

# MI EDUCATION AND RESEARCH DIGEST

AUGUST - NOVEMBER 2019

## National Conference on Assistive Technology for All-AT 2030

The first ever National Conference on Assistive Technology for All-AT 2030 was held on 2nd and 3rd August 2019 at NIMHANS Convention Centre, Bengaluru. The conference was conceived by Mobility India on the occasion of 25th anniversary in the disability sector. The theme of the conference was "Improving access to quality and affordable assistive technology". The AT conference was aimed to bring together various stakeholders in public, private and voluntary sectors to help identify the best innovations/solutions available to help scale-up and make AT available to all.

Dr.S. Sacchidananda, Vice-Chancellor (VC) of Rajiv Gandhi University of Health Sciences (RGUHS) Inaugurated the Conference along with Smt. Lakshmi Nataraj, Corporator BBMP Ward 170, JP Nagar, Dr. Ashish Mukherjee, Director ISIC, New Delhi and Board member of MI, Mr. Basavaraju, State Commissioner for Disability, Karnataka, Dr. Himangshu Das, Director of NIEPMD, Dr. Patanjali Dev Nayar of WHO-SEARO, New Delhi, Mrs. Manimozhi Theodore, Director of DEBEL, Bengaluru, Dr. Surender Singh Oberoi, Commercial & Political Adviser to ICRC, New Delhi and Ms. Sowmya Reddy, MLA of Jayanagar constituency.

A total of 536 participants from 27 states of India and 17 countries attended the conference and made it a grand success. The conference consisted of Keynote addresses, paper presentations, poster presentations and Exhibition.



Dr. Patanjali Dev Nayar of WHO-SEARO delivering the keynote address during National Conference on Assistive Technology for All-AT 2030 on 2nd August 2019



Chair & Co-Chair for session Shri. K.V.S.Rao-Director-DEPWD, Government of India and Prof. Rajesh Shenoy-Syndicate Member, RGUHS, Bengaluru were facilitated by Mr. Prakash Mehta-Vice President of Indian Association of Assistive Technologists.







Shri. K.V.S.Rao, Director, DEPwD, MSJ&E, Govt. of India, New Delhi. along with Dr.Charles Prabakar, President MI and Dr. Ashish Mukherjee, Organising Chairperson, NCAT presenting Best Paper Presentation award to Mr. Soikat Ghosh Moulic -Associate Director-Technical & Quality systems, MI and Mr. Girish Murthy-Head Operations, 3Dprototyperz



Dr. Ashish Mukherjee, Organising Chairperson, NCAT, Presenting Best Poster Presentation award to Mr. Jenish. J, 4th Year Bachelor in Prosthetics & Orthotics Student of MI

**Spinal Workshop:** A workshop on spinal orthosis in collaboration with International Committee of Red Cross (ICRC), New Delhi and Human Study was organised phase-wise and the final phase workshop was conducted from 26th to 31st August 2019. 11 members participated from ICRC, VMC Vellore and Mobility India. 8 users were successfully fitted with Cheneau brace.



Human Study Trainer Ms. Herta Schutz Benanni explaining about the pre-casting procedures to the participants

## Different Activities and Celebrations:

- A tribute to teachers: Students of Mobility India showed their gratitude to teachers during the Teachers Day celebrations on 5th September 2019.



Teachers and students come together for a group picture during Teachers day celebrations.



Mr. Budhicharan Hrangkhawl, student with speech and hearing disability performing during Teacher's day



- Accenture and Mobility India jointly organised a local outing for all the students. They were taken to visit Lalbagh, a well-known and ancient botanical garden located in southern Bengaluru.
- A Fresher's day party was organised on 23rd November 2019 by the senior students of Bachelor in Prosthetics and Orthotics course to welcome the 12th Batch students in a friendly atmosphere to encourage their creative impulses to boost their confidence and bond well with the seniors.
- On 29th August 2019, The Hon'ble Prime Minister launched nation-wide "Fit India Movement" which aimed to encourage people to inculcate physical activity and sports in their everyday lives and routine. So as to take this mission forward, MI organised "Fit India Campaign-Health Fitness" for the students on 13th December 2019.



2nd Year BPO Students Ms. Nisha and Ms. N.Shibani Chanu presenting about different types of exercises to keep a person fit

## Continuous Rehabilitation Education (CRE) Conducted by MI

- Rehabilitation Council of India (RCI) accredited **3 days CRE on Training of Trainers (TOT)** which was conducted from 7th-9th November 2019. Participants were teaching faculties in the field of special education, Prosthetics and Orthotics, Physiotherapy, Occupational therapy and form other health sectors.

This workshop aimed at equipping new and existing trainers in the healthcare professions with basic knowledge, skills and tools in higher education and to build confidence to provide effective and stimulating training to their students.



Ms. Ritu Ghosh-Academics Director, Ms. Vennila and Mr. Sama Raju Expert Trainers along with ICRC Consultant Mr. Philip Morgan geared up to begin the TOT



Participants during one of the activities at **CRE** workshop

- 3 days workshop on **Sensory Integration and Assistive Technology for Children with Cerebral Palsy and Autism** was conducted from 22nd to 24th November 2019. Participants were mainly physiotherapists, occupational therapists, special educators, speech therapists and psychologists.

This workshop focussed on postural management and sensory integration as an integral part of the functional development of children in need.



Participants during one of the activities during workshop



Group activity during Sensory Integration workshop as Resource person Dr Karthik. R. Rao looks on

- Mobility India (MI) organised a Debating Competition for its students of the Bachelors in Prosthetics and Orthotics (BPO) course on the 30th of November 2019 at the MI centre. Two teams from 1st and 2nd BPO debated on the topic “Best way for students learning is by use of technology or Books”. Whereas two teams from 3rd and 4th BPO debated on “Economic slowdown will not affect healthcare sectors”.



Debate competition-2019

### Student feedback:

“It was indeed a good experience which encouraged us to collect information and gain understanding of the economic situation of our country.”



## Motivational Talks

Swami Vivekananda says “All power is within you; you can do anything and everything”.

➤ Mr. Daniel Blocka, a Prosthetist & Orthotist, is Past President of International Society of Prosthetics & Orthotics (ISPO) and founder President of Boundless Bracing Inc., Canada. He has more than 30 years of experience as a teacher and clinical practitioner in field of Prosthetics and Orthotics. He inspired the students with his talk on "Reflection and thoughts on his long journey on Prosthetics and Orthotics" on 5th August 2019.

Link for the video : <https://youtu.be/19pNQluFvdw>



Mr. Dan Blocka giving motivational address to students



Ms. Francy Pillo Blocka motivating students decide and act on the priorities

➤ Ms. Francy Pillo-Blocka, a Senior Management Consultant, with her 30 years of experience in clinical care, practice-based research, advocacy and strategic communications gave a motivational talk on “Change, Choice & Deciding what’s important” to students on 5th August 2019. She says, “ little by little, a little becomes a lot.”

➤ Mr. Aditya Narayan Nanda, a Prosthetist and Orthotist by profession, working as Research Officer at Swami Vivekananda National Institute Rehabilitation Training and Research (SVNIRTAR), Odisha, with vast experience of 38 years gave an inspirational talk on “Leadership and Success” to the students on 26th October 2019.



Mr. A N Nanda, SVNIRTAR addressing students

# SILVER JUBILEE SPECIAL

## KEY PUBLICATIONS: 1994-2019

### Books Published by Mobility India

#### Year of Publication: 2001

- **Title of the book** : Rehabilitation Therapy Assistant Manual
- Author : Meriel Norris
- Language : English



#### Year of Publication: 2010

- **Title of the book** : Rehabilitation Therapy Handbook
- Number of Volumes : 2
- Editors : Emma Tebbutt, Ritu Ghosh, Vennila Palanivelu
- Language : English



#### Year of Publication: 2011

- **Title of the book** : A Trainer's Guide to the Rehabilitation Therapy Handbook
- Editors : Emily Hancock & Vennila Palanivelu
- Language : English



#### Year of Publication: 2014

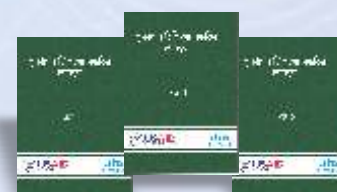
- **Title of the book** : Rehabilitation Therapy Handbook
- Edition : Second
- Number of Volumes : 3
- Editors : Emma Tebbutt, Ritu Ghosh, Vennila Palanivelu
- Language : English
- ISBN : Vol-1: 978-81-941552-0-1  
: Vol-2: 978-81-941552-1-8  
: Vol-3: 978-81-941552-2-5



- **Title of the book** : Rehabilitation Therapy Handbook
- Edition : First
- Number of Volumes : 3
- Editors : Emma Tebbutt, Ritu Ghosh, Vennila Palanivelu
- Language : Hindi



- **Title of the book** : Rehabilitation Therapy Handbook
- Edition : First
- Number of Volumes : 3
- Editors : Emma Tebbutt, Ritu Ghosh, Vennila Palanivelu
- Language : Bengali



➤ **Title of the book** : National Conference on Assistive Technology for All-2030  
Type of Book : Conference Proceedings  
Editors : Ritu Ghosh, Lakshmi Raman  
Language : English  
ISBN : 978-81-941552-3-2



➤ **Title of the book** : National Conference on Assistive Technology for All-2030  
Type of Book : Conference Report  
Editors : Ritu Ghosh, Lakshmi Raman  
Language : English



### Faculty Authored Articles

➤ Mrs. Vennila Palanivelu, Sr. Manager Therapy Training & Mr. Riyaz Hussain-Manager-Therapy Services authored along with Dr. Sudhakar.K.H, and Dr. Veena Umesh.B, Department of Physiology, KIMS-Bangalore

**Title:** Does prenatal testosterone have a role in development of cerebral palsy?

**Published in:** Biomedicine 2013;33(3):358-362 Vol.33 No.3:2013

<http://www.mobility-india.org/wp-content/uploads/2013/07/Study-on-CP.pdf>



Ms. Vennila Palanivelu



Mr. Riyaz Hussain

➤ Ms. Ritu Ghosh, Academics Director authored along with Ms. Helen Cochrane, Ms. Demetria Rosario, Mr. Anil Singh, ICRC

**Title:** Prosthetics and Orthotics Impact Assessment-India & Bangladesh

Report Published by: International Society of Prosthetics and Orthotics, Belgium

[https://cdn.ymaws.com/www.ispoint.org/resource/resmgr/4\\_EXCHANGE/india\\_bangladesh\\_ispo\\_impact.pdf](https://cdn.ymaws.com/www.ispoint.org/resource/resmgr/4_EXCHANGE/india_bangladesh_ispo_impact.pdf)



➤ Ms. Ritu Ghosh-Academics Director co-authored the article:  
**Title:** Quality of life of prosthetic and orthotic users in South India: a cross-sectional study.

**Published in :** Biomed Central journal under Health and Quality of Life Outcomes

Open access - <https://www.rdcu.be/bv21e>



Ms. Ritu Ghosh

➤ Ms. Ritu Ghosh-Academics Director co-authored the article:

**Title:** Assistive Technology Policy: A Position Paper from the First Global Research, Innovation, and Education on Assistive Technology (GREAT) Summit

**Published in :** Disability and Rehabilitation: Assistive Technology

<https://www.ncbi.nlm.nih.gov/pubmed/29790393>

➤ Mr. Soikat Ghosh Moulic, Associate Director-Technical & Quality systems, Mr. Oinam Sanjoy Singh-Sr. Manager-P&O Services, Mr. Riyaz Hussain-Manager-Therapy Services authored along with Mr. Girish Murthy, Mr. Yash Khawade and Mr. Nakul Bettaiah

**Title:** Digital transformation and 3D printing of transtibial load-bearing prosthesis in India: Recent advances, challenges and future perspectives

**Published in:** Journal of 3D printing in Medicine of Future Medicine Ltd

<https://www.futuremedicine.com/doi/pdf/10.2217/3dp-2019-0013>



Mr. Soikat Ghosh Moulic

➤ Mr. Soikat Ghosh Moulic, Associate Director-Technical & Quality systems authored along with Mr. Girish Murthy, Head Operations, 3Dprototyperz

**Title:** Enabling Fabrication of Prosthetic and Orthotic Devices with Additive Manufacturing via Digital Transformation

**Published in:** National Conference on Assistive Technology for All 2030-Conference Proceedings

<http://mobility-india.org/wp-content/uploads/2020/01/National-Conference-on-Assistive-Technology-for-All-2030-Proceedings.pdf>



Mr. Oinam Sanjoy Singh



Mr. Riyaz Hussain



## Affiliation and Recognition



Affiliated to  
Rajiv Gandhi University Of  
Health Sciences, Karnataka



Affiliated For CAT II Certification  
International Society For  
Prosthetics & Orthotics



Recognised by  
Rehabilitation Council  
Of India, New Delhi

## Thanks to Volunteers

**Mr. Sandeep Nimmakuri** for conducting classes for 1st BPO on Applied Mechanics & Strength of Materials for academic year 2018-19.

# Glimpse



## MOBILITY INDIA

1st & 1st "A" Cross, JP Nagar 2nd Phase, Bangalore - 560 078. Karnataka - INDIA

Tel: +91-080-2649 2222 / 2649 4444 / 2659 7337 / 26496 9999 (Ext. 114)

academic@mobility-india.org, www.mobility-india.org

Mobile No: +91 9740487162

 MobilityIndiaEducationandResearch

 Mobility India Education & Research

 @MobilityIn

 mobilityindia\_education