

MI EDUCATION AND RESEARCH DIGEST

DECEMBER 2019 TO MARCH 2020

AHSCON-2020

First ever conference for Allied Health Science professionals AHSCON-2020 was conducted from 2nd to 3rd February 2020 by Rajiv Gandhi University of Health Sciences to commemorate its Silver Jubilee Celebrations at NIMHANS Convention Centre, Bengaluru. This conference was organised to create public awareness on Allied Health Sciences and to expose students to benefits of Artificial Intelligence (AI) in Health Care.

Ms. Ritu Ghosh, Academics Director, Mobility India presented a paper on “Assistive Technology for All-Global Development and its relevance in India” at AHSCON 2020. Ms. Saraswathi, Senior Manager-Academics Administration also an user shared her personal experience and importance of using various assistive devices.

Mobility India staff and Bachelor in Prosthetics and Orthotics students actively participated in different areas like Paper presentation, Panel discussion, Model making (5 Nos), poster presentation (8 Nos.), cultural events (2 Nos.) and stall exhibition in the conference. Students efforts were much appreciated by the judges and were rewarded 1st and 3rd prizes in model exhibition and 1 poster was selected as Best Poster in prosthetics and orthotics discipline and bagged 2nd prize free style dance in cultural programme.



First Ever AHSCON 2020 was inaugurated by L-R: Dr. S.Sacchidanand-Hon'ble Vice-Chancellor, RGUHS, Bangalore, Mr. Ashish Jain-CEO, Healthcare Sector Skill Council, India, Mr. Tejasvi Surya-MP South Bengaluru, Prof. Rajesh Shenoy-Organising Committee Chairman and Mr Shivanand Kapashi, IAS, Registrar, RGUHS.



Ms. Ritu Ghosh, Academics Director-Mobility India presented a paper on “Assistive Technology for All-Global Development” during AHSCON-2020





Creating awareness to participants about various P&O components at Mobility Stall during AHSCON-2020



1st Year BPO Student, Ms. Soumya Suresh explaining the Judge Dr. Thuppil Venkatesh about the "Low Cost Energy storing prosthetic foot" which won 1st prize during Model Making competition at AHSCON 2020



Mobility India students bagged 2nd prize for Free style dance during the cultural programme at AHSCON 2020.



Participants of Mobility India at AHSCON-2020

AHSCON-2020: Pre-Conference workshop at Mobility India

On 1st February 2020, half-a-day pre-conference workshop was conducted at Mobility India premises on “Prosthetics and Orthotics Service Provision Interdisciplinary and Multi-disciplinary approach”. Dr. Umesh Babu. S B, Syndicate Member, Rajiv Gandhi University of Health Sciences, Karnataka inaugurated the workshop. Over 70 allied health professionals attended the programme.



Ms. Ritu Ghosh, Academics Director, MI & Mr. Kamaraj.V, Manager-Training P&O explaining about various assistive devices to Dr. Umesh Babu, Syndicate Member, RGUHS, Bengaluru



Pre-conference workshop at Mobility India: Group photo of participants

1. CLINICAL POSTINGS FOR PROSTHETICS AND ORTHOTICS STUDENTS:

Mobility India has always taken initiatives to equip the students pursuing the Prosthetics and Orthotics courses with high end knowledge and skills so as to prepare them for their future. During the current academic year, students were sent for internship to various organizations, so as to get hands on experience in their field of study. The main objective of encouraging students to go for internship was to enable a clear understanding of performing assessment, fabricating and fitting the prosthetic and orthotic devices for service users independently under the supervision of RCI recognised P&O at the Centre by following proper service delivery and quality checkout procedures.

The organisations that facilitated student internships were:

- Narayan Seva Sansthan, Udaipur, Rajasthan
- Ottobock India Pvt. Ltd., Bengaluru
- Endolite India, Bengaluru
- College Park Healthcare Pvt. Ltd., Gurgaon.
- Rural Development Trust, Anantapur



MI Trainer Mr. Sanniram with 4th BPO students during their clinical placement at Narayan Seva Sansthan, Udaipur



4th BPO student Mr. Obaid Ur Rahman fitting prosthesis to the user as MI Trainer Mr. Rajdeep Kumar and RDT Coordinators Mr. Nagaraju and Mr. Muthyalappa looks on during clinical placement at RDT, Anantapur

MOTIVATIONAL SPEECH

1. An interational skype talk was given by Mr. AMIT MUKHERJI, a Prosthetist and Orthotist by Profession, working as Director-Strategic Projects at Ottobock Healthcare India Pvt. Ltd on 8th January 2020. He stressed about the importance of building the qualities of a professional from the student days to make them a better professional in future.



Mr. Amit Mukherji, SVNIRTAR addressing students

2. Mr. CHAPAL KHASNABIS, a prosthetist and orthotist working as Programme Manager-GATE at World Health Organisation (WHO), Geneva, addressed students studying Prosthetics and Orthotics on 13th January 2020.

He said to students “Be a fearless dreamer. Dream comes only when you desire and dedicate. Believe in your dreams and if you are convinced that your actions will benefit others, do it”. He acknowledged that Prosthetics and orthotics profession has given him everything.

<https://youtu.be/Ztm5S99IXEM>



Mr. Chapal Khasnabis addressing staff and students of Mobility India

GRADUATION DAY

Graduation day brings with it a change of identification of a graduate from student to a professional. Joy of success is followed by challenges in profession.

In the year 2019, overall students graduated are 10 Orthopaedic Technologists, 3 Lower Limb Orthotics Technologists, 3 Lower Limb Prosthetics Technologists, 7 Rehabilitation Therapy Assistants and 7 Bachelor in Prosthetics and Orthotics students.



Graduation day Celebration-December 2019

Dr. David Arun Kumar. J, Vice-President, IAP, Karnataka branch was the guest of honour in June 2019 and Dr.Maj. Mahendra Kumar, Medical Director, Sagar Hospitals was the Chief Guest in December 2019.

OPAI-2020

Two of MI's training faculties Mr. Kamaraj.V and Mr. Sanniram attended OPAI conference with Bachelor and Diploma in Prosthetics and Orthotics students from 7th to 9th February at Bhubaneshwar.

During the OPAI conference, Mr. Md. Jubayer Hossain and Mr. Ahmad Issam Mawla were awarded with cash prize and memento for being toppers in Bachelor in Prosthetics and Orthotics course for



Mr. Kamaraj.V, MI Trainer presented a paper in OPAI 2020



4th BPO student Mr. Jehin.J explaining the details of poster to the Judges at OPAI-2020

ANNUAL SPORTS-2020

This is one of the much awaited events of the year!

Annual indoor and outdoor sports were organised for students from 19th to 22nd February 2020. Sports competition was inaugurated by Former weight lifter and Vice-President of Indian Weightlifting Federation Mr. Kumbasi Subramanya.

This sports event exhibited the physical and mental fitness of students in different activities like Chess, Carrom, Table Tennis, Cricket, Relay, Shotput, etc.,



Inauguration of Indoor sports by Mr. Kumbasi Subramanya



A glimpse of Outdoor sports



Winners of sports events

CULTURAL FESTIVAL - MIRAAS 2020

GALA TIME!

MIRAAS is an annual cultural event for students to showcase their talents and energetic performances in variety of cultural events such as dance (semi-classical, folk and freestyle), singing, cooking, Mimes, Fancy dress, ramp show, theme based rangoli etc.

The cultural event was conducted from 11th to 13th March 2020. Experts from respective fields were invited as judges for the events.



1st Year BPO students with Judges during the theme based Rangoli competition



4th BPO students with their desserts in culinary delight event.



BPO Internship students during patriotism based group dance



Our Long term course students performing in group dance. Both the students are speech and hearing disabled.

2ND PARENTS - TEACHERS INTERACTION

The 2nd Parents-teachers interaction for parents of Bachelor in Prosthetics and Orthotics students was conducted on 7th March 2020. This meeting was aimed to discuss about the academics, behavioural, social well-being, future job prospects.

On this occasion a keynote speech by Dr. Ali Khwaja, Chairman and Principal Faculty of Banjara Academy on “Converting your learning into practical skills” was organised for parents, students and faculties. The session gave an insight on how to keep oneself motivated throughout life and importance of balancing success and failures.



Dr. Ali Khwaja addressing students, parents and faculty during parents-teachers meet



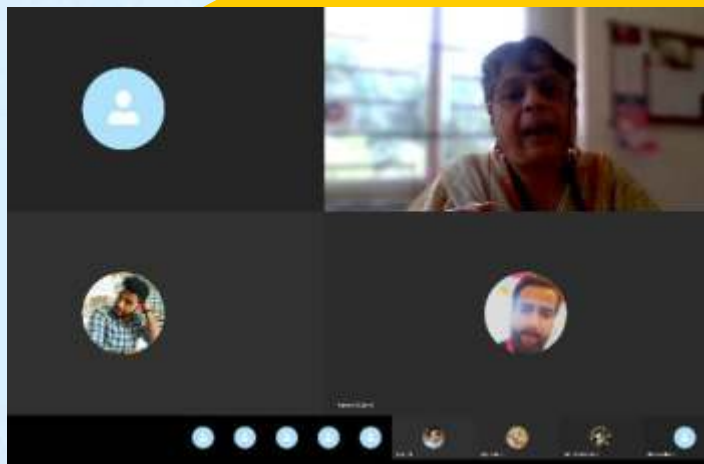
Mr. Rajdeep Kumar-Sr. Manager-Training P&O and Ms. Saraswathi, Sr-Manager Academic Administration discuss regarding individual student's performance with parents during the meeting.

ONLINE CLASSES - COVID - 19

All of us around the globe are facing unprecedented challenges due to the Covid-19 outbreak. One of the major challenge being continuing education to students.

Mobility India has taken initiative to conduct online classes to the students using various applications like skype, impartus, zoom cloud, webex etc. to ensure that the students are engaged and avail the advantage of the sessions. Conducting online classes will also reduce the anxiety and depression among students and helps them to be active.

Online classes are conducted by internal as well as external faculties.



An image of online session on being conducted BPO internee student by invited guest Dr. Annapoorna Ravichandar on Soft Skills

Achievements:

In recognition to the experience, knowledge and skill demonstration in innovation in the field of Prosthetics and Orthotics, Mr. Soikat Ghosh Moulic, Associate Director-Technical & Quality Systems (Rehabilitation services & product development), was awarded the “**1ST TYNOR LEADERSHIP AWARD FOR INNOVATION**” during the 2nd National Conference of Indian Association of Assistive Technologists on “**Assistive Technology in Neuro Rehab**” held on 22nd and 23rd December 2019 at Chandigarh.



Mr. Soikat Ghosh Moulic-Associate Director, Mobility India was presented with 1st Tynor Leadership Award for Innovation by Dr. Himangshu Das - Director NIEPMD, Chennai along with IAAT Executive Members Mr. Pritpal Singh Sidhu, Mr. Prakash Mehta, Mr. Rajiv Verma and Mr. Mukesh Doshi during the 2nd IAAT Conference conducted on 22nd and 23rd December 2019.

Presenting papers in different conferences:

Success of an innovation lies in the user satisfaction. Knowledge sharing of success helps to reach out more people to benefit with the innovation.

A study was conducted on the user satisfaction on the Twin device used by children with delayed developmental milestones using the QUEST evaluation tool from the users across India and Bangladesh.

The study was shared with different professional groups during the various Conferences conducted in 2019-20.

Title of the paper: Evaluation of satisfaction with Innovative Twin Device used by Children with Delayed Developmental Milestones.

Authors: Mr. Soikat Ghosh Moulic, Associate Director-Technical & Quality Systems (Rehabilitation services & product development) and Mr. Riyaz Hussain, Manager-Therapy Services.

➤ **Name of the Conference** : 2nd National Conference of Indian Association of Assistive Technologists on Assistive Technology in Neuro Rehab.



Ms. Sudipta Pradhan

Date of the Conference : 22nd and 23rd December 2019 at Chandigarh

Presenter : Ms. Sudipta Pradhan, Clinical Prosthetist and Orthotist, Mobility India

➤ **Name of the Conference** : XXVth National Conference of Orthotics & Prosthetics Association of India-OPAI 2020

Date of the Conference : 7th – 9th February 2020 at Bhubaneswar

Presenter : Mr. Kamaraj.V, Manager-P&O Training, Mobility India



Mr. Kamaraj.V

➤ **Name of the Conference** : 58th Annual Conference of The Indian Association of Physiotherapists.

Date of the Conference : 6th – 8th March 2020 at Chennai

Presenter : Ms. Subhalaxmi Sahoo, Physiotherapist, Mobility India



Media Coverage

An article on 3D Technology for fabrication of Transtibial prosthesis was published in Kannada newspaper "Hosa Digantha" on 2nd January 2020.

ದೇಶದಲ್ಲಿ ಮೊದಲ ಬಾರಿಗೆ ಅಗತ್ಯ ಸೌಲಭ್ಯ ತಯಾರಿಸುವ ಯಂತ್ರ | ವಿಶಿಷ್ಟ ಚೇತನರಿಗೆ ಶುಭಸುದ್ದಿ 3ಡಿ ಮುದ್ರಣಯಂತ್ರದಿಂದ ವಿಶಿಷ್ಟಚೈತನ್ಯ

• ರಾಜೀವ್ ಸಾಯ್‌ಗೆ ಮಂಜಿ

ಬೆಂಗಳೂರು: ವಿಶ್ವವಿಖ್ಯಾತವಾಗಿ ದೇಶದ ಅಗತ್ಯ ಸೌಲಭ್ಯಗಳನ್ನು ತಯಾರಿಸಲು ದೇಶದಲ್ಲಿ ಮೊದಲ ಬಾರಿಗೆ 3ಡಿ ಮುದ್ರಣ ಯಂತ್ರ ಬೆಂಗಳೂರಿನಲ್ಲಿ ಬಳಕೆಗೆ ಬಂದಿದೆ.

ವ್ಯಕ್ತಿಗು ಭಾರತದಲ್ಲಿಯೇ ಮೊತ್ತ ವೇರಿಸಬಾರಿಗೆ ವಿಶಿಷ್ಟ ಚೇತನರಿಗೆ ಪಾರದರ್ಶಕ ನೀಯವ ಅಂಶದಿಂದ ತೇವಿಸಿದಲ್ಲಿ ತೆರೆ ಎತ್ತಿದ ಮೊದಲಿನ ಇಂಡಿಯಾದಲ್ಲಿ ಕೈ, ಕಾಲು ಇವುಗಳಿಗೆ ಕೃತಕ ಕಾಲು ತಯಾರಿಸಿ ಕೊಡುವುದು, ಇತರೆಯಲು ಅಗತ್ಯವಾದವಾಗಿ ವಿಶೇಷ ಕುರ್ಚಿಗಳನ್ನು ತಯಾರಿಸಿ ಕೊಡುವುದರ ಜೊತೆಗೆ ಅಭ್ಯಾಸಕ್ಕೆ ಯಾವ ರೀತಿ ಬಳಕೆ ಮಾಡಬೇಕು ತಿಳಿಸಿ ಕೊಡುತ್ತಿದ್ದಾರೆ. ಆ ಮೂಲಕ ವ್ಯಕ್ತಿಗು ಭಾರತದಲ್ಲಿ ತನ್ನದೇ ಆದ ಭಾವ ಮೂಡಿಸಿದೆ.

ಸುಮಾರು ಮಗ್ಗುಲಿನ ಕೃತಕ ಕಾಲು ತಯಾರಿಸುವ ಮುದ್ರಣ ಯಂತ್ರ ತಯಾರಿಸುವುದು ಬುನಾಮುಖ್ಯ ದೇಶದ ಯಂತ್ರ ತಯಾರಿಸುವ ಕೃಷಿಕರನ್ನು ಪ್ರೋತ್ಸಾಹಿಸುವ ಕಾರ್ಯ ತಯಾರಿಸಲಾಗುತ್ತದೆ. ಆದರೆ ತಯಾರಿಸಲು ಬೇಕಾದ ಯಂತ್ರ ಬರುವ ಬಾಕಿ ಮೊತ್ತ ಬಳಸುತ್ತಾರೆ. ಎರಡನೆ ಬಾರಿಗೆ ಅಭ್ಯಾಸಕ್ಕೆ ಬರುವುದನ್ನು, ಒಂದು ಅಷ್ಟು ತಯಾರಿಕೆಗೆ ಬಳಸುವ ವಸ್ತುಗಳು,



ತಯಾರಿಕೆ ಹೇಗೆ?

ದೇಶದ ಯಂತ್ರ ತಯಾರಿಸುವ ಕೆಲಸಕ್ಕೆ ಮೊದಲಿನಿಂದಲೂ 3ಡಿ ಪ್ರಿಂಟ್ ಮಾಡಲಾಗುತ್ತದೆ. ಇದನ್ನು ಕಂಪ್ಯೂಟರ್‌ನಲ್ಲಿ ಸಂಗ್ರಹಿಸಲಾಗುತ್ತದೆ. ಇಂತಹ ವಿಷಯಗಳನ್ನು ಆ ಕಾಲಿಗೆ ತಕ್ಕಂತೆ ಕಂಪ್ಯೂಟರ್‌ನಲ್ಲಿ ವಿಷಯ ಮಾಡಿ ತಯಾರಿಸುತ್ತಾರೆ. ಕೃತಕ ಕಾಲುಗಳನ್ನು ಯಂತ್ರದ ಮೂಲಕ ಮುದ್ರಣ ಮಾಡುತ್ತಾರೆ. ಇದರ ತಯಾರಿಕೆಗೆ ಕೆಲವು ಮೂಲದಿಂದ ಸಾಬ್ಬು ಗುಂಡನ್ನು ಸುಲಭವಾಗುತ್ತದೆ.

ತರಬೇತಿ

ಪರಿಣಿತರಾದ ಕಾರ್ತವ್ಯ ಮತ್ತು ಬಂದವರು ದೇಶದಲ್ಲಿ ಇಂಡಿಯಾದಲ್ಲಿ ವಿಶೇಷ ಅಂತಿಮ ನಡವಳಿಯಾಗುತ್ತದೆ. ಫೈನಲ್‌ನಲ್ಲಿ ಮತ್ತು ಅಭ್ಯಾಸಕ್ಕೆ ವಿಷಯದ ಮೇಲೆ 4ಬಾರಿಗಳ ವಯಸ್ಸಿನಲ್ಲಿ, ಬುನಾಮುಖ್ಯ 2 ಅಭ್ಯಾಸಕ್ಕೆ ತೆಗೆದುಕೊಳ್ಳುತ್ತಾರೆ. ವಿಷಯದಲ್ಲಿ, ಸಾರ್ವಜನಿಕ ರೀತಿಯಲ್ಲಿಯೂ, ಮುಖ್ಯವಾಗಿ ವಾರ್ಡ್‌ನಲ್ಲಿ ಸಹಾಯಕರಾಗಿ ಕೆಲಸ ಮಾಡುತ್ತಾರೆ.

ವಿಶೇಷ

3ಡಿ ಮುದ್ರಣಕ್ಕೆ ಬಳಸುವ ಫೈನಲ್ ಪ್ರಿಂಟ್ ಮಾಡುವುದಾಗಿದ್ದು, ಎರಡು ಬಾರಿ ಮಾಡುವುದರಿಂದ ಕಡಿಮೆಯಾಗುತ್ತದೆ.



3ಡಿ ಮುದ್ರಣ ಯಂತ್ರ 1997ರಲ್ಲಿ ಅನಿವಾರ್ಯವಾಗಿಲ್ಲದೇ ಕೂಡ ವಿಶಿಷ್ಟಚೇತನರಿಗೆ ದೇಶದ ಅಗತ್ಯ ಸೌಲಭ್ಯಗಳ ತಯಾರಿಕೆಯಲ್ಲಿ ಮೊದಲ ಬಾರಿಗೆ ಮೊದಲಿನ ಇಂಡಿಯಾದಲ್ಲಿ ಬಳಕೆಗೆ ತರಲಾಯಿತು. ಈ ಯಂತ್ರದ ಬಳಕೆ ಮಾಡುವುದರಿಂದ ಕೃತಕ ಕಾಲುಗಳ ತಯಾರಿಕೆಯ ಜೊತೆಗೆ ಕೊನೆವರೆಗೆ ಅವಿಚ್ಛೇದನವಾಗಿದೆ. ಹೆಚ್ಚು ಉದ್ದುಗಳಿಗೆ ಕೂಡ ತಯಾರಿಸಬಹುದಾಗಿದೆ.

■ **70ರೇವೂರ್,** ಶಿ.ಪಿ.ನಗರದ 3ಡಿ ಪ್ರಿಂಟ್‌ನೋರ್ಸ್ ನಿರ್ದೇಶಕ

ಪ್ರಯೋಜನವನ್ನು ತಯಾರಿಸುವುದಾಗಿದೆ. ಒಬ್ಬ ವಿಶಿಷ್ಟಚೇತನ ವ್ಯಕ್ತಿ ಕೃತಕ ಕಾಲು ತಯಾರಿಕೆಗೆ ಎರಡು ಬಾರಿ ಭೇಟಿ ನೀಡಬೇಕು ಸಾಧ್ಯವಾಗುತ್ತದೆ. ಇದರಿಂದ ಆ ವ್ಯಕ್ತಿ ಹೆಚ್ಚು ಬಾರಿ ಅಕರದಾದವು ಪಡೆದುಕೊಳ್ಳುತ್ತದೆ. ಒಂದು ಬಾರಿ ಪ್ರಿಂಟ್ ಮಾಡಿದರೆ ಕಾಲಿಗೆ ಅಭ್ಯಾಸಕ್ಕೆ ಬಳಸಬಹುದಾಗಿದೆ.

ಬರುವುದು. ಇದರಿಂದ ಆ ವ್ಯಕ್ತಿ ಮತ್ತಷ್ಟು ಅಗತ್ಯ ಸರಿ ಇದೆಯೇ ಎಂದು ಪರಿಶೀಲಿಸಲು ಬರುವ ಅಗತ್ಯ ಇರುವುದನ್ನು ತಿಳಿಯುವುದು ಆ ವ್ಯಕ್ತಿಗೆ ತಯಾರಿಸುವ ಕಾಲಿನಲ್ಲಿ ನಡೆಯಲು ಕಷ್ಟವಾಗುವುದಾಗಿದೆ. ಸಂಭವಿಸಿದಲ್ಲಿಯೇ 3-5ಬಾರಿಗೆ ಕಾಲು ತಯಾರಿಸುವ ತರಬೇತಿ ಇರುವುದು.



Affiliations For Training Programmes



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

Ms. Kathleen Agera, a 16 year old young volunteer Supported MI for 3 months in various activities like promotion, conducting english classes etc. She was presented with a memento for her remarkable services.



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

 MobilityIndiaEducationandResearch

 @MobilityIn

 Mobility India Education & Research

 mobilityindia_education