Galanto Innovations Pvt Ltd



RehabRelive Redefining Rehabilitation



Galanto has a Credible Leadership team



Dr Chandan Kumar Jha **Product Development Lead** PhD, IIT Gandhinagar **Gold medal (Outstanding Innovation)** 2 patents, 11 scientific articles



Ms Rupsha Mukherjee **Product Testing Lead** M Tech, IIT Gandhinagar B Tech, Biomedical Engineering, **NIT Raipur (Silver Medalist)** 5 scientific articles



Ms Ruchita Mukherjee **Company Operations Lead** B Tech, Shri Shankara **Technical Campus, Chhattisgarh**



Gandhian Young Technological Innovation Awards, BIRAC

Outstanding Innovation Award.

IIT Gandhinagar, 2021





NIDHI PRAYAS 2020





AIT 2020. Swissnex India



Outstanding Results Award, OFS-26, Switzerland

We envision to transform the **rehabilitation** landscape in India through modern and innovative technology



Mr Kshitij Gajapure **Virtual Reality Product Lead** B Tech, IIT Gandhinagar Best of Vuforia track winner, MIT Reality Hack, MIT (USA) **IGDA Award winner**



Mr Kundan Jha **Software Development Lead** B Tech. MIT Meerut



Mr Maitreya Pande Design Intern B Design (Industrial Product), **UID Gandhinagar**





Winner. **Student Startup Grant** Challenge 2020



The Problem

Stroke is 3rd largest cause of disability globally

Life after stroke is challenging and difficult

12 Lakh+ stroke survivors suffer Hand Disability every year in

India 1,2



Dependency on care givers



Low self esteem



Social isolation and depression - > 50% of patients ³

Early and effective rehabilitation is vital to restore hand functions and normal life quickly

Current Rehabilitation Mechanisms are limited, and tedious



Reduced exercise duration – < 50% of required duration ⁴



No real-time assessment of recovery progress and documentation



Inadequate monitoring of correctness of exercise



Excess dependency on physiotherapist



Not focused on fine movement training of hand



Galanto's Solution









Reliable assessment





Better service

More customer



Patients

Increased exercise practice

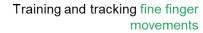






Autonomous training







Physiotherapists and doctors







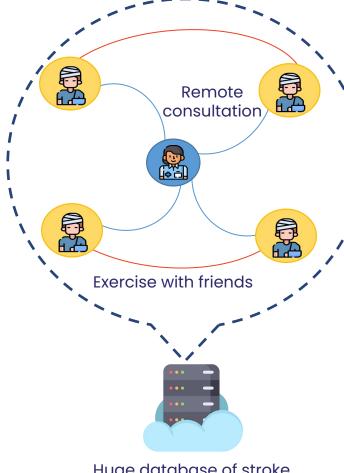
Better tracking



Increased patient handling capacity



Save time



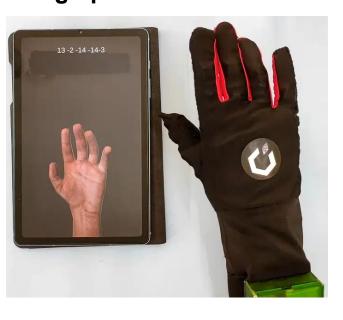
Huge database of stroke patients, movement and performance data -research, healthcare policies, insurance, targeted advertisement



Galanto has Validated Prototype

Virtual rehabilitation and assessment system for **HAND**

High performance Glove



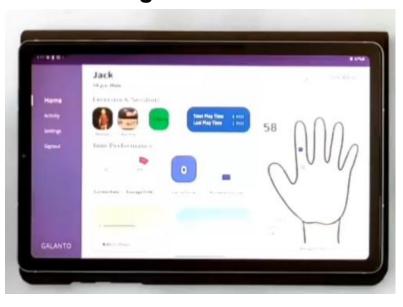
Engaging Virtual exercises



- √ 12 State-of-art motion sensors
- ✓ High resolution (0.1°)
- ✓ Fully wireless
- ✓ Easy to wear and remove

- ✓ Exercises in form of engaging games
- ✓ Training for activities of daily living
- ✓ Adaptive difficulty level
- ✓ Auto recommendation

Elegant Dashboard



- ✓ Track performance and progress
- ✓ Detailed performance reports
- ✓ Simple and easy to use UI
- ✓ Report sharing and tele-rehab



Initial Validation has been Conducted

Dec 2021 - Aug 2022



25 Doctors and Physiotherapists



Hospitals and rehab centers performing trials

3 Hospitals interested for trials



Patients with stroke and hand surgery



Physio centers ready

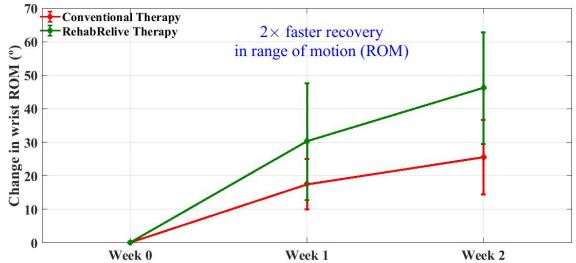


3 Orders received so far



200%

Faster recovery seen in hand injury patients (15 sittings)





90%

Adherence to exercise practice schedule



Movement started in wrist and fingers in stroke patients (2 cases so far)

6



Galanto's Product receives Excellent user feedback











Competitive Positioning

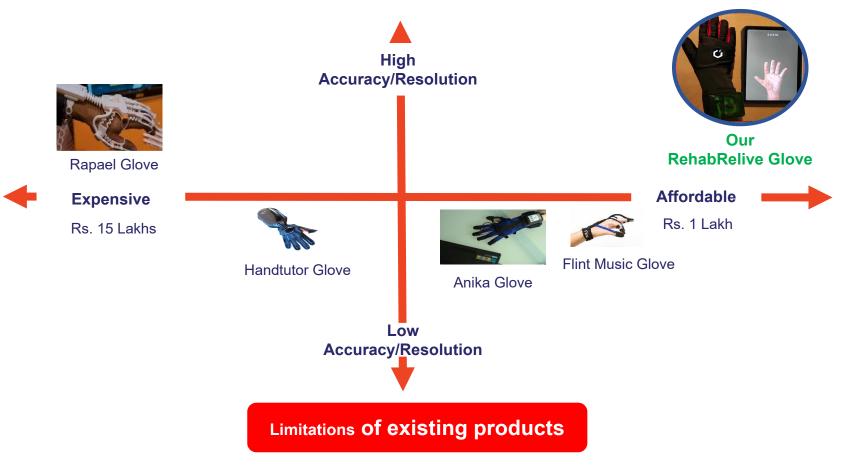
USP

Reliable Assessment
Accurate assessment of performance
progress and movement quality

One size for all
Same glove can be used on either
hand by patients of different hand
sizes

Home Rehabilitation

Modular, simple and affordable



- **Poor sensitivity** due to sensing technology used (flex sensors)
- Expensive
- No reliable assessment more of a gaming system
- Not widely available in India
- No multiplayer support



Adaptive Virtual Exercises

Engaging and challenging experiences and games



Multi-player support

Now exercise with your loved ones



Teleconsultation

Offer remote consultation to patients



Galanto's Target Stroke Market size is ₹ 300 Crore

Neurorehabilitation Devices Market Size to Garner USD 2,274.1 Million Revenue by 2025 at Substantial CAGR of 16.4%, Asserts Market Research Future (MRFR)

6,50,0001

Stroke prevalent cases in India

5,500+

No. of clinics/hospitals/Research labs related to physiotherapy in India

TAM

₹ 2510 Crore+

SAM ₹ 740 Crore+

Target Market ₹ 276 Crore+

Total Addressable Market (TAM)

Based on Market willingness to pay

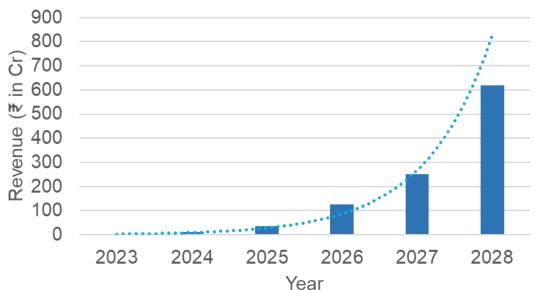
Serviceable Addressable Market (SAM)

Higher segment of Hospitals/clinics and patients Assuming 30% of TAM

Target Market

Targeting 3000 Hospitals/clinics and 40,000 patients over 5 years





Medium Model **Product** Price (INR) B₂B Glove + 6 Games 50,000 Hardware (Sale) & (One Time Purchase) Glove + 3 Games 25,000 B₂C Monthly Plan 2.000/ active B₂B Software (SaaS) (unlimited user plan) user Additional Games + Monthly Plan Software updates + 500 B₂C (single user plan) telerehabilitation (Single (Subscription) Yearly Plan user) 5.000 (single user plan) Glove + Tablet + B₂C Rental Model 5.000 / month Games



Galanto has promising future

High scalability



Full body motion capture

Our sensor can capture motion of any part of body



Huge Virtual exercise library

Users can subscribe to games from huge library



Teleconsultation

Offer remote consultation to patients



Data currency

Monetize the huge data collected using



the system



Fully immersive virtual reality-based rehabilitation







- Stroke patients
- **Elderly Population**
- Hand injury patients
- Cerebral Palsy
- Autism
- Arthritis



- Hospitals
- Rehabilitation Centers
- Old age homes



- Academics
- ✓ Rehabilitation Research
- Neuro motor Research
- ✓ Surgical/medical training



- ✓ Sports Rehabilitation centers
- Gaming and simulation industry







Galanto's Product bringing happiness to patient and family





A patient giving us roses to thank us for helping her improve hand functions with our product

11 to 118° ROM in wrist over 220 minutes of training!

startup team from institution carries out successful trials at civil IIT-Gn alumni gamify hand physiotherapy

Parth.Shastri@timesgroup.com

Ahmedabud: A startup founded by alumni of IT Gandhimonth of IT Gandhia sensory glove to help patients with restricted finger
and wrist movement to recofied exercises. The patient trilas are being carried out successfully at the Government
Spine Institute and Physiontospine Institute and Physionspital campus. Dr Chandan
Kumar Jha, the founder of
the startup incubated at IITGn and inventor of the glove,
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develop indigenous systems
for the rehabilitation of patients with hand disabilities
using virtual readity (VT) and
so the project a year ago
by founding Galanto Innovations with IIT-Gn colleague
Currentity, the team has

Currently, the team has developed two games: one based on popular jump-and-run arcade games with which the majority of the patients are familiar, and another where the patient has to squeeze leme is designed to exercise the up and down movement of the wrist, while the second is



aimed at imitating the squee- me, and motivated me to im-

cip. Other games include fliping a chapati and gardening. Mohd Zaid Rajput, 29, a reduct of Bapunagar is getting hysiotherapy at the spine hich he injured after a lil. Thractured my fingar and wrist. Initially, I as not sure about therapy. hough once I started playing the games. I got the spine is games to get the spine is games. I got the spine is games to get the spine is games. I got the spine is games to game for the spine is games. I got the spine is games in the spine is games in the spine is games. I got the spine is games in the spine is games. I got the spine is games in the spine is games. I got the spine is games in the s

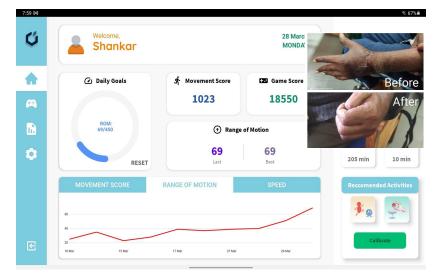
conventional therapy met hods, the glove augments it with reliable data," she said logy would improve in the next few years. Jha said, "Com pared to a few similar gloves for exercise available abroad to use and affordable. The games are calibrated to increase the difficulty level gradually."

Mumitaz Bano, 17, who susained a severe hand injury in a road accident, had two fingers re-attached and had frozen thumb movement. 'Being a mobile phone user, I quickly followed the format and liked the feedback system,' she said.

A 70-year old patient rejoicing after exercise session

No movement to 90° ROM in thumb over 200 minutes of training!

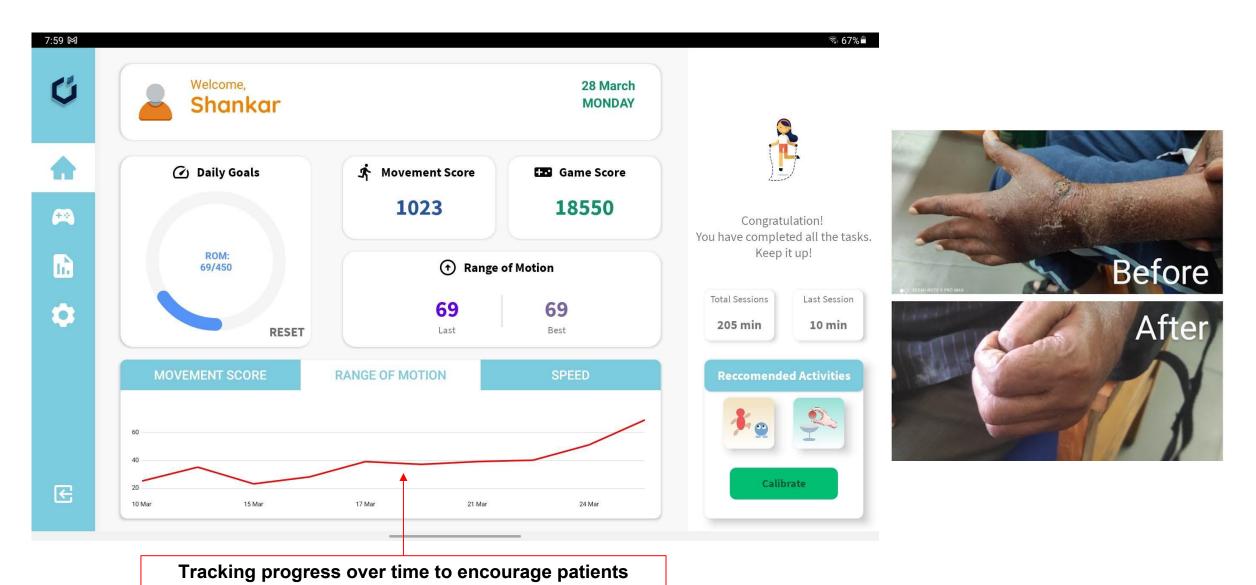
.....Thank You....







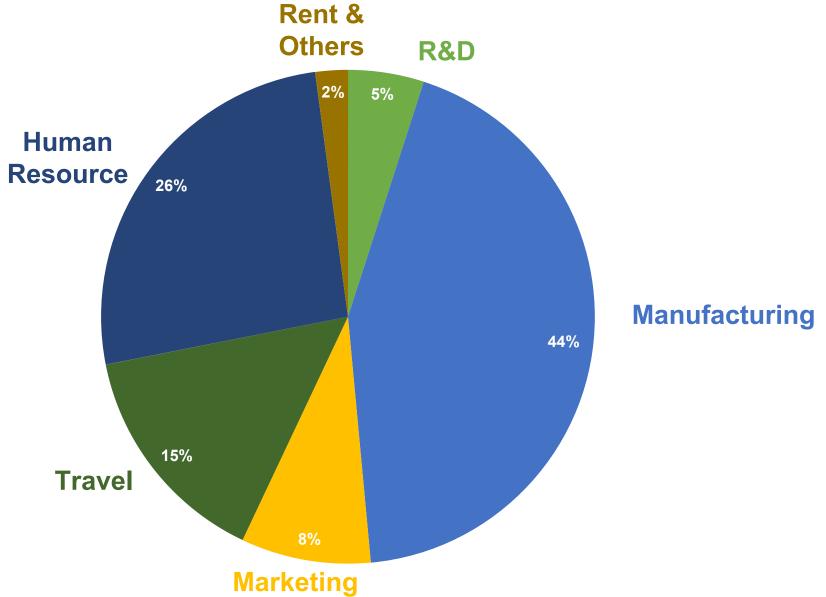
Galanto's Product helps track recovery progress





Galanto's Fund Requirement and Utilization Plan

Fund Required ₹ 2.35 Crore





Galanto's Go-To-Market Strategy

Pilot with physiotherapy centres and hospitals

Deploy the product at physiotherapy centers and hospitals with try-and-buy offer

Reach out to distributors for regional sale channels to hospitals and physiotherapy centers

Partnering with physiotherapists to establish B2C channel through recommendation

Running online and offline advertisement campaign

Creating B2C sales through our websites, sales team and online shopping platforms