

Galanto Innovations Pvt Ltd



RehabRelive

Redefining Rehabilitation



Galanto has a Credible Leadership team



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



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



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



Gandhian Young Technological Innovation Awards, BIRAC





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



Outstanding Innovation Award.

IIT Gandhinagar, 2021

BIRAC Cash Prize, NBEC 2020



Winner, Student Startup Grant Challenge 2020



The Problem

Disability is at rise globally

Life with disability is challenging and difficult

12 Lakh+
neurological
patients 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



Virtual Hand Rehabilitation and **Assessment System**



Better service

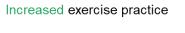


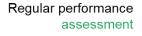
Physiotherapists and doctors

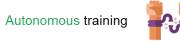




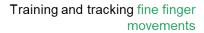








Patients











Customer Engagement



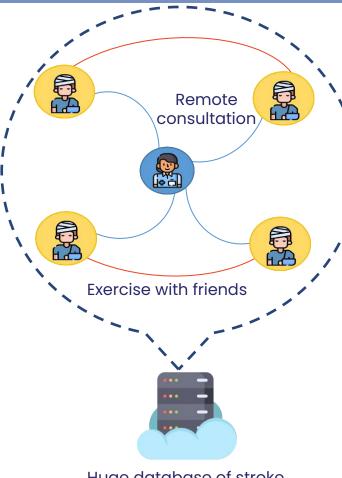
Better tracking



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



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

Engaging Virtual exercises



- ✓ 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



6 Physio centers ready

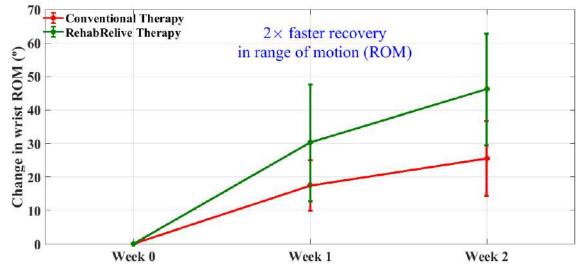


Orders received so far



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



Competitive Positioning

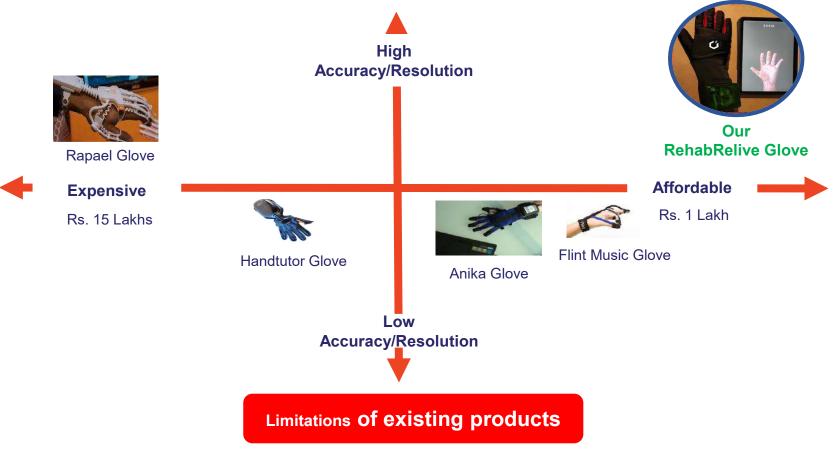
USP

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 Product receives Excellent user feedback



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!



A 70-year old patient rejoicing after exercise session





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



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

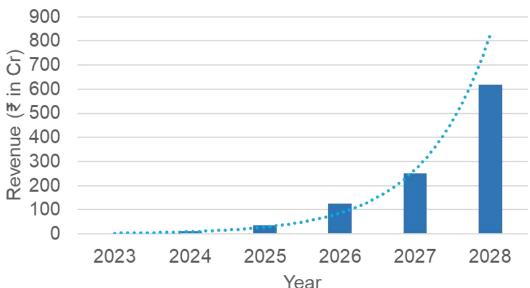
Serviceable Addressable Market (SAM)

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) |
|---|-------------------------|---------------------------------------|-----------------------|
| Hardware (Sale) (One Time Purchase) | B2B & | Glove + 6 Games | 50,000 |
| | B2C | Glove + 3 Games | 25,000 |
| Software (SaaS) Additional Games + Software updates + telerehabilitation (Subscription) | B2B | Monthly Plan (unlimited user plan) | 2,000/ active user |
| | B2C (Single user) | Monthly Plan (single user plan) | 500 |
| | | Yearly Plan (single user plan) | 5,000 |
| Rental Model | B2C | Glove + Tablet + Games | 5,000 / month |



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







- 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



Boundless possibilities





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.Shastrill timesproup.com

Ahmeetahud: A startup fram ded by ainmi of HZ Gandhinagar (HT-Gn) has developed a sensory glove to help patients with restricted finger and the startup in the patient of the startup in the following service of the startup incubated at HZsaid that the project aims to develop-indigenous systems for the robabilistic of the startup incubated at HZsaid that the project aims to develop-indigenous systems for the robabilistics for the robabilistics for the robabilistics for the robabilistics of the startup incubated at HZsaid that the project aims to develop-indigenous systems for the robabilistics for the robabilistics for the robabilistics for the robabilistics of patients with hand disabilities robabilistics on the project a year ago by founding Galante Innovation of the project of the startup incubate Madde etc.

Currently, the town has

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



(L) Dr Yagna Shukia and Dr Chandan Kumar Jha with a patient, (R) VR game

grip. Other games included lipping a chapat Land gardening paid of the Physiotherapy: sidentic Bayunagar, is getting play of the Physiotherapy at the spine institute for his right hand has given and wrist. Initially, I say that the chinology of the land with the land has given and wrist. Initially, I was not sure about therapy. Though once I started playing with a with I see in the land of the land

conventional therapy methods, the glove augments it with reliable data. she said, logy would improve in the next few years. This said, "Compared to a few similar gloves our product is much simpler to use and affordable. The games are calibrated to increase the distribution of the contraction of

mes are calibrated to increase the difficulty level gradually." Mumtaz Bono, 17, who sustained a severe hand injury in a road accident, had two fingers re-stated and had frozen thumb movement. "Being a mobile phone user. I quickly followed the format and liked the feedback system." she said.



ZERO hand movement for 2 years. 50% recovery in 20 days using our product!

.....Thank You....





A 70-year old patient rejoicing after exercise session

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



Smart wireless glove to detect complete hand and finger movements with high accuracy





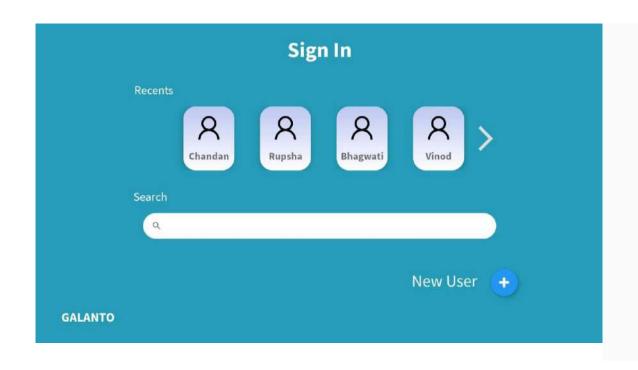


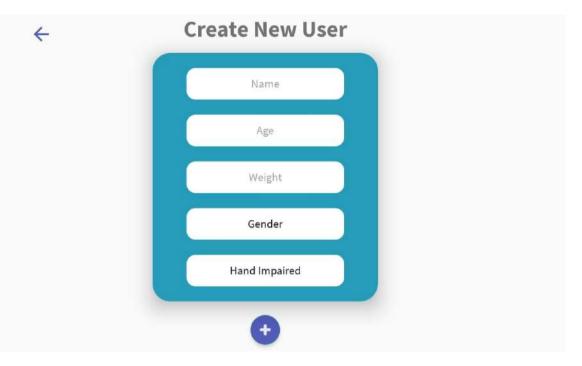
KEY FEATURES

- Fully wireless
- 12 state-of-art motion sensors
- Rechargeable battery
- 5 hours continuous operation
- Portable
- Easy to use
- Single button operation
- Lightweight (~ 200 grams)
- Can fit all hand sizes
- Breathable



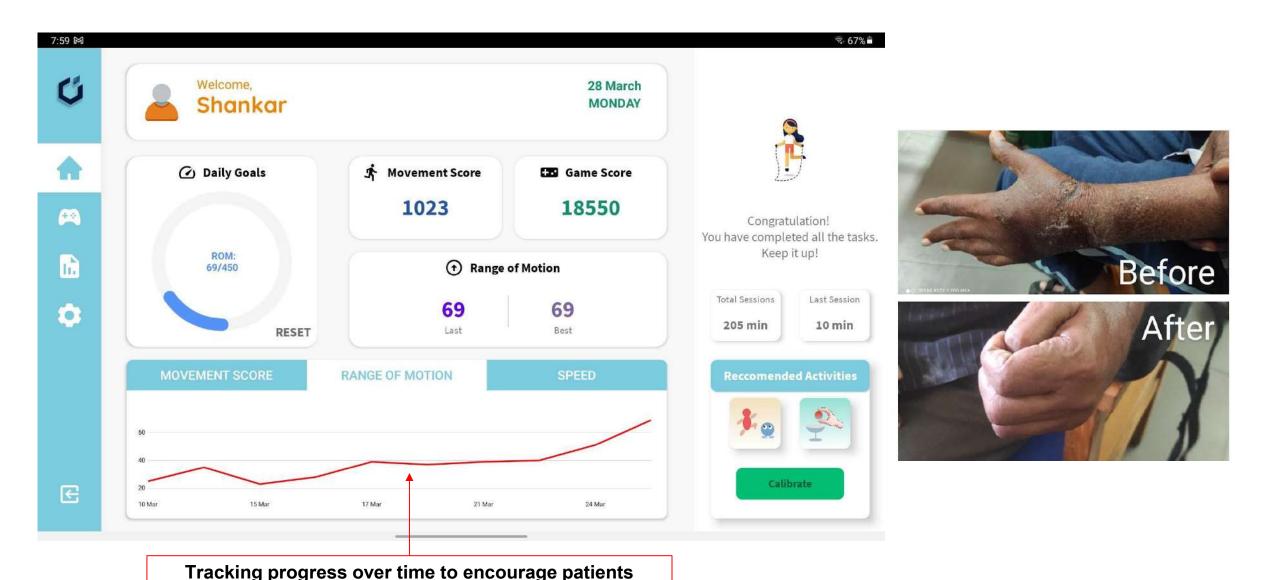
Dashboard - User onboarding





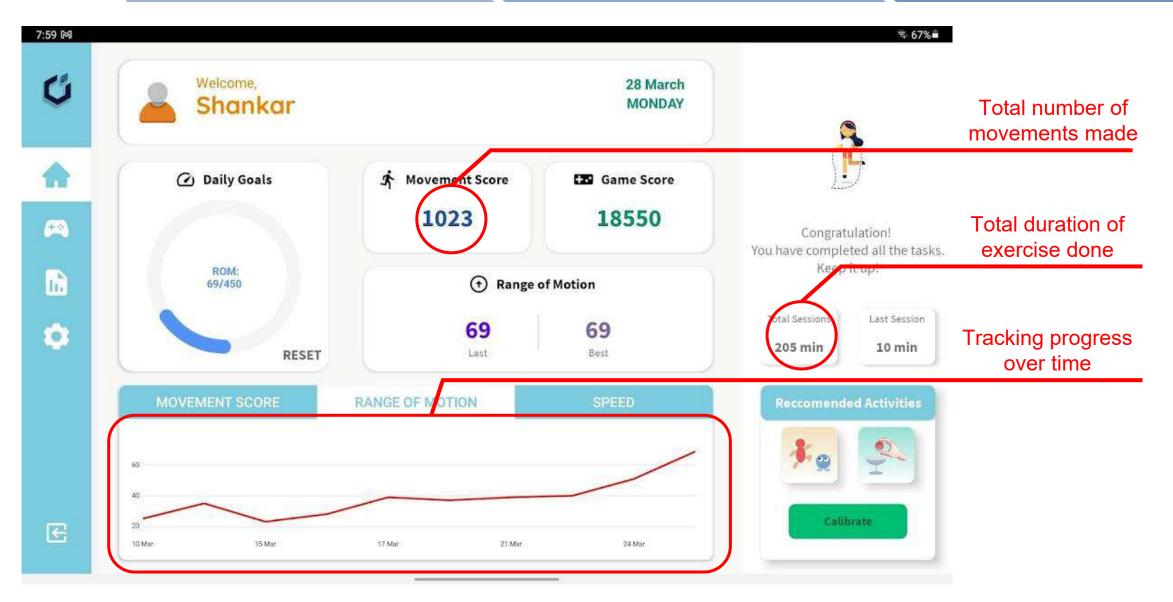


Galanto's Product helps track recovery progress



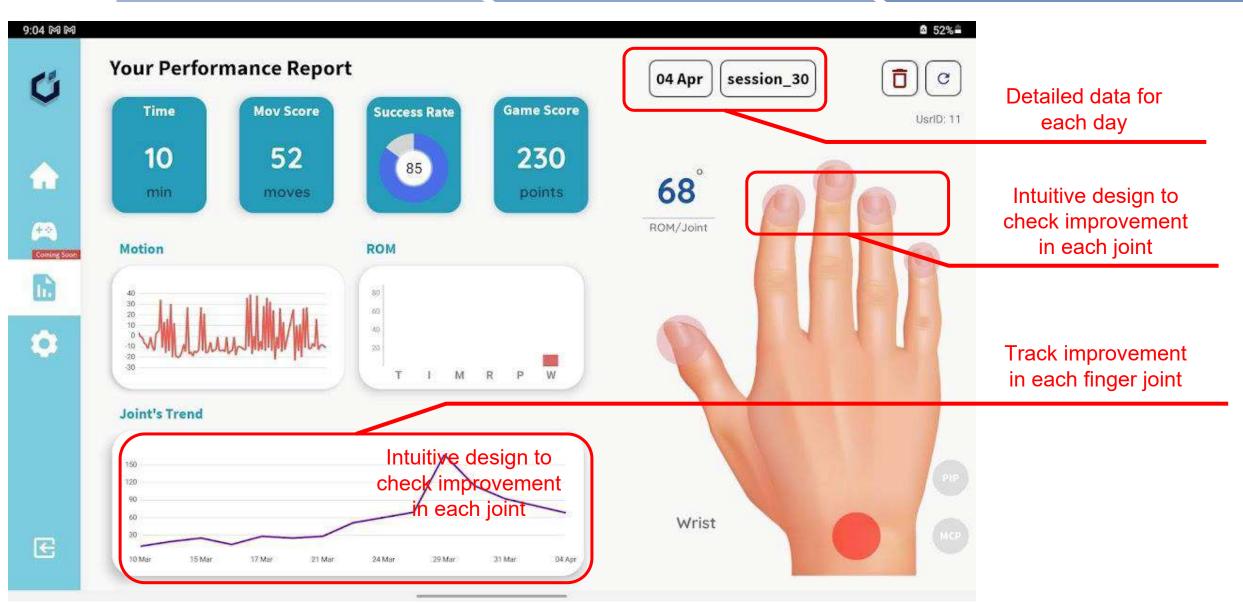


Easy-to-use dashboard to track performance





Easy-to-use dashboard to track performance



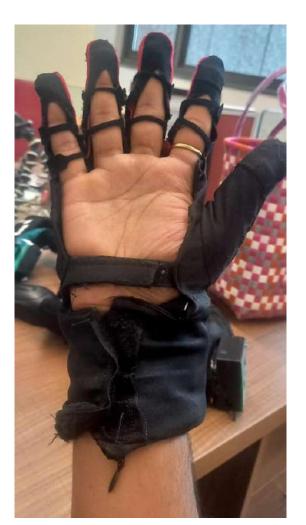


Galanto's Strives Continuous Improvement

Version 1 November 2021



Version 2 February 2022



Version 3
April 2022





Galanto's Product helps track recovery progress

