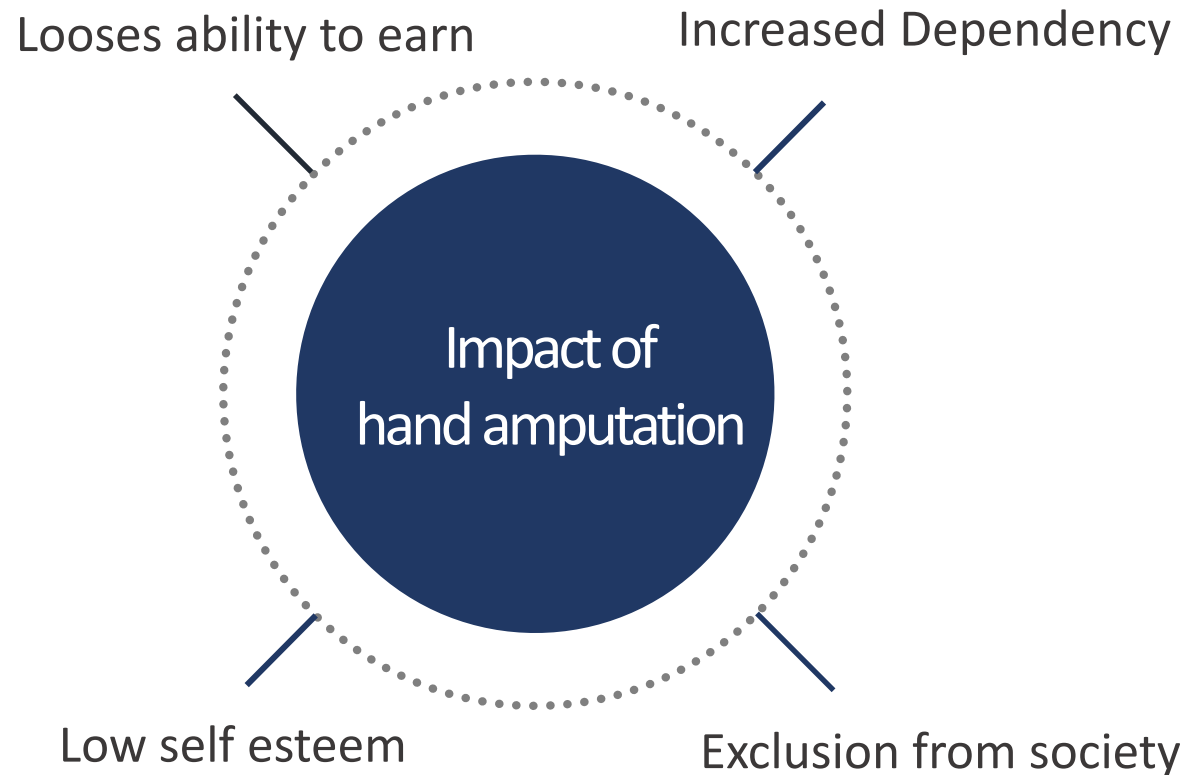


Grasp Bionics

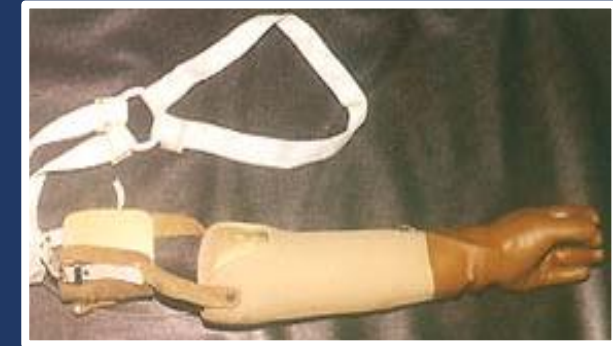


Problem Statement : Problems faced by people with hand amputation

Available options for the amputees



Low cost (INR 10 to 30 K)
Limited functionality
Heavy (more than 1.5 Kg)
Uncomfortable for use



Expensive (20L and above)
Multifunctional
Comparatively lighter (~1Kg)
Non intuitive control



PURAK from Grasp Bionics

For adult hand amputees, who seek independence in their daily living PURAK from Grasp Bionics is the lightest, most easily operable and affordable arm prosthesis, which allows them to use all their five fingers.



Solution

- Multifunctional
- Light Weight
- Intuitive Control
- All 5 fingers powered
- Adaptive grasp
- Can Apply Variable force
- One can feel the grip strength applied on the object



Spherical Grip



Cylindrical Grip



Lateral Pinch



Tripod Grip



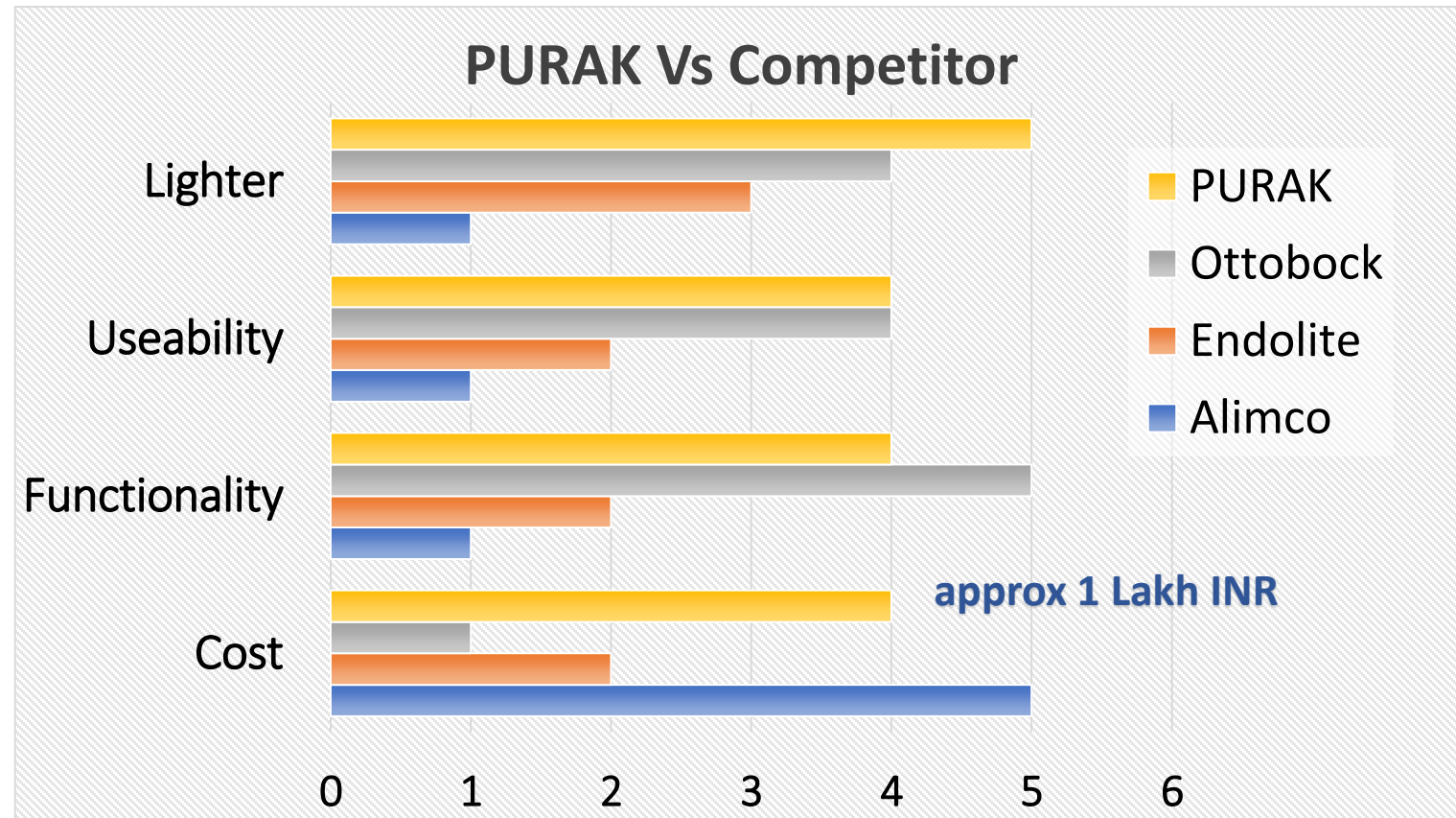
What it is for the user

- Lightest prosthesis – It feels more as part of body
- Intuitive Control - making easy adoption of technology (User able to start using PURAK in 20 min)
- Functionally Simple – User can perform ADLs
- Remove dependency and make user independent
- Bring back self esteem and confidence
- Making him/her not feel excluded from society



Market Size and Competition

- 3.3 Million Upper limb disability in India
- ~1 Million with hand amputation
- Hand amputation growth rate 10% per year



Testimonials & Traction

PURAK has been Pilot tested with 50 users across 8 different cities in India.



Tata Rao
“Feels great to feel my own body with PURAK”



Sake Nagaraj
“Finally I can sign using PURAK”

Winner of



Ashok Kumar
Global Rehab –
Orthocare



Vikranth

Team Credentials



Vinay V Co-Founder | Business Development



- 11+ years of Industrial experience
- Mechanical Engineer with Masters in Design from CPDM, IISc
- Founder, Industrial design department of L&T, PDC
- Designs for L&T : CII design excellence award 2015 for Asphalt Compactor and three construction equipment recognized with India Design Mark

Nilesh Walke Co-Founder | Technology & Product Architect



- 4+ years of Industrial experience & 3+ years of Research experience
- Mechanical Engineer with Masters in Design from CPDM, IISc
- Intrapreneur, Technology development at UTC Aerospace
- Technology Lead – Testing, Landing systems
- 2 Patent granted for Landing system & Aircraft lighting systems filed in US & Europe

Mr. C V Alavandi, Advisor

Mr. C V Alavandi is an Industrialist, served as CEO of L&T CASE. He advises Grasp Bionics on Product Deployment Strategy and Business Planning.

Prof. Dibakar Sen, Advisor

Prof. Dibakar Sen is a Professor at Indian Institute of Science. He Advices Grasp Bionics in Technology and Product development.

Mr. Soikat Ghosh Moulic, Advisor

Mr. Soikat Ghosh Moulic is a certified clinical Prosthetist Currently holds the position of Assistant Director- technical at Mobility He guides Grasp bionics on Clinical aspects of the Product

Thank you