



Autonomous  
Institute of Health  
Sciences

ATAL  
INCUBATION  
CENTRE

Atal Incubation  
Centre-Nalanda  
Institute of Technology  
Foundation (AIC-NITF)

23rd May 20



Margdarsi  
Foundation

Autonomous  
Institute of Health Sciences

# VRTAANT

Chronicle of Empowering Rehabilitation  
May 24 - Jun 24

## WELCOME TO THE **SECOND EDITION** OF THE INSTITUTE OF HEALTH SCIENCES QUARTERLY NEWSLETTER!

For over 25 years, the Autonomous Institute of Health Sciences (IHS) has held a steadfast mission: to be a pioneering force in the field of medical rehabilitation of people with all kinds of disabilities. Our unwavering dedication lies in helping individuals with disabilities live a fulfilling and integrated life within the society, regardless of their chronic conditions or disorders.

Our vision extends beyond simply providing medical intervention. We actively engage in manpower development in rehabilitation sector, conducting research to develop solutions and even public awareness programs like Hear Expos and Autism Day celebrations. These initiatives while aim to educate the public about early diagnosis, the importance of medical rehabilitation for various developmental disorders, also creates hope for the people with disabilities.

The past quarter has been a whirlwind of activity at IHS! We hosted a variety of events aimed at capacity building of professionals, sensitization of public, volunteering activities aimed at promoting inclusion and need for medical intervention through early diagnosis. These included:

- Major Activities Undertaken During the Month
- Total No. of Beneficiaries Served
- Skill Development Activities
- Conferences/Seminars Arranged
- Awareness Generation and Camps
- Progress made in E-governance
- Major Achievements

At IHS, we are dedicated to providing a comprehensive range of services that support and empower individuals with disabilities. We believe everyone deserves the opportunity to reach their full potential, and our programs are designed to address their physical, mental, and social needs.

Join us in this transformative journey! Together, let's build a society where everyone has the opportunity to reach their full potential.



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## I. MAJOR ACTIVITIES UNDERTAKEN DURING THE MONTH:

### Career Counselling and Student Outreach events (May and June, 2024)

To spread awareness and promote various rehabilitation courses, IHS has been regularly conducting promotional and career counseling events by reaching out to schools, junior colleges, and other educational institutions. On May 5th and 9th, the staff of IHS organized outreach events for students and parents at around 25 designated places in and around Bhubaneswar. They contacted approximately 2,200 students and parents, explaining the various courses in the rehabilitation domain, their scope, and how these courses provide an excellent and satisfactory career option for those who want to serve society by becoming healthcare professionals.

We are also organizing regular webinars to reach out to the student community, spreading awareness and providing counseling regarding career options in the rehabilitation domain. We have conducted four webinars so far (on May 18th, 21st, 23rd, 29th, and June 10th), where Prof. Satya Mahapatra, Founder and Director of IHS, and other faculty interacted with around 120 students, clarifying various queries related to bachelor's courses in Physiotherapy and Audiology & Speech-Language Pathology.



Image 1: Webinar; Career counseling



Image 2: Career counseling & Student Outreach

## II. TOTAL NO. OF BENEFICIARIES SERVED:

The Autonomous Institute of Health Sciences in Bhubaneswar in its sprawling campus manages various facilities to provide multi-modal therapy to people with disabilities. We have state of the art clinical facilities providing services in the domain of Neuro-rehab, Sports Medicine, Musculoskeletal, Audio Vestibular, mental health, swallowing disorders etc., for both pediatric and geriatric patients.

Our 'Model Centre for The Children with Special Needs' is one of its kind facilities providing excellent therapeutic intervention for the children suffering with diverse developmental disorders. Apart from the conventional methods we also utilize ayurvedic, naturopathy and nutraceuticals to provide the best evidence-based therapies to ensure quick restoration to functional independence. Over the past month, approximately 130 beneficiaries, including roughly 100 new patients, have received various clinical services on our campus and at outreach locations.



Image 3: Clinical Services at IHS



Image 4: Clinical Services at IHS

## III. SKILL DEVELOPMENT ACTIVITIES:

### Seminar on Jamovi Software (8th May, 2024)

An interactive seminar was organized for the IHS faculty, focusing on the use of Jamovi for clinical research. The program was designed to enhance the data analysis skills of faculty members using Jamovi, a user-friendly statistical software. Dr. Pratap Kumar Jena, Associate Professor at the School of Public Health, KIIT, BBSR, and an expert in statistical analysis and software applications, was the esteemed resource person for this event.



Image 5: Seminar on Jamovi Software (7th May 2024)

#### Collaboration with ODM Global School for internship (21st-31st May, 2024)

As part of our Skill Development Initiative, we have been collaborating with the ODM Global School, Bhubaneswar, to admit their students (grades XI and XII) as interns since May 21st. The interns have been exposed to various tools, protocols, and therapeutic methods pertaining to Physiotherapy and Audiology/Speech Therapy. In alignment with the NEP, their internship module has been designed to provide them with a basic understanding of the tools prevalent in the rehabilitation domain.



Image 6: Collaboration with ODM Global School for internship

#### Workshop on PHEEZEE EMG Biofeedback (20th June, 2024)

A workshop on “PHEEZEE EMG Biofeedback” was organized by IHS on June 20th. PHEEZEE is an AI-powered wearable device by Startoon Labs that can be worn by patients during physiotherapy sessions. The device provides real-time biofeedback on the range of motion and electromyogram (EMG) of the recruited muscle. The resource person, Mr. Suresh Susurla from Edumedics, Bhubaneswar, explained and demonstrated in detail how the device connects wirelessly to an Android phone/tablet to display reports, allowing the physiotherapist to record

cumulative progress. The faculty and students learned how the PHEEZEE device can be used for upper limb, lower limb, and spinal cord evaluations.



Image 7: Workshop on PHEEZEE

## IV. CONFERENCES/SEMINARS ARRANGED:

#### Webinar on intellectual property rights focusing on patenting procedures for medical rehabilitation (9th May, 2024)

A webinar was organized on May 9th, 2024, to provide the IHS faculty with rich insights regarding intellectual property rights, focusing on patenting procedures for medical rehabilitation. Ms. Aparna Kareer, an IP lawyer with Obhan & Associates, who has over 10 years of experience in the field of IP, spoke about the importance and types of intellectual property rights (IPR), the process of patent protection, preparing patent applications, and more.

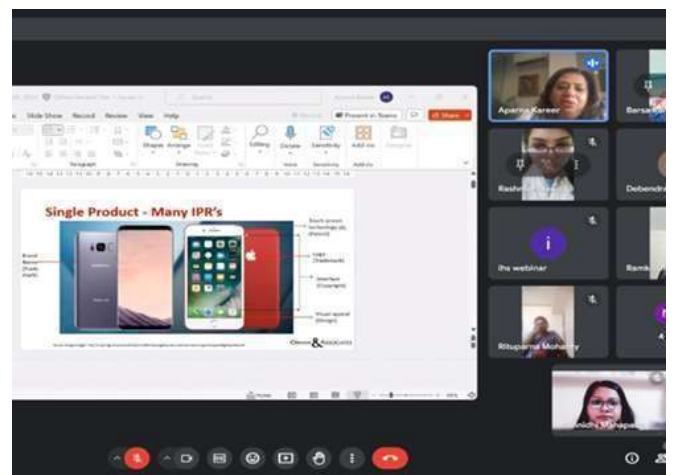


Image 8: Webinar on intellectual property rights focusing on patenting procedures for medical rehabilitation

#### Student Development Program on “Artificial Intelligence and Applications in the Healthcare Domain” (18th June, 2024)

A student development program was organized in the IHS academic block on June 18th, 2024. Prof. Debi Prosad Dogra, Associate Professor at IIT Bhubaneswar, led the event focusing on “Artificial Intelligence and Applications in the Healthcare Domain.” The interactive and inspiring workshop underscored the importance of AI in image analysis, medical device automation, personalized medicine, patient monitoring, and enhancement of human capability, especially in the rehabilitation domain. Prof. Dogra expressed his satisfaction with the event and his desire to engage with IHS for long-term collaboration in developing AI-based apps for autism intervention.



Image 9: SDP Program

#### Student Development Program on Health and Hygiene (24th June, 2024)

On June 24th, a student development program was organized in the IHS academic block. Dr. Deepak NP, an Ayurveda Physician from Chandaka Healthcare Private Ltd, led the session to share his rich insights on holistic healthcare from an Ayurvedic perspective. He focused on various fundamental concepts of Ayurveda related to body type, characterization, diet, and lifestyle. He provided scientific validation behind the lifestyle factors leading to the rise of conditions like autism, cancer, etc. It was a wholesome session, providing fresh insights into many diseases that have become prevalent due to modern lifestyle choices. Dr. Deepak also emphasized the importance of integrating Ayurvedic principles with contemporary medical practices to enhance overall health outcomes.



Image 10: SDP Program

## V. AWARENESS GENERATION AND CAMPS:

### Health awareness event for Senior Citizens (4th May, 2024)

Around 13 members of “Batrish Singhasan Senior Citizens Association” visited the IHS campus on 4th May to participate in an interactive health awareness event. The members visited various facilities in the campus and learnt about diverse modes of treatments which are available for the people with disabilities and senior citizens. The members also consulted our therapists' regarding their own conditions and challenges. In an interactive session held at the institute academic block Prof Satya Mahapatra, Founder Director, Dr Santosh Mohanty, Member, Advisory Board, Dr Bhabani Shankar Padhy, Principal, & Ms. Nalini Mohanty, Program Director, IHS elaborated various treatment protocols which are available for the senior citizens customized to their requirement. Mr. Ganesh Pradhan, President of the association thanked IHS and pledged to collaborate with us to reach out to the larger senior citizens community through planned intervention and events.



Image 11: Health awareness event for senior citizens



Image 12: Health awareness event for senior citizens

### Comprehensive Health Camp (6th & 19th May, 2024)

The Institute of Health Sciences conducted a free medical camp at Pristine Green Society, Pokhariput, Bhubaneswar, on May 6th. Similarly, another camp was organized on May 19th at Cosmopolis Society, Khandagiri, Bhubaneswar. These two health camps included free medical screening for hearing loss, speech disorders, mental health issues, and physiotherapy.

Free medicines were distributed to the patients. In both camps, around 60 patients availed the services of our skilled therapists. Both camps were resounding successes in terms of patient satisfaction and follow-up.

**POSH workshop for the employees and staff (19th - 21st June, 2024)**

Following our commitment to make IHS a secure and safe workplace, a POSH (Prevention of Sexual Harassment) workshop was organized to sensitize its employees and students regarding workplace behavior, aiming to create a safe and secure work environment. All employees and students participated in this workshop, which was held on June 19th, 20th, and 21st, and was led by Mr. Manoj Kumar Patnaik, a certified POSH trainer. The participants were exposed to real-life case studies, various legal provisions associated with workplace harassment, and ways to prevent such incidents in their respective workplaces.



Image 13: SDP Program



Image 14: SDP Program

**Observation of International Yoga Day (21st June, 2024)**

Institute of Health Sciences observed 10th 'International Day of Yoga for Self and Society' on 21st June 2024 by the students and the teachers of Institute. The function commenced with a series of talks by Mr. Ramkrishna Pattanayak, Yogacharya and Dr. Bhabani Shankar

Padhy, Principal emphasizing on the importance of Yoga in modern time and how it is helpful in all the aspect of our life. Apart from this they explained about the mental health and potential of yoga therapy in disability rehabilitation. After which Yoga session was conducted for 45 minutes.

During practice the instructor made the participants aware about the benefits of each posture and breathing and the contraindications wherever required. A Special Yoga session was held for the children with special needs who are being treated at IHS. All faculties, staff and student learnt about the importance of yoga in their life and how to maintain the social code of conduct and the personal code of conduct as said in yoga philosophy.



Image 15: International Yoga Day



Image 16: International Yoga Day



Image 17: International Yoga Day

## VI. PROGRESS MADE IN E-GOVERNANCE:

### ERP Implementation for Enhanced E-Governance at IHS

The Institute for Higher Studies (IHS) has implemented a comprehensive ERP system to enhance e-governance. Key initiatives include:

- Hostel Database Upgrade: Improved management of inmate records with real-time updates.
- Fees Collection: Streamlined online payment gateway, reducing errors and enhancing convenience.
- Staff Directory: Updated and accessible directory, improving internal communication.
- Marketing Contacts: Regular updates to marketing contacts for effective campaign management.
- Event Management: Efficient scheduling and communication of institute events.
- Leave Applications: Digitized process for quicker, transparent approvals.
- Attendance Capture: Automated biometric system for accurate, real-time tracking.
- Daily Reporting: Digital module for streamlined staff reporting.
- Online Admission Tests (IMAT): Secure, efficient portal for managing admissions tests.

These initiatives have improved operational efficiency, data accuracy, and service delivery, aligning with IHS's commitment to technological advancement in governance.

## VII. MAJOR ACHIEVEMENTS:

### MOU for Research Collaboration with Atal Incubation Centre (May 23rd, 2024)

On May 23rd, the Institute of Health Sciences, Bhubaneswar, and AIC-Nalanda Institute of Technology Foundation, represented by IHS Founder and Director Prof. Satya Mahapatra and NITF-AIC CEO Mr. Durga Prasad Gouda, joined forces to drive groundbreaking research and development initiatives in the rehabilitation domain.

This MOU marks the beginning of a fruitful partnership between two premier institutions in Odisha, aimed at achieving excellence and fostering innovation in assistive technology for disability rehabilitation.



Image 18: Research Collaboration with Atal Incubation Center



Image 19: Research Collaboration with Atal Incubation Center

Stay tuned for the next edition of the IHS Quarterly Newsletter, where we will share more inspiring stories and updates on our ongoing work.

**Thank you for your continued support!**

**Contact US**

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