

Annual Report 2024-25



NATIONAL INSTITUTE FOR LOCOMOTOR DISABILITIES (DIVYANGJAN), KOLKATA



Participants of five days RCI Accredited Faculty development Program



Faculties and Student of College of Occupational Therapy, Georgia State University, USA Visited NILD, Kolkata



Hon'ble Member of Parliament Sh. Ravi Shankar Prasad and MLA Dr. Sanjeev Chaurasiya graced on the occasion of IDPD Day at CRC Patna

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PREFACE

The efforts in empowering person with disability (Divyangjan) have gained momentum globally especially after the convention on rights of person with Disabilities was adopted. In India too, as per the principles laid down in the convention, it has drafted an Act for Person with Disabilities ACT, 2016. This milestone has paved way for not only providing welfare based activity but more towards ensuring a rights based approach.

With a strong foundation of values, expertise and experience, National Institute for Locomotor disability (Divyangjan), Kolkata (NILD) passed another year in the services of the person with disabilities. NILD, Kolkata moved forward functioning shoulder to shoulder with Department of Person with Disability (Divyangjan), Ministry of Social Justice and Empowerment, GOI to implement the policies, schemes, research, human resources development and services. NILD has taken front seat in providing the rehabilitation services to North-East Regions of the country during the year.

NILD is pleased to share the news and events of the past year in the annual reports 2024-2025



About the Institute

National Institute for Locomotor Disabilities (Divyangjan) erstwhile the National Institute for Orthopaedically Handicapped (NIOH) was established in the year 1978 in Calcutta, West Bengal under Ministry of Social Welfare, Govt. of India as an autonomous body under Societies Registration act 1961. NILD is a leading Central Government organization funded by the Department of Empowerment of Persons with Disabilities, Ministry of Social Justice and Empowerment, Govt. of India. It is situated in the campus of the former Kumar P.N. Roy Group of Hospitals at Bon-Hooghly, Kolkata. It is an apex organization which is chiefly functioning in the area of locomotor disability (Divyangjan). The Institute supports and enables persons with locomotor disability (Divyangjan) to optimize their potential and to realize their right to live life on an equal basis with their non-disabled peers through rehabilitation management, education, training, research and human resource development. The institute also give impetus to the rehabilitation related activities in North East Regions through its Composite Regional Centres for Persons with Disabilities (Divyangjan) and Regional Centres.



OBJECTIVES

- To conduct/sponsor, co-ordinate or subsidize research in all aspects of the education and rehabilitation of the Persons with Locomotor Disabilities which expression shall also include the neurological condition with problems of coordination or mobility.
- To undertake, sponsor, coordinate or subsidize research in biomedical engineering leading the effective evolution of aids or suitable surgical or medical procedures or the development of new aids.
- To undertake or sponsor the training of trainees and teachers, employment officers, psychologists, vocational counselors and such other personnel as may be deemed necessary by the institute for promoting education, training or rehabilitation of the persons with locomotor disabilities.
- To distribute, promote or subsidize the manufacture and distribution of any or all aids designed to promote any aspects of the education, rehabilitation or therapy of the persons with locomotor disabilities.



Activities at a Glance

The Activities of this Institute comprise broadly the following areas :

- Human Resource Development
- Rehabilitation Services
- Research and Development
- Library, Documentation and Dissemination of Information
- Out Reach & Extension Services
- Awareness Generation
- Students' Placement
- Estate and Civil Engineering Department

The above activities are undertaken by various departments, units, composite regional centres, and regional centres under administrative control of the institute.

- Medical Rehabilitation
- Physiotherapy
- Occupational Therapy
- Prosthetics and Orthotics
- Socio-Economic Rehabilitation
- Rehabilitation Nursing
- Rehabilitation Engineering
- Cross Disability Early Intervention Centre (CDEIC)
- Department of visual impairment
- Outreach Unit



EXECUTIVE SUMMARY

National Institute for Locomotor Disabilities (Divyangjan) erstwhile the National Institute for Orthopaedically Handicapped (NIOH) was established in the year 1978 in Calcutta, West Bengal under Ministry of Social Welfare, Govt. of India as an autonomous body under Societies Registration act 1961. NILD, Kolkata is a leading Central Government organization funded by the Department of Empowerment of Persons with Disabilities, Ministry of Social Justice and Empowerment, Govt. of India.

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- Medical Rehabilitation
- Physiotherapy
- Occupational Therapy
- Prosthetics and Orthotics
- Socio-Economic Rehabilitation
- Rehabilitation Nursing
- Diagnostic Services (Pathology/EMG/X-Ray)
- Rehabilitation Engineering
- Cross Disability Early Intervention Centre (CDEIC)
- Department of visual impairment
- Outreach Unit
- Library, Information & Documentation
- Students' Placement Cell



A. Rehabilitation Services

i. Through Institute

Comprehensive Rehabilitation Services through the Institute : The Institute’s medical rehabilitation department operates in close coordination with other departments to offer comprehensive rehabilitation services to individuals with disabilities, facilitated through the outpatient and inpatient departments (OPD/IPD) of the Institute. The process begins with a detailed assessment of each individual’s condition, followed by the formulation of a personalized long or short-term rehabilitation plan. This plan is devised by a skilled team comprising professionals such as Physiatrists, Orthopedic Surgeons, Physiotherapists, Occupational Therapists, Prosthetists & Orthotists, Clinical Psychologists, Social Workers, and Vocational Counselors etc. The OPD/IPD mainly handles cases related to conditions such as Cerebral Palsy, Congenital Limb Deficiencies/Deformities, Amputations, Spinal Deformities, Spinal Cord Injuries, Stroke Autoimmune Disorders, Neuromuscular Disorders, Degenerative Conditions leading to locomotor problems, and Post Polio Residual Paralysis (PPRP), among others. The department ensures that individuals receive specialized care and attention, aiming to improve their quality of life and functional abilities. Through this integrated approach and the combined expertise of various disciplines, the Institute’s medical rehabilitation department strived to empower individuals with disabilities & helped them to overcome challenges and achieve their fullest potential in their journey towards recovery and improved well-being.

Medical and Surgical Services: Throughout the years 2024–25, the OPD has been pivotal in providing clinical services for new and follow up patients. In 2024–25, the OPD registered 26,395 new cases and 17,137 follow ups along with 206119 supporting services.

No. of Beneficiaries of the Institute			
	2022-23	2023-24	2024-25
New cases	26217	26400	26395
Follow-ups	19726	19141	17137
Supporting Services	219924	207636	206119
Total	2,65,867	2,53,177	2,49,651

For more extensive treatments and care, the Institute offered inpatient services with a total of 50 beds, organized into specialized wards — including surgical, rehabilitation, SCI, and private wards. The number of in patients treated during 2024–25 is 260.

To address deformities and enhance functionality, the

Institute performed restorative surgeries during 2024-25 as follows :

- 932 minor surgeries and
- 125 major surgeries

These surgical interventions have been vital in preventing and correcting deformities, enabling patients to achieve significant functional improvement and a better quality of life.



Restorative Surgery :

No. of in patients	258	229	260
Major Operations	139	161	125
Minor Operations	1502	1031	932

Advanced Diagnostic Facilities : Diagnostic facilities for Pathological, Radiological and Electro-diagnostic Investigations for the indoor and outdoor patients were available. During the year 2024-25 Total 34232 number of diagnostic investigations done. The details of diagnostics facilities during last three years was as below.

Diagnostic Services :

	2022-23	2023-24	2024-25
X-Rays	10154	6487	7475
Pathological test	30292	22029	20818
EMG, NCV	7669	7411	5939

Physiotherapy Services : The Department of Physiotherapy at the Institute is equipped with advanced and modern equipment, allowing them to deliver high-quality services to patients in need. During the year 2024–25, the department rendered an impressive 71361 services, providing much-needed therapeutic interventions to a total of 44103 patients.



Physiotherapy	2022-23	2023-24	2024-25
New cases	15124	15306	16102
Follow-ups	22105	28980	28001
Services	51130	64668	71361

Aside from its core focus on rehabilitation services, the department was actively involved in teaching and research. By imparting knowledge and training to future physiotherapists and conducting research, the department contributed to the advancement of the field and the improvement of patient care. With its commitment to excellence in both patient care and academia, the Department of Physiotherapy played a crucial role in enhancing the well-being and quality of life for numerous individuals seeking rehabilitative support at the Institute.

Multifaceted Contributions of the Physiotherapy Department



Occupational Therapy Services : The Department of Occupational Therapy at the Institute is primarily engaged in teaching, research, and providing rehabilitation services to the PwDs. During 2024–25, the department served a total of 4967 new patients & 22,957 follow ups patients and provided 44326 therapy services to all visiting patients in OT department.

Occupational Therapy	2022-23	2023-24	2024-25
New cases	3166	2318	4967
Follow-ups	16532	20674	22957
Services	31111	40609	44326

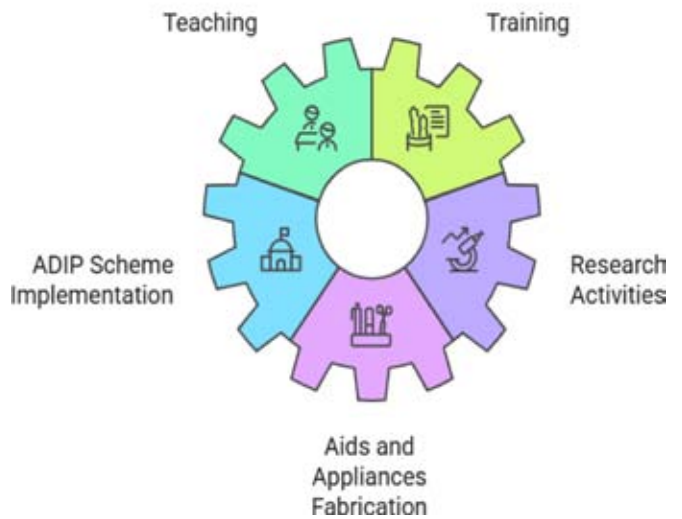
Through its dedicated clinical care, teaching, and research efforts, the department has contributed significantly to improving the functional abilities and promoting the independence of individuals with disabilities. Its commitment ensures enhanced quality of life and long term benefits for patients and their families.

Occupational Therapy Services Overview



Empowering Lives through Prosthetics and Orthotics (P&O) : The Prosthetics and Orthotics (P&O) department is a crucial division of the Institute, significantly impacting the lives of individuals with disabilities, enhancing their mobility and independence. Besides its core function, the department is actively involved in teaching, training, implementing the ADIP scheme, and conducting research activities.

Empowering Lives Through P&O

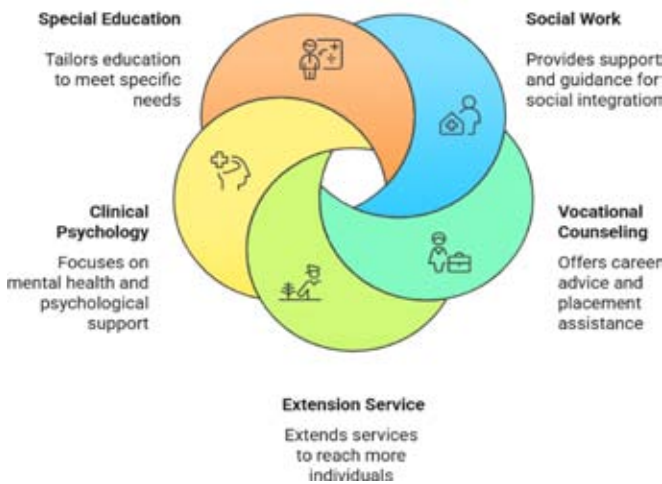


Throughout the year 2024-25, the P&O department designed and fabricated 4,358 aids and appliances. This underscores their commitment to improving the quality of life for persons with disabilities by providing specialized equipment tailored to their unique needs. With its multifaceted approach, the P&O department plays a key role in empowering individuals to lead fulfilling lives and overcome physical challenges.

Prosthetics & Orthotics	2022-23	2023-24	2024-25
Prostheses & Orthoses	3759	3991	4243
Rehabilitations aids	194	213	115

Socio-Economic Rehabilitation (SER) : For the purpose of integration of persons with disabilities (PwDs) into the social and economic mainstreaming of society the faculties and manpower of Department of Socio Economic Rehabilitation (SER) provided teaching, training and rehabilitation services in the Institute through its units like (a) Social Work (b) Vocational Counseling Guidance and Placement (3) Extension Service (4) Clinical Psychology (5) Special Education.

Components of Socio-Economic Rehabilitation

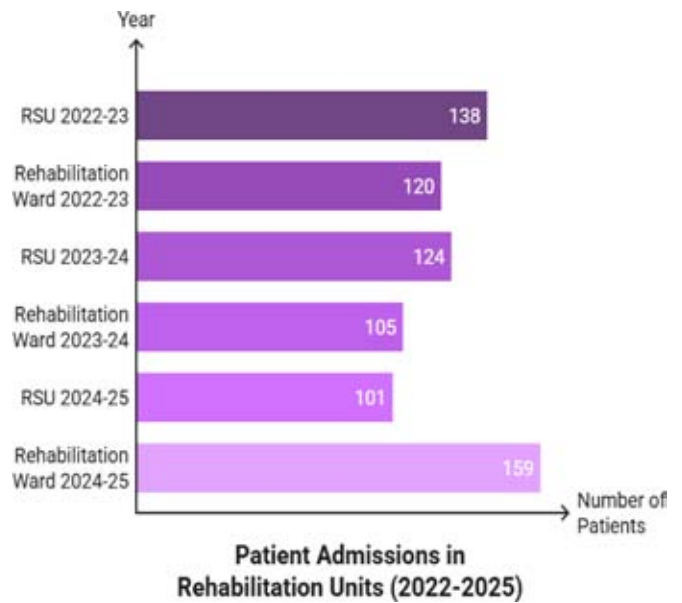


During the year 2022-23 to 2024-25 following services were provided.

Socio-Economic Rehabilitation :			
Services	2022-23	2023-24	2024-25
Social Assessment & Counselling	2040	2063	2359
Vocational Counseling & Guidance	397	447	451
Clinical Psychology	947	1459	1420
Special Education	405	70	528
UDID Registration	594	1668	865
Niramaya Registration	--	--	78
Placement/Employment	13	08	62

Comprehensive Rehabilitation Nursing Services : The department of Rehabilitation Nursing Service includes a comprehensive range of inpatient and outpatient services and continuing care for patients who experience debilitating illness or injury. Patients with complains of congenital deformities, fractures, amputations, SCI, multiple trauma or injuries and other musculoskeletal deformities are admitted for surgeries and post-operative rehabilitation services. During the year 2024-2025, the number of patients allowed to be admitted in the RSU and Rehabilitation ward of the Institute was 260.

Ward	2022-23	2023-24	2024-25
RSU	138	124	101
Rehabilitations Ward	120	105	159



Cross-Disability Early Intervention Centre (CDEIC) : This dedicated center, situated on the ground floor of the main building with a separate entrance, focuses on the pediatric population aged 0-6 years at NILD Kolkata, along with 13 other centers across the country. The primary objective of the CDEIC is to provide a cross-disability, composite multifunctional facility for therapeutic interventions. By doing so, it aims to reduce the burden of disability on individuals and their families. Additionally, the center offers counseling and support to parents, preparing children for school readiness, an essential aspect of inclusive education.

Unveiling the Multifaceted Impact of CDEIC



Throughout the year 2024-25, the center made a positive impact on the life of a total of 8,056 cases representing various disability categories, providing them with 40,617 early rehabilitation services and a supportive environment under one roof.

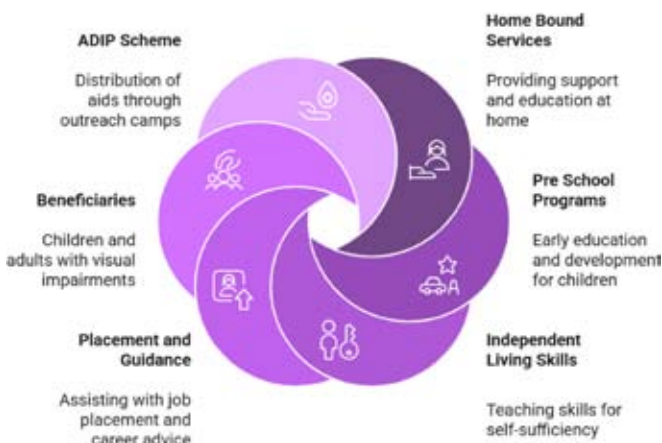
Cross Disability Early Intervention	2022-23	2023-24	2024-25
New cases	2023	1749	1676
Follow-ups	8507	7624	6380
Services	65236	46012	40617

The CDEIC's holistic approach contributes significantly to enhancing the well-being and development of children with disabilities, fostering their integration into society.

Visual Impairment Unit

The Visual impairment unit was handed over to NILD from NIEPVD Dehradun in the month of April, 2023. The services include Home bound, Pre-school, Independent Living skills programme, placement and guidance. Beneficiaries include children and adults with visual impairment and low vision. Distribution of aids for the Visually impaired under ADIP scheme through outreach camps were also conducted.

Comprehensive Support for the Visually Impaired



ii. Through Camps

The Outreach Section of the Institute conducted Assessment, Identification, and Distribution Camps for Persons with Disabilities (PwDs) under the "Assistance to the Disabled Persons for Purchase/Fitting of Aids/Appliances (ADIP)" scheme, implemented by the Department of Empowerment of Persons with Disabilities (DEPWD), Ministry of Social Justice and Empowerment, Government of India.

Over the year 2024-2025, a total of 28 camps were organized across West Bengal, Assam, Uttar Pradesh, and Andhra Pradesh, following the Standard Operating Procedure (SOP) guidelines. These efforts proved instrumental in providing essential aids and appliances to 1696 PwDs, significantly enhancing their mobility and quality of life.

Through these outreach efforts, the Institute distributed a total of 2,111 aids and appliances, reflecting its steadfast commitment to serving the disabled community and improving access to vital assistive devices and technologies.

Summary of the Total Camps during the last three years :

Outreach Services :	2022-23	2023-24	2024-25
No. of Camps	46	25	28
No. of beneficiaries	1711	670	1668
Aids/appliances distributed	2341	974	2111

B. Human Resource Development

Human Resource Development program in the area of rehabilitation is one of the main objectives of the Institute. The training programs offered during the year fall into two main divisions :

i. Long-term Programs : The Institute continued conducting Bachelor-level and Master-level regular courses throughout the year. These courses are affiliated with the West Bengal University of Health Sciences (WBUHS). The details of various graduate and post-graduate courses undertaken during the year are provided below :



Long term Courses of Graduate and Post Graduate Course :

Sr. No.	Name of Courses	Intake Capacity	Admission			Pass Out		
			2022	2023	2024	2022	2023	2024
1.	Bachelor of Physiotherapy	57	57	57	57	49	49	42
2.	Bachelor of Occupational Therapy	56	56	54	56	39	41	41
3.	Bachelor of Prosthetics and Orthotics	47	25	43	42	28	27	20
4.	Master of Physiotherapy (Ortho)	07	07	07	*	06	05	07
5.	Master of Physiotherapy (Neuro)	03	03	03	*	-	02	03
6.	Master of Occupational Therapy (Ortho)	07	07	07	*	05	04	07
7.	Master of Prosthetics and Orthotics	07	07	07	*	03	03	06
8.	M. Sc. Nursing (Ortho. & Rehabilitation)	10	10	07	08	10	10	08
9.	Post Graduate Diploma in Disability Rehabilitation Management (PGDDRM)	15	04	07	*	06	07	07
10.	CBID	40	18	16	16	18	16	10

Note : *Admission pending due to court case.

ii. Short term Programs : During the period 2024-2025, total 51 different programs were organized. 5879 participants were benefitted through the short term program. These programs were organized to update the knowledge of professionals and capacity building sensitization.

	2022-23	2023-24	2024-25
No. of Programs	22	40	51
No. of Participants	1581	3142	5879

C. Students' Placement

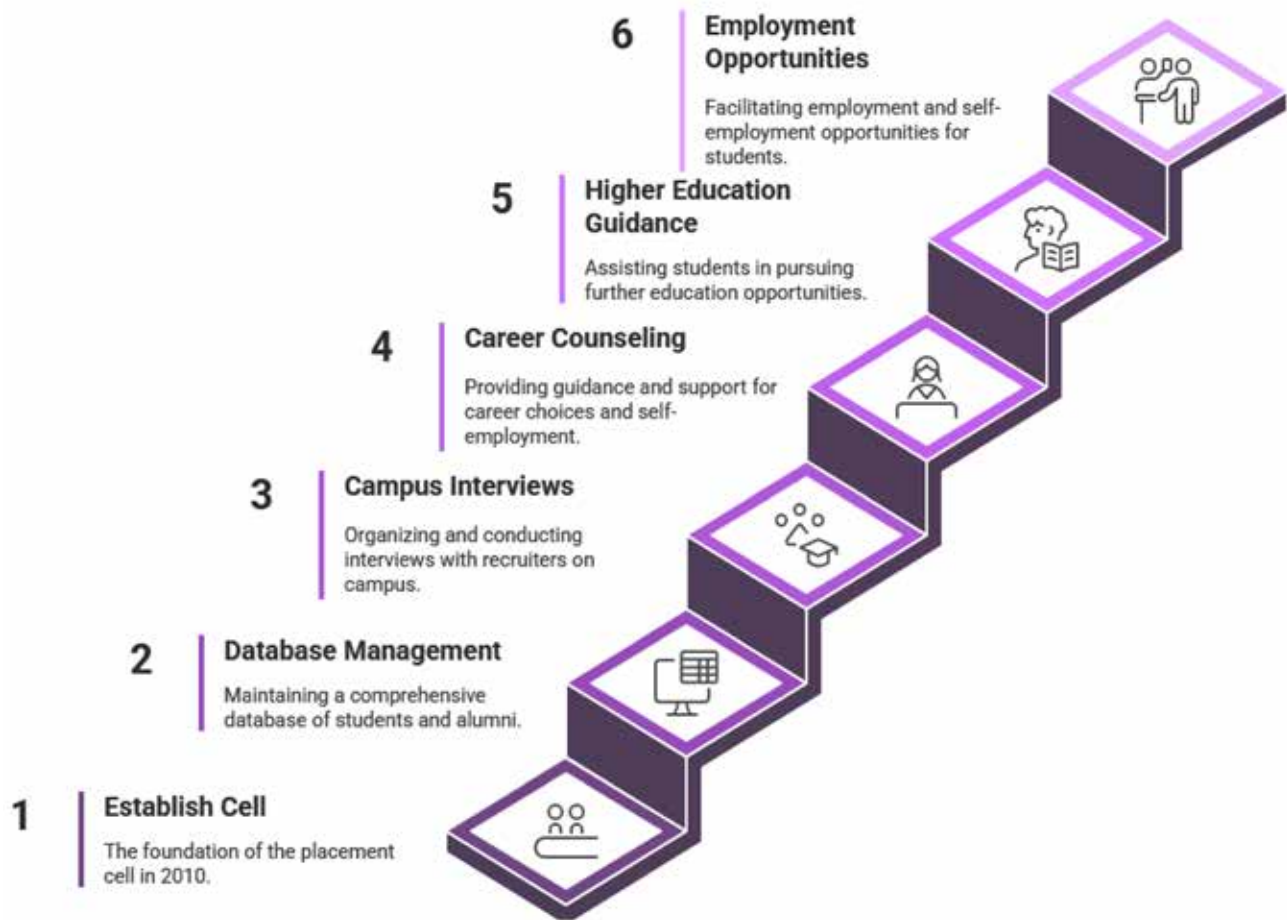
The Student Placement Cell was established in the Institute in 2010 with the primary objective of assisting undergraduates and postgraduates in finding job opportunities upon graduation. The Placement Cell maintains regular communication with reputed rehabilitation centers, hospitals, and institutions throughout the year, actively facilitating connections between these organizations and the Institute's graduates.

Over the period of 2024-25, the Placement Cell has successfully guided a total of 125 students. The outcomes of these efforts are as follows :

Students Placement	2022-23	2023-24	2024-25
Total Number of students appeared for placement	118	127	125
Placement in Non Govt Job	54	66	78
Pursued Higher Studies	48	46	27
Self Employed	12	14	20

During 2024-25, the Placement Cell reached out to 18 well known rehabilitation centers, hospitals, and institutions across the country. As a result of these efforts, a total of 78 students secured positions in the non government sector, reflecting the effectiveness of the Student Placement Cell in facilitating successful career transitions and contributing to the growth of skilled professionals in the rehabilitation field.

Enhancing Student Career Prospects



D. Research & Development :

The research and development unit conducted research projects in collaboration with Indian Space Research Organization (ISRO) & coordinated with other departments of the institute to undertake rehabilitation research and JRF/SRF scholarship program.

E. Library Documentation and Dissemination of Information

The library of NILD, Kolkata, was established in the year 1978-79 and since then, it has become one of the most extensive repositories of rehabilitation books and journals in the city. The library plays a crucial role in the documentation and dissemination of information services for the Institute. With an impressive collection of 14,229 books and journals, including 60 CD/DVDs, the library serves as a valuable resource for rehab professionals, doctors, individuals with disabilities, and their caregivers. It also contains information folders that detail the facilities provided by the Government of India and State Governments, rehabilitation aids/appliances,

and legislations pertaining to persons with disabilities. To ensure accessibility and inclusivity, some of the information materials have been translated into regional languages, widening their reach to a broader audience.

F. Activities by Regional Centers

a) RC-AIZAWL

The NILD Regional Centre in Aizawl was established by the Ministry of Social Justice and Empowerment, Government of India, in 2004. It operates from temporary accommodation within the premises of the State Council of Education Research and Training, Chaltlang, Aizawl. The center provides comprehensive rehabilitation services with a multidisciplinary team approach, involving medical experts, occupational therapists, physiotherapists, speech therapists, audiologists, special education experts, professionals in intellectual disabilities and prosthetics & orthotics (P&O). Its primary focus is to serve the needy population of the North East Region, with a special emphasis on Mizoram.



During the period 2024–25, the center served a total of 1211 individuals, The details are as follows :

Services in OPD / IPD	2022-23	2023-24	2024-25
New Cases	397	355	215
Follow Up Cases	1316	1047	996
Total Supportive Services	1408	2236	1867
No. of Assessment / Distribution Camp	05	04	02
No. of Beneficiaries / No. of Aids & Appliance distributed in camp & OPD	74/167	142/234	65/100
No. of STT, Webinar/No. of Participants	24/585	02/30	16/706

b) RC-NAHARLAGUN

The NILD Regional Centre at Naharlagun, Arunachal Pradesh, was established by NILD, Kolkata, in 2016 and operates from a temporary rented building located in D Sector (near Pachin Colony), Naharlagun, Papumpare. The centre began its operations with a team of four contractual staff members and remains committed to providing essential rehabilitation services to the community.

Over the period of 2024–25, the centre has steadily supported individuals with disabilities through a range of rehabilitative interventions :

Services in OPD / IPD	2022-23	2023-24	2024-25
New Cases	246	417	299
Follow Up Cases	1318	1297	854
Total Supportive Services	1597	1713	1399
No. of Aids & Appliance distributed	14	03	1500 (Through PMDK)
STT/Awareness Program	02	05	06

In 2024–25, the centre provided 1,399 rehabilitation services, benefitting 1,399 individuals, including 299 new patients and 854 follow-up patients.

Despite operating from temporary premises, the NILD Regional Centre in Naharlagun remains dedicated to enhancing the functional abilities, independence, and overall well-being of persons with disabilities, making a meaningful contribution to the rehabilitation landscape in Arunachal Pradesh.

G. Activities by Composite Regional Centres (CRCs) :

a) CRC-SRE-Patna

The CRC in Patna was established in 2009 by the Ministry of Social Justice and Empowerment, Government of India, with the goal of providing quality rehabilitation services and skill development opportunities for persons with disabilities.

During the year 2024–25, the Centre demonstrated significant service delivery :

Services in OPD / IPD	2022-23	2023-24	2024-25
New Cases	2071	1906	4224
Follow Up Cases	33138	32406	10964
Total Supportive Services	33885	61828	35357
No. of Distribution / Assessment Camp	15	05	01/03
No. of Beneficiaries / No. of Aids & Appliance distributed in camp & OPD	705/916	119/133	2167/9785
No. of STT, Awareness Program, CRE / No. of Participants	23/2645	30/2688	83/9265

In 2024–25 alone, the CRC, Patna delivered 35357 rehabilitation services to benefit 4,224 new patients and 10964 follow up cases. These efforts reaffirm the Centre's pivotal role in addressing the rehabilitation needs of persons with disabilities and advancing their empowerment and inclusion within society.

b) CRC-SRE-Tripura

The CRC in Tripura, established in November 2017 at Narsingarh, West Tripura, operates under the administrative control of the National Institute for Locomotor Disabilities (NILD), Kolkata. The Centre provides a wide range of rehabilitation services to persons with disabilities, focusing on skill development, empowerment, and quality care.



Over the period of 2024–25, the Centre served :

Services in OPD / IPD	2022-23	2023-24	2024-25
New Cases	726	644	1792
Follow Up Cases	2592	2068	4562
Total Supportive Services	5478	3490	6389
No. of Distribution Camp	12	02	01
No. of Aids & Appliance distributed in camp & OPD	480/680	154/176	7863 (Through PMDK)
No. of STT, CRE, Webinar/ No. of Participants	07/210	18/193	237/20344

In 2024–25 alone, the Centre delivered 6389 rehabilitation services, benefitting 1,792 new patients and 4,562 follow ups. These efforts highlight the CRC's pivotal role in extending comprehensive rehabilitation, skill development, and empowerment services for people with disabilities across Tripura and its surrounding areas.

c) CRC-SRE-Sikkim :

Composite Regional Centre for Skill Development, Rehabilitation and Empowerment of Persons with Disabilities-Sikkim was handed over to the administrative control of National Institute for Locomotor Disabilities (NILD), Kolkata, on 01st April 2024. During the year centre provided 1696 supportive/rehabilitation services to 2512 new cases and 168 follow up cases.

Services in OPD / IPD	2024-25
New Cases	2512
Follow Up Cases	168
Total Supportive Services	1696
No. of Camp	049
No. of Beneficiaries / No. of Aids & Appliance distributed	308/1524 (Through PMDK)
No. of STT, CRE, Webinar/No. of Participants	19/1457

Year-wise Details of Beneficiaries :

Service in OPD/IPD	2021-22	2022-23	2023-24	2024-25
Assessment Clinic :				
New cases	20414	26217	26400	26395
Follow-ups	16114	19726	19141	17137
Restorative Surgery :				
No. of in patients	237	258	229	260
Major Operations	174	139	161	125
Minor Operations	1849	1502	1031	932
Physiotherapy :				
New cases	11960	15124	15306	16102
Follow-ups	5606	22105	28980	28001
Services	17523	51130	64668	71361
Occupational Therapy :				
New cases	2541	3166	2318	4967
Follow-ups	2286	16532	20674	22957
Services	6244	31111	40609	44326



Service in OPD/IPD	2021-22	2022-23	2023-24	2024-25
Cross Disability Early Intervention				
New cases	1229	2023	1749	1676
Follow-ups	4797	8507	7624	6380
Services	29238	65236	46012	40617
Prosthetics & Orthotics :				
Prostheses & Orthoses	2643	3759	3991	4243
Rehabilitations aids	164	194	213	115
Socio-Economic Rehabilitation :				
Social Assessment & Counselling	1663	2040	2063	2359
Vocational Counseling & Guidance	279	397	447	451
Clinical Psychology	547	947	1459	1420
Special Education	177	405	70	528
UDID Registration	--	594	1668	865
Niramaya Registration	--	--	--	78
Placement / Employment	09	13	08	61
Short Term Training Pro.				
No. of Participant	3317	869	2827	5879
Diagnostic Services :				
X-Rays	10564	10154	6487	7475
Pathological test	23900	30292	22029	20818
EMG, NCV	4436	7669	7411	5939
Outreach Services :				
No. of beneficiaries	1566	1711	670	1668
Aids/appliances distributed	2026	2341	974	2111
Right to Information Cell				
	87	143	123	111
Visual Impairment Unit :				
New cases	--	--	83	93
Follow-ups	--	--	747	697
No. of Services			2933	3300
Assistive Device provided	--	--	--	310
Library & information services :				
Total No. of users	19097	28306	26041	20046
Total no. of user services	15614	23442	17181	13452



VIP VISIT

Sri Rajesh Aggarwal, IAS, Secretary, Department of Empowerment of Persons with Disabilities (Divyangjan), Ministry of Social Justice and Empowerment, Govt. of India visited NILD, Kolkata on 4th to 6th October, 2024.

During his visit he reviewed the activities of NILD and inaugurated World Cerebral Palsy Day on 6th October, 2024 and felicitated to Divyangjan and distributed to CP chair and other devices to CP child.



Dr. Lalit Narayan, Director, NILD, Kolkata
Welcoming Sri Rajesh Aggarwal, IAS, Secretary,
DEPWD, MOSJE, GOI



Sri Rajesh Aggarwal, IAS, Secretary, DEPWD,
MOSJE, GOI interacting with patients in
Occupational Therapy



Sri Rajesh Aggarwal, IAS, Secretary, DEPWD,
MOSJE, GOI delivering motorized Tricycle to
Divyangjan



Sri Rajesh Aggarwal, IAS, Secretary, DEPWD,
MOSJE, GOI chairing the meeting with NILD,
RC and CRC officials



Sri Rajesh Aggarwal, IAS, Secretary, DEPWD, MOSJE,GOI inaugurating Cerebral Palsy Day with Divyangjan



Sri Rajesh Aggarwal, IAS, Secretary, DEPWD, MOSJE, GOI felicitating to Divyang child during CP Day celebration

Sri Samik Bhattacharya, Hon'ble Member of Parliament (Rajya Sabha), visited NILD, Kolkata, on 27th December 2024 and 3rd March, 2025. During his visit, he planted a tree under the drive "Ek Ped Maa Ke Naam" and reviewed the institute's activities. He appreciated the newly launched Pradhan Mantri Bhartiya Janaushadhi Kendra (pharmacy) and the advanced therapeutic facilities in the Physiotherapy Department.

Mr. Bhattacharya held discussions with NILD officials about the institute's services for Divyangjan and its overall development. Commending NILD's efforts for Persons with Disabilities (PwDs), he assured support by providing an ambulance from his MP fund and promised to address the UDID card registration issue by coordinating with the West Bengal government.



Sri Samik Bhattacharya, Hon'ble Member of Parliament (Rajya Sabha) Planting tree "Ek Ped Maa Ke Naam"



Sri Samik Bhattacharya, Hon'ble Member of Parliament (Rajya Sabha) chairing the meeting with NILD officials



Sri Samik Bhattacharya, Hon'ble Member of Parliament (Rajya Sabha) reviewing the activities of NILD during NILD visit



CHAPTER

1

REHABILITATION SERVICES

The comprehensive rehabilitation services were provided to the persons with locomotor disabilities through outpatient and inpatient departments of the institute. The patient attending OPD were from different part of the country, predominantly from eastern region, namely from the state of West Bengal, Bihar, North Eastern State and occasionally from neighbouring countries like Bangladesh, Nepal, Bhutan.

In OPD, detailed rehabilitation services were planned after a thorough individual's assessment by a team of professionals consisting of physiatrist/orthopaedic surgeon, physiotherapist, occupational therapist, prosthetics & orthoptist and other rehabilitation professionals from department of SER.

The facilities of indoor admission, diagnostics and reconstructive/rehabilitative surgery were also available in the institute mainly for visiting cerebral palsy, congenital limb deficiencies/deformities, amputees, spinal deformities, auto-immune disorders, spastics, neuromuscular disorder, degenerative conditions

leading to locomotor problems and post-polio residual paralysis patients etc. The surgical corrections were also performed through the major or minor surgeries.

Rehabilitation services provided through following departments and unit.

- Medical Rehabilitation
- Physiotherapy
- Occupational Therapy
- Prosthetics and Orthotics
- Socio-Economic Rehabilitation
- Rehabilitation Nursing
- Rehabilitation Engineering
- Department of visual impairment
- Cross Disability Early Intervention Centre (CDEIC)
- Outreach Unit





DEPARTMENT OF MEDICAL REHABILITATION





The medical rehabilitation services were started first with inception of Institute in 1978.

The Department of Medical Rehabilitation is committed to restoring function and improving the quality of life for individuals affected by injury, illness, or disability. The department works collaboratively across multiple disciplines, offering both inpatient and outpatient services for medical and surgical rehabilitation services.

The medical assessment, medical or surgical intervention, prescription of rehabilitation aids, and referrals are provided through regular Outdoor and Indoor of this institute. The patients/divyangjan are initially assessed in the Assessment Clinic (OPD), advised necessary investigations & treatment and referred to different other Departments of the institute as per requirement. The OPD is open six days a week from Monday to Saturday. The Institute has a fifty bedded indoor patient facility for Institute based rehabilitation of Divyangjan and

other patients. There are two major and one minor operation theatres catering to the needs of cases requiring surgical interventions and pain management. The common surgical procedures performed in cases of childhood disabilities are Cerebral Palsy, Clubfoot and other congenital deformities. Orthopaedic surgeries e.g. joint replacement and fracture management are also performed. Pain management is an important part of rehabilitation and are performed through Minimally Invasive Pain & Spine Interventions (MIPSI). The common procedures performed are Spinal Epidural Injections, Facet joint block, Vertebroplasty & kyphoplasty, Radio-frequency ablation, USG-guided joint injection & regenerative therapy with Platelet Rich Plasma (PRP)/ Growth factor Concentrate (GFC).

This report outlines the department's activities and achievements for the year 2024-25.

Out-patient (OPD) SERVICES.

Services In OPD	2022-23	2023-24	2024-25
New Patients	26217	26400	26395
Follow-Up Patients	19726	19140	17137
Total Patients	45943	42541	43532

Inpatient Rehabilitation (IPD) services.

Inpatient Rehabilitation Services, provide intensive and coordinated multidisciplinary care for patients who require close medical supervision and structured rehabilitation through fifty (50) beds functioning 24x7, whole year. Each patient receives a tailored rehabilitation plan created and monitored by the team.

Services in IPD	2022-23	2023-24	2024-25
No. of Patient	258	229	260

Reconstructive Surgical Cases

Major and Minor surgical procedures were performed to prevent/correct deformity or to achieve functional improvement and to facilitate fitment of suitable Orthosis or Prosthesis. These are also called reconstructive surgeries, particularly to rebuild lost physical form and function. This surgical procedure helps to improve mobility (walking, grasping, sitting) correct deformities, improve independence in daily activities, reduce pain or prevent further joint/muscle damage and facilitate better prosthetic or orthotic usage.

Type of surgeries	2022-23	2023-24	2024-25
Minor Surgeries	1502	1031	932
Major Surgeries	139	161	125

Diagnostic facilities

The facilities for pathological, radiological & electro-diagnostic investigations for the indoor & out patients were available. These facilities assist the modern healthcare by enabling accurate and timely diagnoses.

Types of services	2022-23	2023-24	2024-25
No. of X- ray exposures	10154	6487	7475
No. of Pathological test	30292	22029	20818
No. of Electro Diagnostic Test (EMG & NCV)	7669	7411	5939



Patient Assessment in OPD



Surgical Procedure



X-Ray Unit



DEPARTMENT OF PHYSIOTHERAPY



The primary function of the department is twofold - teaching & training of students of Undergraduate & Postgraduate program & providing physiotherapy services to outdoor & indoor patients. In addition, the department also involved in research work and rendering outreach services along with other team members of the institute as and when required.

SERVICES

The department is well equipped with state- of- the art equipment which includes Shockwave Therapy unit,

EMG Biofeedback, IR guided Cryo-flow unit, Microwave Diathermy, LASER unit, Micro-current unit (Advanced Electrical Stimulation), Balance trainer unit, Dynamic Stair Trainer unit, Body weight supported Treadmill unit along with other conventional equipments used in Physiotherapy. Services of the Department were extended through following sub-units:

- **Electrotherapy Unit**
- **Advanced Electrotherapy Unit**
- **Musculoskeletal Physiotherapy Unit**
- **Neurological Physiotherapy Unit**
- **Indoor Physiotherapy Unit**

Following table shows the number of patients to whom physiotherapeutic services were provided during this period :

No. of Cases Registered	2022-23	2023-24	2024-25
New Cases (OPD + Indoor PT)	15124	15306	16102
Follow ups Cases (OPD + Indoor PT)	22105	28980	28001
Total	37229	44286	44103
No. of Beneficiaries with UDID Cards	-	433	666

Electrotherapy Services



Application of EMG Biofeedback



Application of Shock Wave Therapy



Application of MWD



Application of Microcurrent



Application of LASER Therapy



Application of Electrical Stimulation

Detailed Physiotherapy services provided by sub-units during the year and preceding two years :

Sub Units	2022-23	2023-24	2024-25
Short wave Diathermy	1762	1470	1880
Pulsed Short wave Diathermy	196	746	458
Ultrasound Therapy	5857	6272	5740
N-M Stimulation	610	513	796
Traction	1119	1524	840
Infra Red	81	68	133



Sub Units	2022-23	2023-24	2024-25
Cryotherapy	62	88	100
LASER Therapy	251	271	334
Advanced Electrical Stimulation (IFT+TENS+MULTICURRENT)	5176	6073	6702
Balance Trainer / Wobble Board	975	1675	1541
Treadmill	105	262	290
Exercise/Manual Therapy	27528	31355	33745
Shoulder Wheel	794	1036	1100
Quadriceps Table	508	1153	1288
Standing Frame	357	911	2729
Wall Ladder	1152	2100	1791
Dynamic Stair Trainer	353	684	1049
UVR	16	--	10
Shock Wave Therapy	158	288	241
Static Cycle	300	377	1196
Gym Ball	1873	1755	3154
Moist Hot Packs	244	946	888
MWD	146	99	77
Tilt Table	101	--	76
Multi Gym	777	1141	1272
Shoulder Pulley	450	2179	1973
Wrist Exerciser	100	496	282
C.P.M	10	227	69
EMG Biofeedback	69	959	263
Resistance band	--	--	519
Pushup Bar	--	--	825
Total	51130	64668	71361

Exercise and Manual Therapy Services:



Multigym Exercises for SCI & other patients



Balance Exercise for Hemiplegic patient



Gait Training with Prosthesis



Physiological standing in Tilt Table



Gait Reeducation of SCI patient



DST Training of SCI Patient



Academic Activities:

Three long term academic programs namely “Masters in Physiotherapy-Orthopaedics (MPT-Ortho), Masters in Physiotherapy-Neurology (MPT-Neuro) & Bachelor in Physiotherapy (BPT)” of two and four & half years duration respectively are continued under the department. These

courses are affiliated to the West Bengal University of Health Sciences. The degree course (BPT) is of four years duration followed by compulsory internship of six months duration.

Details of admissions in BPT and MPT:

Course	Intake Capacity	2022-23	2023-24	2024-25
BPT	57	57	57	57
MPT-Ortho	07	07	06	Admission Pending due to Court Case
MPT-Neuro	03	03	03	Admission Pending due to Court Case

Other important Academic Activities:

- ❖ Clinical activities were performed in various sub units of the department under supervision of faculty/staff members.
- ❖ Post graduate students and Interns had participated in various offline / online teaching/training programs of the Institute.
- ❖ Ten Post graduate Dissertation work was conducted and submitted to the West Bengal University of Health Sciences (WBUHS), Kolkata under the guidance of faculty members of PT department :-

1.	Comparison between myofascial release of subscapularis along with shoulder mobilisation and shoulder mobilisation alone on pain, range of motion and function in adhesive capsulitis: a randomized controlled trial - Deepali Kumari, Sourov Saha.
2.	Comparative efficacy of myofascial release and muscle energy technique on pain, range of motion and function in mechanical neck pain: a randomized clinical trial - Khushaboo Sahu, Bibhuti Sarkar.
3.	Comparative study on efficacy of EMG biofeedback versus Russian current on pain, quadriceps strength and function in knee osteoarthritis: a randomized clinical trial - D. Hemlata, Bibhuti Sarkar.
4.	Comparative efficacy of open and closed kinetic chain exercises on pain, proprioception, muscle strength and function in knee osteoarthritis: a randomized clinical trial - Ritu Patwari, Bibhuti Sarkar.
5.	Comparative efficacy of myofascial release and Maitland mobilization on pain, range of motion and function in mechanical low back pain- a randomized clinical trial - Chandrasekhar Ananda, Pravin Kumar
6.	Comparison between pulsed shortwave diathermy along with shoulder mobilization and shoulder mobilization alone on pain, range of motion and function in adhesive capsulitis: a randomized controlled trial - Nuyi Tamuk, Sourov Saha.
7.	Comparison between the effect of phonophoresis and TENS on pain, range of motion and function in patients with knee osteoarthritis: a randomized clinical trial - Debasmita Samaddar, Pravin Kumar



8. Comparative efficacy of EMG biofeedback therapy and modified constraint induced movement therapy on hand functions in patients with hemiplegia: a randomized clinical trial - Ranu Mukherjee, Sourov Saha.

9. Comparative efficacy of EMG biofeedback therapy along with Bobath therapy and Bobath therapy alone on lower extremity functions, balance and gait in patients with stroke: a randomized clinical trial - Sanlap Kundu, Pravin Kumar.

10. Comparative study between neuro-developmental treatment and task-oriented training on gross motor function, balance, and functional mobility in children with spastic diplegic cerebral palsy: a randomized clinical trial - Bismay Sethy, Pravin Kumar.

❖ Nine Post graduate Dissertation work has started as per guidelines of the West Bengal University of Health Sciences, Kolkata under the guidance of faculty members of PT department:

1. Comparative Efficacy of Microcurrent and Diadynamic Current on Pain and Function in Patients with Knee Osteoarthritis: A Randomized Clinical Trial – Khushbu Khan, Pravin Kumar, Sarasij Bit.

2. Comparative efficacy of Radial Shockwave Therapy and Transcutaneous Electrical Nerve Stimulation on pain and function in Upper Trapezius Myofascial Pain Syndrome: A Randomized Clinical Trial – Mansi Pokhriyal, Sourov Saha, Sarasij Bit

3. Comparative Efficacy of Kinesio Taping and Sham Taping on Pain and Functional Mobility in Patients with Knee Osteoarthritis: A Randomized Controlled Trial – Aida Priyanka, Amrita Mukherjee, Bibhuti Sarkar

4. Efficacy of High Voltage Pulsed Galvanic Stimulation on pain, Grip strength and Function in subjects with chronic Lateral epicondylitis: A Randomized Controlled Trial - Jayashree Panda, Bibhuti Sarkar, Amrita Mukherjee.

5. Comparative Efficacy of Interferential Therapy and Microcurrent on Pain, Range of Motion and Function in Subjects with Chronic Non-Specific Low Back Pain: A Randomized Clinical Trial – Rohini Kusum Lakra, Bibhuti Sarkar, Preeti Chaudhary

6. Comparative Efficacy of Radial Shockwave Therapy and Ultrasound Therapy on Pain, Range of Motion and Function in Subjects with Adhesive Capsulitis: A Randomized Clinical Trail – Deepak Sharma, Amrita Mukherjee, Sourov Saha

7. Comparison Between Thoracic Mobilization and Neural Mobilization on Pain, Range of Motion and Function in Lumbar Radiculopathy: A Randomized Clinical Trial – Chanchal Sah, Patralika Nath, Pravin Kumar.

8. Comparative Efficacy Between Scapular Proprioceptive Neuromuscular Facilitation and Scapular Stabilization Exercises on Scapular Dyskinesia of Hemiplegic Shoulder: A Randomized Clinical Trial – Sourav Jana, Sourov Saha, Patralika Nath.

9. Comparison Between Efficacy of Laser Therapy and Radial Shock Wave Therapy on Pain, Grip Strength and Function in Patient with Carpal Tunnel Syndrome: A Randomized Clinical Trial– Yadul Saikh, Pravin Kumar, Preeti Chaudhary.

Activities in the Department of Physiotherapy by the Staff members :

Shri. Pravin Kumar, Assistant Professor & HOD, PT Dept., Shri Sourov Saha, Sr. PT cum Jr. Lecturer, Shri. Bibhuti Sarkar, Demonstrator (PT) along with 5 MPT 2nd year students attended the '**BLS Training Workshop**' on **19/7/2024** organized by the National Institute for Locomotor Disabilities (Divyangjan), Kolkata



Sh. Pravin Kumar was invited as speaker of sensitization program on "Disability & Rehabilitation" at NILD held on 18th September 2024.

- Mr. Pravin Kumar**, CVO (Part Time) and Assistant Professor (PT) attended on line Webinar on "Preventive Vigilance" organized by DEPwD, MSJ&E, Govt of India on the occasion of Vigilance Awareness Week on 29th October 2024.
- Mr. Pravin Kumar, CVO (Part Time) organized Pledge taking on the occasion of Vigilance Awareness Week on 28th Oct 2024.



On the occasion of World Physiotherapy Day, Department of Physiotherapy organized different events and awareness program at NILD, Kolkata from 05th to 9th September 2024. This year the theme was "Low Back Pain". Awareness program included video display at NILD, Kolkata and talk in old age home. Events included Street play on 5th September, 2024, Competitive events like reels, poster, quiz etc, and cultural program on 8th September, 2024. Program ended with the prize distribution to the students for different competitive events followed by cultural program. Around 450 people including staff, students and patients participated in the program.



A total of 13 students from **Dept. of Physiotherapy, NILD, Kolkata** (3 MPT and 10 BPT Interns along with faculty **Mr. Sourov Saha**, Sr. PT cum Jr. Lecturer, and **Ms. Preeti Chaudhary**, Physiotherapist participated in the **10th INCPT, AIIMS, New Delhi** (International Conference of Physiotherapy), held on 14th and 15th December 2024. All the students took part in various competitions like Paper presentation, Poster presentation, Quiz, Essay writing etc. Aida Priyanka, MPT, got 1st prize in Paper Presentation in junior category and Prasanjit Ghosh, Banani Dash, Yukta Nayak got 3rd prize in Quiz.

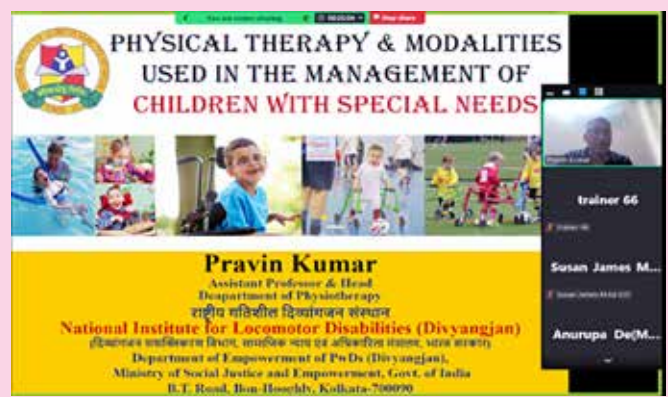
Ms. Preeti Chaudhary, Physiotherapist, Dept. of Physiotherapy, NILD, Kolkata, took a scientific session on the Topic, '**Role of Robotic Technology in inducing Neuroplasticity**' in 10th INCPT, AIIMS, 2024 on 14th December, 2024.





On **18th and 19th January 2025**, 02 Days hands-on workshop on **“Physiotherapy in Intensive Care Unit”** was organized by **Department of Physiotherapy** under AGP Scheme. A total number of 75 including Physiotherapy Professionals, Post Graduate students, Interns and faculties of Physiotherapy Department participated in the program. The resource person of the workshop, **Dr. Rajeev Aggarwal**, Senior Physiotherapist and In-charge of Neuro-Physiotherapy unit, A.I.I.M.S, New Delhi provided the lecture along with practical demonstration of various techniques used by physiotherapists in ICU setup.

Sh. Pravin Kumar, Assistant Professor (PT) was invited as Key Resource Person of online program for Special Educator organized by Netaji Subhas Open University, Salt Lake, Kolkata on **09th February 2025**.



Sh. Pravin Kumar, Assistant Professor (PT) was invited as resource person on the topic "Selection of Suitable Journal related to Rehabilitation of PwDs" in a Five days Faculty Development Program organized by NILD, Kolkata in association with RCI, New Delhi from 24th & 28th March 2025



Department of Physiotherapy, NILD, Kolkata organised a Two Days **‘Hands-on workshop on NDT/Bobath Approach’** on **22nd and 23rd March, 2025**. The Resource person for the workshop was **Mr. Prabhat Ranjan**, Physiotherapist, AIIMS, New Delhi. Total **83 participants**, including BPT & MPT students, professionals, and faculties attended the program. The objective of the workshop was to provide participants with a comprehensive understanding of the NDT/Bobath approach and its clinical application. The two days hands-on workshop training program was consisted of lectures, demonstrations, and practical sessions.





- ❖ All the staff members of the department were actively involved in coordinating and organizing different programs like **Vigilance awareness week, International Wheelchair Day, International Women’s Day, International Day for PwDs, Annual fest celebration, Saraswati puja & Vishwakarma puja celebration, Swachhata Pakhwada, Independence Day, Hindi Diwas, Constitution Day, CET-2024 promotional activity etc.** Staffs are also acted/ acting as various committee members of the institute like Cultural committee, Medical Tie-up committee, Fresher’s welcome & Farewell committee, Sports Committee, Canteen committee, Staff Recreation committee, Condemnation committee of Boy’s and Girl’s Hostel and PT Department, Boy’s and Girl’s Hostel Cleanliness committee, Security Committee and Screening committee for various recruitment.

RESEARCH PUBLICATIONS :

- Mandal S, Saha S. Correlation between Q angle and hip abductor muscle strength in patients with knee osteoarthritis. *Bulletin of Faculty of Physical Therapy* 2024; 29:63 (2024).
- Dostider SG, Saha S. A pilot study on effectiveness of Kinesio taping on foot pain at its worst and at morning in plantar fasciitis patients. *International Journal of Multidisciplinary Trends* 2024;6(12):41-43.
- Mondal R, Saha S. Effectiveness of Hydrotherapy in Lumbar Radiculopathy: A Literature Review. *International Journal of Research and Analytical Reviews* 2025;12(2):790-806.
- Nath P, Kumar P, Mukherjee R. Kinesio tape in Secondary Lymphedema-Fact or Myth? A Case Study. *Biomed J Sci & Tech Res* 58(5)-2024. BJSTR. MS.ID.009217. DOI-10.26717/BJSTR.2024.58.009217
- Nath P, Roy B, Panigrahi SS, Islam K, Basak AK. Recent Trends in Physical Therapy Interventions and Neuromodulation Techniques to Improve Neurorehabilitation. *CNS Neurol Disord Drug Targets*.2025 Feb 11.doi: 10.2174/011871527334188 2250114054733.
- Roy B, Sur M, Nath P, Deb Roy S and Singha P. Exploring the role of psychological factors in vestibular rehabilitation: Navigating equilibrium for enhanced outcomes: A narrative review. *Int. J. Orthop. Physiother.* 2024;6(1):25-29. DOI: 10.33545/26648989.2024.v6.i1a.22
- Roy B, Nath P, Sur M. Advances and considerations in Epley’s maneuver: An updated review for managing benign paroxysmal positional vertigo. *Int. J. Res. Med. Sci.* 2024;6(1):27-33. DOI: 10.33545/26648733.2024.v6.i1a.54
- Roy B, Sur M and Nath P, Cawthorne Cooksey exercise and its clinical implications: An updated narrative review. *Int. J. Otolaryngology Res.* 2024;6(1):10-17. DOI: 10.33545/26646455.2024.v6.i1a.36
- Roy B, Sur M, Nath P, Deb Roy S, Singha P and Bhattacharjee K. Neuroplasticity and its implications for vestibular rehabilitation: A narrative review. *Int. J. Orthop. Physiother.* 2024;6(1):05-10. DOI: 10.33545/26648989.2024.v6.i1a.18
- Patel L, Subramanian SS, Cherian SB, Oraon AK, Behera MK. Effect of 4 weeks core stabilization exercise on muscle activity, range of motion and function in Lumbar Spondylosis. *Fizjoterapia Polska*, 2024 Nov1(5).

Other Activities of Students :



Three Students of MPT (Neurology) attended a one day orientation program on ‘Neurobiology of Autism’ organized by ‘Ali Yavar Jung National Institute of Speech and Hearing Disabilities’ on 24th Feb, 2025.



Students of Physiotherapy (BPT/MPT) have participated in Physio Cricket League (PCL-2025) at Howrah on 22 & 23rd February, 2025 organized by Indian Association of Physiotherapists (IAP), West Bengal Branch. Total twelve teams from various Physiotherapy colleges of West Bengal and professionals have participated in this tournament.



DEPARTMENT OF OCCUPATIONAL THERAPY





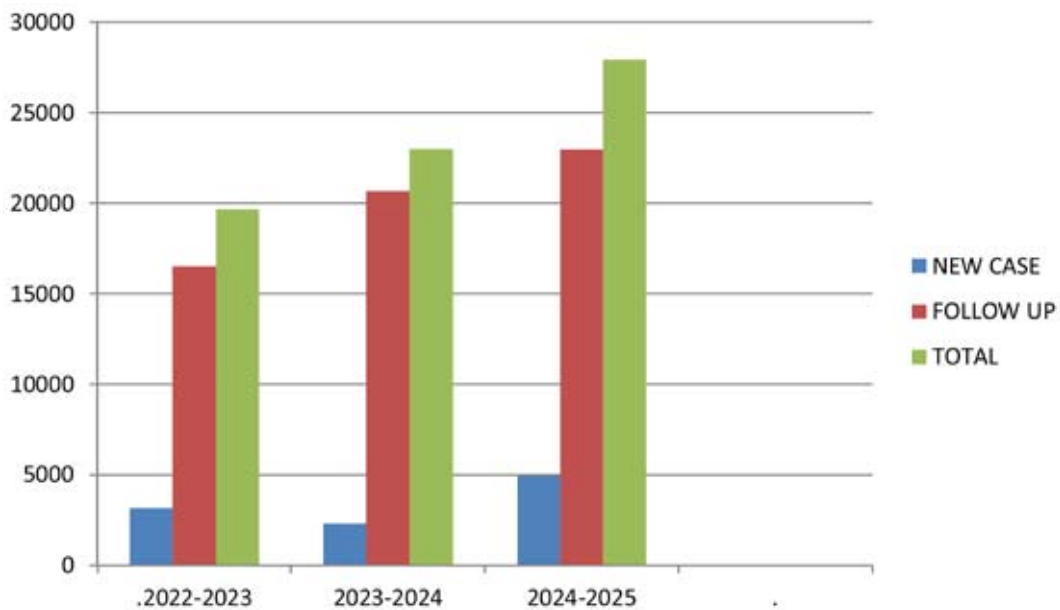
The Department of Occupational Therapy plays a multifaceted role, focusing primarily on teaching, research, and providing occupational therapy services to individuals attending the outpatient department (OPD), inpatient department (IPD), and outreach camps, with a special emphasis on Persons with Disabilities (PWDs). The department's scope encompasses therapeutic interventions provided through indoor, outdoor, and outreach services. Additionally, the department is dedicated to imparting teaching and training to its own

students, as well as those undergoing training in other departments. Research initiatives also contribute to the department's endeavors.

Overall, the Department of Occupational Therapy actively contributes to the well-being and development of its patients, prepares students for their professional journey, engages in research to advance the field, and collaborates across various areas of expertise to fulfill its comprehensive mission.

No. of Cases registered in Dept of O.T.

	2022- 2023	2023-2024	2024-2025
New cases	3166	2318	4967
Follow up cases	16532	20674	22957
Total	19698	22992	27924



To improve the functional performance of PwDs in their activities of daily living (ADL), an individualized & customized approach for assessment & Occupational Therapy was used. With the modern gadgets in the department, services were also used in work assessment, modification in work station to improve efficiency and to reduce loss of man-days in the industrial set-up. Designing and development of adaptive & assistive devices were other important areas of occupational therapy department.

Apart from the services to the disabled patient, human resource development through long and short term training programs refresher courses for therapist and research programs were also conducted.

Activities of the Department were extended through following sub-units.

- General Occupational Therapy Unit
- Paediatric Occupational Therapy Unit
- Sensory Integration Therapy Unit
- ADL training Unit

- Splint and Adaptive devices
- Hand therapy unit
- Psychiatric Unit
- Geriatric Unit
- EMG Bio-feedback Unit
- Indoor OT services
- Hand Evaluation
- Whole Body Vibrator
- BTE



Whole Body Vibrator



Work Simulator - BTE



EMG Biofeedback Training



Sensory Integration Unit



General OT department-Fret saw Cycling



ADL Training – Feeding Simulation

Unit wise OT services	YEAR		
	2022-2023	2023-2024	2024-2025
Activity Therapy (General and Hand)	9452	15,362	14,965
Pediatric Occupational Therapy (NDT & SI)	6193	6144	6,553
Training in Activities of daily living	3552	5136	6,615
Hand Splints/Assistive Devices	124	102	52
Specialized Hand Training	33	39	67



Unit wise OT services	YEAR		
	2022-2023	2023-2024	2024-2025
Manual W/C skill training	307	90	489
Group Therapy	250	68	371
Recreational Therapy	218	68	75
Bedside Therapy for indoor(RSU, Cabins & SCI wards)	3819	2662	276
Biofeedback Training	67	373	769
Sensory Integration Therapy	4368	6512	8755
Whole Body Vibration Training	51	20	53
Hand Functioning Training	479	368	638
Baltimore Therapeutic Equipment	1231	2133	1880
Geriatric Unit	762	799	918
Psychiatric unit	202	733	1850
TOTAL	31111	40609	44,326

Academic Activities : The department offers two long-term academic programs: the "Masters of Occupational Therapy in Orthopedics' (MOT-Ortho)" and the "Bachelor in Occupational Therapy (BOT)." The MOT-Ortho program spans two years, while the BOT program is four and a half years in duration. Both courses are affiliated with the West Bengal University of Health Sciences.

The BOT program consists of four years of coursework followed by a compulsory six-month internship. In the previous academic session, the department admitted 47 students in the first year of the Bachelor of Occupational

Therapy (BOT) program, which included students from the northeastern region. Admissions for the Masters of Occupational Therapy (MOT) program with specialization in Orthopedics' (MOT-Ortho) are currently underway.

These academic programs reflect the department's commitment to providing high-quality education and training in the field of occupational therapy, contributing to the development of skilled professionals who can make a positive impact on the well-being of individuals in need of occupational therapy services.

Details of admissions in BOT & MOT :

Course	Intake capacity			Number of admission		
	2022	2023	2024	2022	2023	2024
BOT	56	56	56	56	54	56
MOT	07	07	07	07	07	-----

Other Important Academic Activities :

- Clinical and academic activities were performed in various sub units of the department under supervision of faculty/Staff members.
- Post graduate students and Interns had participated in various short-term training programs of the Institute.
- BOT Interns were posted to NIEPID, AYJNISHD (D)(RC)

Kolkata, CRC Patna, Tripura and Sikkim, SVNIRTAR Cuttack as a part of rotational Internship posting.

Research Work Completed by MOT students during the year (2023-2025) :

1. Effect of Emg-biofeedback training on hand function and activities of daily living in subjects with stroke. Author-Debolina Sarkar, Mrs. Eva Snehlata Kujur, Mrs. Damayanti Sethy.

2. Effects of isokinetic movement patterns using work simulator on pain and range of motion of shoulder in patients with adhesive capsulitis. Author-Smruati Suhagini Lenka, Mrs. Rupali Sen(Biswas), Mrs. Shreya Biswas.
3. A comparative study on effects of constraint induced movement therapy and electromyographic biofeedback training on hand function and activities of daily living in hemiplegic cerebral palsy. Author – Debikrishna Pal, Mr. Jeetendra Mohapatra Mrs. Damayanti Sethy.
4. Effect of cryotherapy on pain, grip strength, and hand functions in patient having lateral epicondylitis. Author-Vaishnavi Dr. Rupali Sen (Biswas), Mrs. Shreya Biswas.
5. Efficacy of vibration therapy with and without therapygloveson hand pain, joint Stiffness and grip strength in patients with chronic rheumatoid arthritis. Author-NitinPradhan, Mr.Jeetendra Mohapatra, Mrs. Damayanti Sethy.
6. Effect of dual task training on balance and ADL in patients with stroke. Author - Subhashree parida, Mrs. Eva Snehlata Kujur, Mrs. Shreya Biswas.
7. Effect of emg biofeedback along with cycling training on lower extremity motor function mobility and quality of life in subject with stroke. Author-Priyabrat Lenka, Mr. Jeetendra Mohapatra, Mrs. Damayanti Sethy.



Research Work Submitted by MOT students to WBUHS (Batch 2022-24)

ONGOING RESEARCH WORK :

1. Effects of progressive muscular relaxation combined with back school program on pain, stress and functional disability among healthcare Students with chronic non-specific low back pain.
2. Effect of graded motor imagery in post-stroke complex regional pain syndrome.
3. Efficacy of isokinetic training using work simulator on fall prevention, balance and quality of life in patients with knee osteoarthritis.
4. Effect of electromyography biofeedback on motor function of quadriceps femoris and improving Adl in person with incomplete spinal cord injury.
5. Effect of work simulator (BTE) on functional disability and walking ability in persons with chronic non specific low back pain.
6. Effect of continuous passive motion of ankle on lower extremity motor function, balance and walking ability in hemiplegic stroke



Ongoing Research Work by MOT students (Batch 2023-25)

ACTIVITIES BY STAFF MEMBERS OF DEPARTMENT OF OCCUPATIONAL THERAPY

Mr. Jeetendra Mohapatra, Lecturer (OT) conducted a Thermoplastic Splinting workshop on 07/02/25 and

conducted a delegation of Georgia State University USA, including 19 doctoral students and two faculties from the College of Occupational Therapy visited NILD, Kolkata on 17th and 18th March 2025.



Interactive lecture session by speaker Dr. Sovan Saha



Interactive session among students



Visit of Faculties and Student of Georgia State University, USA



Interactive session among students

Mrs Damayanti Sethy, Occupational Therapist convener : Freshers welcome 2024 on 18.12.2024.



Freshers Batch



Attended Divya Kala Divya Mela from 16.08.24 to 22.08.24



Attended NGO visit at Karim our, West Bengal on 24.08.2024

Research Publications :

1. Mohapatra Jeetendra, Dwivedi Amitabh: Application of the ICF on students with Disabilities at school in India. IJFMR. March-April 2024. Volume 6(2).
2. Sethy Damayanti, Sahoo S, Sahoo S.K, Mohakud K. Effect of Movement-Based Priming combined with Task-specific Training on upper limb recovery in patients after stroke. J. of Associated Med.Sci, 2024, Vol.57 (1)77-86. DOI:10.12982/JAMS. 2024.00 (SCOPUS INDEXED).
3. Sethy Damayanti, Sahoo S, Sahoo S.K, Sahu A K. Effectiveness of task-specific training combined with strength training on upper limb recovery, activities and participation after stroke: A Systematic Literature review. International Research Journal of Multidisciplinary scope. 5(3):1058-1074. DOI: 10.47857/irjms.2024.v05i03.0896. (SCOPUS INDEXED).
4. Biswas Sreya: Effect of Neurofunctional Approach on Instrumental Activities of Daily Living in stroke survivors; IJFMR. July-August 2024. Vol 6(4).



DEPARTMENT OF PROSTHETICS AND ORTHOTICS





Department of Prosthetics and Orthotics is a special branch in physical rehabilitation providing various services related to Prosthetics and Orthotics and assistive technologies to the PwD (Divyangjan). It mainly involves human resource development providing long-term and short-term courses along with direct services to people with disabilities by providing customized aids and appliances and other assistive devices through both Institutional based services and outreach services under ADIP Scheme, DEPwD, MSJE, Govt. of India. Direct services include detail physical assessment, fitment of customized prosthetic and orthotic devices through indoor and outdoor patient's services and their follow-ups.

Following are the detail of services in the annual year 2022-23 including the direct patient services of various Prosthesis/Orthosis/Mobility Aids along with their maintenance and Academic-Training services which

includes undergraduate and post graduate programs and other short term programs.

1. Direct service activity:

Department is equipped for direct patient care and services which includes various infrastructures from measurement for a new device to its final delivery. There are various advanced machineries such as Grinding router and Dust Collectors, Infrared Hot Air Thermoplastic oven, low temperature thermoplastic Hot water pan, imported Router cum dust collector, grinding machine with dust collector, adjustable drilling machine, shearing belt grinder, Air Compressor machine and various sets of hand tools for individual use by students. The machines and tools are being maintained under various contract services for time-to-time repair/part replacement of any P & O aids & appliances which needed to be repair.

a. Direct patient care services:

No of cases registered	2022-2023	2023-2024	2024-2025
New cases	3327	3137	4243
Follow up cases	2862	2437	2820
Total cases	6189	5560	7063

b. Service during year

Appliances wise P&O Services	2024-2025
Lower extremity Orthosis	2151
Lower extremity Prosthesis	188
Upper extremity Orthosis	253
Upper extremity Prosthesis	44
Spinal Orthosis	294
Surgical shoe	1233
Total number of P&O Appliances delivered	3939
Mobility aids	79
Repairing of appliances	209
Total P&O services availed by Beneficiaries	4218
Total number of detail assessment at MPO section	533

c. Beneficiaries during year

Delivery of appliances	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Under ADIP	247	474	671	1281	1100
Under payment	629	1256	1671	2877	3118
Total	876	1730	2342	4158	4218

d. Some patient fitment related picture showing direct patient services through departmental, with subtitle for each pic:





2. Academic-Training services :

The department is running bachelor and master's degree program in Prosthetics and Orthotics recognized by Rehabilitation Council of India (RCI) and affiliated to West Bengal Health University (WBUHS), apart from short courses/CREs from various faculties for the human-resource development in the field. The students are specially trained in the skill of creating and improving various Prosthetic and Orthotic devices for PwD under the supervision of trained Professionals Prosthetist and Orthotist registered under RCI. All the theory classes are conducted in new Academic Building which is well equipped with ICT tools and equipment, while skill training is being given in the old building under departmental supervision.

a. Long term courses:

i. Bachelor's degree course in Prosthetics &

Orthotics (BPO) is a 4 ½ years degree program with intake capacity of 25* in session 2022-23 and is likely to increase to 50 from the session 2023-24. The BPO course is appropriate amalgamation of medical, engineering and social sciences, keeping in with the current need the Professional field. Each student required to submit a project with model in their 4th year related to innovative idea in order to improve PwD services.

- ii. The Master's degree in Prosthetics & Orthotics (MPO) is a two year post graduate degree program with intake capacity of eight candidates per year. Each of the Master degree student required to submit thesis in their area of interest such as in healthcare/technology related to PwD services.

Course	Intake capacity during (Session 2024-25)	Total admission			Passed out students		
		2022-23	2023-24	2024-25	2022-23	2023-24	2024-25
BPO	47	20	43	42	26	27	22
MPO	07	07	04	00	00	06	00

- ❖ Following are the detailed list of MPO student (with detail of batch, their thesis topic and their Guide/Co-guide) who have successfully submitted their thesis to WBUHS university for fulfilment of their degree during year 2024-25

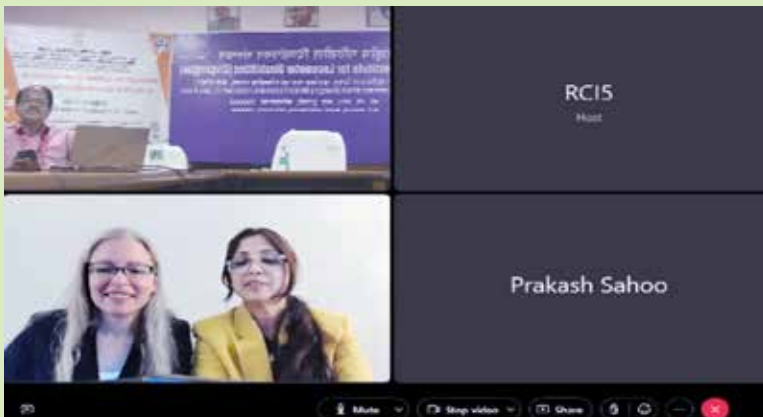
SI No.	Student Name	Topic	Guide	Co-Guide
1.	Papri Ghosh (MPO 2022-24)	Impact of duration of using thumb spica on pain, muscle activation profile of apl and pinch strength in subject with de-quervain's tenosynovitis	Mr. Aratran Patra	Ms. Saiprabh Mishra
2.	Lily Biswas (MPO 2022-24)	The effect of system tilt and seat to back-rest angle on wheelchair propulsion and energy expenditure in spinal Cord Injury subject using manual wheelchair	Dr. P. K. Lenka	Mr. Abhishek Tripathi
3.	Debobrata (MPO 2022-24)	Comparison between lumbo-sacral corset and modified postural garment on postural steadiness and quality of life in subject with non-specific chronic low back pain	Mr. Aratran Patra	Mr. Arif Hasan Raihan
4.	Ms Sucharita Mohanty (MPO 2022-24)	Comparison between sleeve suspension and cuff suspension on energy expenditure and tempo-spatial gait parameters in subject with unilateral transtibial amputee using endoskeleton transtibial prosthesis	Mr. Aratran Patra	Mr. Prakash Sahoo
5.	Ritu Pragya (MPO 2022-24)	Impact of SVA tuning on GRF and activation profile of tibialis anterior in subject with post-stroke hemiplegia using solid ankle foot orthosis	Dr. P. K. Lenka	Mr. Dhruvi S Das
6.	Somsubhra SAMADDAR (MPO 2022-24)	Effect of static and dynamic splinting on hallux valgus angle, postural sway and FAAM index on subject with hallux-valgus – a comparative study	Dr. P. K. Lenka	Ms. Poly Ghosh

- ❖ Student pursuing MPO are required to submit Research-thesis on various clinical based experimental research to WBUHS, Kolkata for obtaining their degrees. Following are the detailed list of MPO thesis-topics, MPO student's name/batch and their Guide/Co-guide who have successfully submitted their synopsis during year 2024-25:

SI No.	Topic of thesis	Student author	Guide & Co-guide
1.	Comparative study between SACH foot and single axis foot on balance and temporospatial gait parameters in subject with unilateral transtibial amputee using endoskeletal transtibial prosthesis	Sayan Bera	<ul style="list-style-type: none"> • Dr. Prasanna Kumar Lenka • Prakash Sahoo
2.	Comparative study between anterior opening and posterior opening moulded tlo on curve correction, quality of life and postural sway in subjects with adolescent idiopathic scoliosis.	Pratyay Dey	<ul style="list-style-type: none"> • Mr. Aratatan Patra • Mr. Hasan Md. Arif Raihan
3.	Comparision on effectiveness of silicone heel pad and excavated heel for calcaneal spur	Drishiti Jawanpuria	<ul style="list-style-type: none"> • Dr. Prasanna Kumar Lenka • Dr Ameer Equebal
4.	Effects of knee brace and lateral wedge insole on postural sway and planter pressure distribution in medial compartment knee osteoarthritis : a comparative study	Pankaj Kumar	<ul style="list-style-type: none"> • Mr. Aratatan Patra • Ms. Poly Ghosh

Short term courses/CRE programs : Seven CRE /webinars/seminars took place during the financial year 2024-25

1. One day training programme on “**3D Printed socket technology**” on 1st September, 2024.



2. CRE Webinar on “**Latest Intervention of Autism Spectrum Disorder**” on 19th October 2024 with two International Speakers with 184 participants, organized via online mode by Dept. of Prosthetics and Orthotics, NILD, Kolkata.

3. Webinar on **“Role of dwarfism in media and culture”** held on 25 th October 2024 on the occasion of International Dwarfism Awareness Day-2024 by Dept. of Prosthetics and Orthotics, NILD, Kolkata.
4. Seminar on **“ Enhancing Quality of Life for Persons with Disabilities through Prosthesis, Orthosis and Assistive Devices”** on 5th November 2024 on International Prosthetics and Orthotics Day-2025

with 108 participants by Dept. of Prosthetics and Orthotics, NILD, Kolkata.

5. Two days RCI Accredited National level CRE on **“Advancement in Socket Technology for Trans-femoral Prosthesis”** on 21st and 22nd November 2024 with 43 participants organised by Dept. of Prosthetics and Orthotics, NILD, Kolkata.



6. Two days RCI Accredited CRE on **“Direct Socket System for Trans-Tibial Prosthesis”** on 9-10 January

2025 with 101 participants organised by Dept. of Prosthetics and Orthotics, NILD, Kolkata.



7. Seminar on **“Innovations in Wheelchair Technology with Sports and Recreation for Wheelchair Users”** on

1st March 2025 with 190 participants organised by Dept. of Prosthetics and Orthotics, NILD, Kolkata.

b. Departmental achievements & activities:

1. Mr. Aratratran Patra, Mr. Dhruvi Sundar Das, Mr. Prakash Sahoo, Ms. Poly Ghosh Attended 2 days' Workshop on

Assistive Technology and Modernization of ALIMCO Production Process at ALIMCO Kanpur on 21-22 May 2024.



2. Dr. Prasanna Kumar Lenka, Mr. Aratratran Patra, Ms. Sai Prabha Mishra, Mr. Dhruvi Sundar Das, Ms. Poly Ghosh, Mr. Prakash Sahoo, Mr. Tanmay Pany, Mr. Milan kumar Samanta, Mr Samir Samanta, Mr. Abhishek Tripathi, Mr. Amarnath Prasad attended

Six days training Program at Bhagawan Mohavir Sahayata Samiti, Jaipur with an aim to enhance the skills and knowledge in the fabrication, fitting, and delivery of Prosthesis with Jaipur technology which is a low-cost and indigenous technology.



3. Mr. Aratratran Patra, Ms. Sai Prabha Mishra, Ms. Poly Ghosh, Mr. Tanmay Pany Participated in National Conference of Orthotics and Prosthetics Association of India held on 1-2 February 2025 at AMTZ, Visakhapatnam.



4. Mr. Aratratran Patra presented a paper on the Prosthetics and Orthotics Professionals: the cornerstone of Comprehensive Rehabilitation in National Conference of Orthotics and Prosthetics Association of India held on 1-2 February 2025 at AMTZ, Visakhapatnam.

5. NILD, Kolkata participated in Divya Kala Mela organized by National Handicapped Finance and Development Corporation at BTI ground, Shanker Nagar, Raipur, Chhattisgarh from 16th to 22nd March, August. put up an information stall regarding the schemes and programmes of NILD. NILD stall showcased a range of assistive devices, posters, banners, and awareness materials highlighting NILD's activities and the Ministry's scheme.



6. Mr. Prakash Sahoo, Dept. of P & O Attended ISPO stroke training from 17-20 Sept 2024 organized by ICRC in collaboration with the Institute of Rehabilitation Sciences, ISIC, Vasant Kunj New Delhi.



7. Mr. Amarnath Prasad (Clinical Tutor), presented a paper titled Comparative study Between Foot Abduction Splint (Boot and Bar Type) and Dynamic Torsion KAFO in subjects with Idiopathic CTEV in Physiology and Medical Sciences including Forensic Sciences Discipline of the 7 th Regional Science and Technology Congress 2024-25



DEPARTMENT OF SOCIO-ECONOMIC REHABILITATION



Inclusion of PwDs into the mainstream of society is a challenge and an important aspect in the process of total rehabilitation for the people with disability. The Department is providing socio-economic rehabilitation services through indoor and outreach services with its manpower of Lecture-SER, Extension Service Officer, Social Worker, Vocational Instructor, Clinical Psychologist, Special Educator, CBID Core Faculty and Guest Faculties and also providing teaching, training through Long Term & Short-Term Training program.

The Department has following unit :

1. Social Work
2. Skill Development Training/Vocational Guidance and Placement

3. Clinical Psychology Assessment and Intervention services
4. Special Education and Intervention services
5. UDID & NIRAMAYA Enrolment and facilitation counter
6. HRD & Other Academic Activities.

Services / Activities of the year :

No. of Cases Registered	2024-25
New Cases	1429
Follow ups Cases	950
Total	2379

Sl. No.	Services	2022-23	2023-24	2024-25
1	Social Assessment & Facilitation Service	2040	2063	2359
2	Skill Development Training/Vocational Guidance and Placement			
	i Vocational Counseling & Guidance	397	447	451
	ii Skill Development Training	-	-	19
	iii Job Placement for PwDs	13	08	05
3	Clinical Psychology Assessment and Intervention services	947	1459	1420
4	Special Education and Intervention services	405	70	528
5	i UDID Enrolment	594	1168	865
	ii NIRAMAYA Enrolment	-	-	78

1. SOCIAL WORK :

Social work services assist people with disability to identify, resolve or minimize problems arising out of disequilibrium between themselves and their environment. It helps people to prevent and resolve

their social problems, to restore and enhance social functioning to attain satisfying personal, group and community relationship.

Type of services provided by the SW Unit during the years :

Services	2024-25
Social Assessment & Facilitation Service	2359
Information Regarding Facilities (UDID, Niramaya, Sugamya Bharat App.& Scholarship etc)	1323
Issued Railway Concession	227
Referral Activities	227
Counselling Program for Care Givers (Geriatric Cases Social Assessment)	141
Bedside Counselling (Indoor Cases Social Assessment)	119
Disability Certificates & UDID Cards/ Enrolments Verified	884



Social Assessments & Parental Guidance to PwDs



2. SKILL DEVELOPMENT TRAINING/VOCATIONAL GUIDANCE AND PLACEMENT :

2. (i) Vocational counselling and guidance

Vocational rehabilitation programme provides special services that help eligible persons with locomotor disability to establish themselves in the mainstream of the

society counseling & guidance helps them to understand and become aware of different areas like vocational education, vocational training, self-employment and other available facilities & benefits available for them.

Type of services provided by the Unit during the years :

Services	2024-25
Vocational Counselling & Services	451
Skill Development Training Registration on PM DAKSH Portal	17
Issued Placement Registration Card	02
Job Placement	05

2. (ii) Skill Development Training Programme :

National Institute for Locomotor Disabilities (Divyangjan), Kolkata initiated to conduct Skill Development Training Programme for Person with Disabilities (PwDs) under National Action Plan under SIPDA Scheme through PM

DAKSH portal of DEPwD. The Department has successfully completed two separate 70-hour employability skills training batches for Persons with Disabilities (PwDs): one for the LD category and another for the VI category. The total batch details are given below :

Batch ID	Sector	Job Role	Category of Disability	Enrolled	Course Duration	Assessment Date	Status	Pass Out	Placement
BATCH 0295	Persons with Disability	Employability Skills for Persons with Disabilities (70 hours)	LD	10	12.08.2024 - 21.10.2024	10.01.2025	Approve First Instalment By NDFDC	10	02 Job placement and 03 Higher Education
BATCH 0402	Persons with Disability	Employability Skills for Persons with Disabilities (70 hours)	VI	09	18.12.2024 - 14.02.2025	Waited for assessment date	Status showing Pending with NDFDC for First Instalment Approval	NA	NA



Employability Skills for Persons with Disabilities (70 hours) trainee received offer letter from Shri Rajesh Aggarwal, Secretary of DEPwD, MSJ & E, Govt. of India



2. (iii) Job placement & Job Fair for PwDs :

Details of Job Fair for PwDs (Divyangjan) organized by NILD, Kolkata in 2024-2025 is given below :

Sl. No.	Date	Total number of Participants	Selected	Shortlisted for 2nd round Interview	No. of Companies were present	Collaboration with	Placement
1	19/09/2024	460	56	146	13	Samarthanam Trust	05
2	21/03/2025	63	0	06	04	American India Foundation	Awaited for result

Mega Job fair for Divyangjan

NILD, Kolkata organised a Mega Job fair for Divyangjan organized on 19th September, 2024 in collaboration with Samarthanam Trust. Program inauguration by Chief Guest Mrs. Nilanjana Dasgupta, IAS, State Commissioner for Persons with Disabilities, West Bengal. Around 460 Persons with Disabilities (Divyangjan) appeared in interview for the job in 15 different companies for 1675 vacancies and 50 Divyangjan selected for suitable job in various reputed companies.



Inauguration Program



Interview Process

Divyangjan Rozgar Mela

NILD Kolkata conducted the Divyangjan Rozgar Mela in collaboration with the American India Foundation

on March 21, 2025. The event was inaugurated by Dr. Vinod Aggarwal, former Secretary, Department of Empowerment of PwDs, Ministry of Social Justice and Empowerment, GOI. Dr. Lalit Narayan, Director, NILD, Kolkata, Sri Sougato Banerjee, Dy. Director (Admin.), Dr. Ameer Equebal, Asstt. Director (Training) was also present during inaugural session of the program. This event provided a platform for around 70 Divyangjan individuals with various disabilities, including locomotor disability, speech and hearing impairment, mild intellectual disability, and low vision, to connect with potential employers. Four companies participated in the placement drive, including Atypical Advantage, VGM Consultants, Niftel, and Youth for Jobs Foundation. As a result, around 10 to 12 PwDs were shortlisted for further interviews at the company headquarters.

Other information :

- Ms. M Sriyalaxmi, Special Educator Participated in 5 Days Training of Trainers on 70 hours Employability Skills for Persons with Disabilities organized by DEPwD, MSJ&E, Govt. of India at NIEPID, Secunderabad, Telangana.



3. CLINICAL PSYCHOLOGY ASSESSMENT AND INTERVENTION SERVICES :

A clinical psychologist plays a crucial role in enhancing the quality of life for persons with disabilities and children

with special needs. They are responsible for conducting comprehensive psychological assessments, diagnosing mental health concerns related to disabilities, developing individualized treatment plans, and providing therapy tailored to each client's specific needs. Additionally, they educate families and caregivers and collaborate with other professionals on a multidisciplinary team to ensure holistic care.

The range of psychological services provided includes :

Therapy and Counselling	2024-2025
Parental Counselling	866
Psycho education	483
Individual counselling	487
Family Therapy	342
Child Counselling	353
Attention & Concentration Improvement Training	507
Cognitive Behavioural Therapy	216
Social Skill Training	276
Mindfulness Therapy	117
Anger Management Training	11
Behaviour Modification Training	37
Student Counselling	07
Indoor Counselling	37
Assessment	
IQ and other testing	139



Psychological Assessment and Counselling to Parent of Children with Disabilities

4. SPECIAL EDUCATION AND INTERVENTION SERVICES :

Children with Special Needs are assessed for current level of functioning in various skill areas such as self - help skills, gross and fine motor skills, functional reading and writing skills, time, money and related cognitive skills.

Parents are involved throughout the process of Special Education services. Various teaching learning materials and adaptive materials appropriate to Indian context are utilized during the training.

Type of services provided by the Special Education Unit during the year :

Services	2024-25
Parental Guidance and counselling on Special Education	463
Special Education assessment is done to the patients who are coming to OPD of SER Department	386
Special Education Class (Training to special needs with using appropriate Teaching Learning Materials)	124
Parental Guidance over telephone and send worksheet	41



Special Education class, Assessment and Guidance to Parents of Children with Disabilities

5. UDID AND NIRAMAYA ENROLMENT AND FACILITATION SERVICES :

5. (i) UDID Enrolment of PwDs (2024-25) at Facilitation Counter in NILD, Kolkata

Gender		Total
Male	Female	865
610	255	



5 (ii) Niramaya Health Insurance registration of PwDs (Cerebral Palsy, Autism Spectrum Disorder, Multiple Disability) (2024-25) at Facilitation Counter in NILD, Kolkata

Gender		Total
Male	Female	
53	25	78
39 no of Niramaya Renewal done in March, 2025		



6. HUMAN RESOURCE DEVELOPMENT

6. (i) LONG TERM TRAINING PROGRAM :

A : Post Graduate Diploma in Disability Rehabilitation Management (PGDDRM) course is for 1-year regular (face to face), full time programme. Developed by Rehabilitation Council of India, Department of Empowerment of PwDs (Divyangjan), Ministry of Social Justice & Empowerment, affiliated to West Bengal University of Health Sciences, Kolkata.

Enrolled Student	Passed
07	07



Visit of PGDDRM students at Asha Bhavan Centre



PGDDRM students visited Paripurnata, Half way Home

B : Community Based Inclusive Development (CBID) course is 6-month, full time programme, Jointly Developed by Rehabilitation Council of India, Department of Empowerment of PwDs (Divyangjan), Ministry of Social Justice & Empowerment, Govt. of India and University of Melbourne, Australia.

Batch No.	Enrolled Student	Appeared in exam	Passed
3rd	16	10	10
4th	29	Course will commence from 1st April 2025	

Activities of CBID Course :



CBID Students visited at National Career Service Centre, Kolkata

6. (ii) SHORT TERM TRAINING PROGRAM :

The department has organized following STT in the year

SI No	Name of the program	Date	Place	Objective	No of Participants	Type of participants
(a)	Sensitization program on understanding Disabilities and Rehabilitation	18/09/2024	Auditorium, NILD, Kolkata	To create awareness about disability and rehabilitation	50	NCC and NSS Volunteers, Officials Staff and Students of NILD
(b)	One day Basic Training Program on Disability Rehabilitation for the volunteers of SAKSHAM Dakshin Benga	30/03/2025	New Academic Block, NILD, Kolkata	To create awareness regarding disability and rehabilitation for the volunteers of SAKSHAM Dakshin Benga	55	Gross Root Level Workers, Divyangjan and professionals of SAKSHAM Dakshin Benga



Sensitization program on understanding Disabilities and Rehabilitation



One day Basic Training Program on Disability Rehabilitation for the volunteers of SAKSHAM Dakshin Benga

6. (iii) CRE PROGRAMME :

SI No	Date	Place / Venue	Funded by	Targeted Participants	Nature of CRE's	Participants
(a)	17/02/2025 to 21/02/2025	Patna, Bihar	NCERT, New Delhi	RCI-registered Rehabilitation professionals	5-Days offline Residential Faculty Development Program	48
(b)	25/02/2025 to 01/03/2025	Agartala, Tripura	NCERT, New Delhi	RCI-registered Rehabilitation professionals	5-Days offline Residential Faculty Development Program	49
(c)	03/03/2025 to 07/03/2025	NILD, Kolkata West Bengal	Rehabilitation Council of India (RCI), New Delhi	RCI-registered Rehabilitation professionals	5-Days offline Residential Faculty Development Program	48
(d)	24/03/2025 to 28/03/2025	NILD, Kolkata West Bengal	Rehabilitation Council of India (RCI), New Delhi	RCI-registered rehabilitation professionals (DDRS/DDRC)	5-Days offline Residential Faculty Development Program	82

Continuing Rehabilitation Education (CRE) Five Days offline Residential Faculty Development Program (3rd March to 7th March, 2025)

National Institute for Locomotor Disabilities, Kolkata has organized 5-Days offline Residential Faculty Development Program funded and accredited by the Rehabilitation Council of India (RCI), New Delhi from 3rd to 7th March, 2025 for 47 faculties from West Bengal of RCI registered teacher Training Institute.

Shri Samik Bhattacharya, Hon'ble Member of Parliament (Rajya Sabha), inaugurated a significant program as the Chief Guest, alongside esteemed guests Mr. Debobrata Chattaraj, Retired IAS & Former Disability Commissioner, Govt. of West Bengal and Sri Bishnupada Nanda, Professor, Department of Education, Jadavpur University. In his inaugural address, Mr. Bhattacharya shed light on the New Education Policy and the current scenario of Medical, Disability and Divyangjan and he emphasized the need to reach the unreached people of the society.



Five Days offline Residential Faculty Development Program (24th March to 28th March 2025)

National Institute for Locomotor Disabilities (NILD), Kolkata has organizing 5-Days offline Residential Faculty Development Program funded and accredited by the Rehabilitation Council of India (RCI), New Delhi from 24th

to 28th March, 2025 specially for professionals working in DDRS/DDRC located at Eastern & North Eastern states of India. The program aims to enhance the teaching methodologies and professional skills of 82 RCI registered DDRS/DDRC rehabilitation professionals from West Bengal, Odisha, Assam, Manipur and Mizoram.



6. (iv) STUDENT INTERNSHIP & PLACEMENT :

Following Students from other Institutions were placed in the Department during the year :

Course	No. of Students	Duration	Practical including Field Work Placement	University / Institution
MSW(Semi-iv)	01	02-01-2024 to 01-04-2024	Field work placement	Rabindra Bharati University
M.Phil (PSW)	06	13-05-2024 to 18-05-2024	Field work placement	Institute of Psychiatry, Kolkata
M.Phil (PSW)	07	21-05-2024 to 28-05-2024	Field work placement	Institute of Psychiatry, Kolkata
M.Sc in Clinical and Counselling Psychology	01	03-06-2024 to 28-06-2024	Field work placement	Central University of Karnataka
Master of Social Work	02	10-06-2024 to 02-07-2024	Field work placement	Visva-Bharati Central University
Bachelor of Social Work (BSW)	03	10-07-2024 to 19-07-2024	Field work placement	Vidyasagar School of Social Work, Vidyasagar University
M.Sc in Clinical & Counselling Psychology	01	02-12-2024 to 28-12-2024	Practicum Internship	Central University of Karnataka
M.Sc in Rehabilitation Psychology	13	16.12.24 to 30.12.24	Field Work Placement	West Bengal State University
MSW (Semester- IV)	04	03-02-2025 to 28-02-2025	Field Work Placement	Visva Bhrati (Central University)



M.Phil PSW & M.S.W in student's placement at SER-OPD

M.Sc in Clinical and Counselling Psychology and M.Sc in Rehabilitation Psychology M.Sc in Rehabilitation Psychology

7. OTHER ACADEMIC ACTIVITIES :

7. (i) EXPOSURE VISITS FROM DIFFERENT ACADEMIC INSTITUTES/OTHERS :

Name of the Institution / University	No. of Visitors/Students	Date	Purpose
Ramkrishna Vivekananda Mission, Suryapur, North 24 Pargana	Students (D.Ed.Spl.Ed.VI)-28 Faculty- 01	25.11.2024	Educational Visit
Association for Advancement & Rehabilitation of Handicapped (AAROH), New Delhi	Students of D.Ed Spl. Ed (IDD)-36 Faculty members-03	24.01.2025	Educational Visit
NIEPID, ERC, Kolkata	Students of B.Ed.SE (IDD)-30 Faculty members-01	19th & 20th March, 2025	Educational Visit

MENTAL HEALTH WEEK-2024 (7th to 12th October, 2024)

Mental Health Week Celebrated every year, with the aim to reduce stigma, raising awareness of mental health issues and mobilizing efforts in support to better mental health. A week-long activity starting from 7th - to 12th October 2024 with the active participation of 205 individuals. The theme of the Mental Health Week of this year was "It's time to Prioritize mental health in the workplace As part of the Mental Health week

observance , Dr.Supartha Barua, Associate professor and Dr. Gargi Das Gupta, Clinical Psychologist(Dept. Of Psychiatry) Medical College,kolkata were the key resource persons and shared valuable insights. Mental health week featured a variety of engaging activities,including awareness programmes,Quiz , Poster and Slogan competition, , a mental health Check-up camp and the creation of a Gratitude Wall. These activities contributed to enhancing awareness and promoting positive mental health practices among the participants.



MAGIC-BASED AWARENESS PROGRAM HELD ON 25TH OCTOBER 2024

The Magic-based Awareness Program aimed at promoting social inclusion for persons with disabilities held at NILD Kolkata on 25th October 2024. Over 200 individuals participated, including all HODs, In-charges, faculties, staffs, students, NGO representatives and PwDs, Caregivers.

This unique program was designed to raise awareness and foster a more inclusive environment for persons with disabilities by using magic as an engaging medium. Dr. Lalit Narayan, Director NILD Kolkata, Shri Sugato

Banerjee, DD(A), NILD, Kolkata, and Dr. Ameen Equebal, Assistant Director (Training), NILD, Kolkata addressed the gathering, emphasizing the importance of inclusion and empowerment.

The highlight of the event was National Awardee Shri Gopinath Muthukad from Kerala, a Magician with a Mission and the Executive Director of the Different Art Centre, Kerala. He showcased "Magic with meaning," using his performance to advocate for social inclusion and the overall development of persons with disabilities. Program was the most impactful and attractive.



7. (iii) EXHIBITION & PARTICIPATIONS :

NILD, Kolkata participated in Rojgar Mela, organized by State Commission for Person with Disabilities, Department of Women and Child Development and Social Welfare, Govt. of West Bengal at Kolkata from 2nd

to 3rd December, 2024. NILD stall showcased a range of assistive devices, posters, banners, and awareness materials highlighting NILD's activities and the Ministry's scheme.





DEPARTMENT OF REHABILITATION NURSING





Department of Rehabilitation Nursing (Academic) has many folded activities as follows :

1. Long-term academic course - M.Sc. Nursing in Medical Surgical Nursing (Ortho and Rehabilitation) Specialty.
2. Short-term training program - educational visit, Clinical placement at rehab unit for PG & UG Nursing courses, workshop, seminar, exhibition, health awareness program etc.
3. Conduction of Project & Research related activities
4. Organization of Special Program (calendar event and others) of institute
5. Organization of extracurricular activities for students welfare

1. Long Term Academic Course

M.Sc. Nursing in Medical Surgical Nursing (Ortho and Rehabilitation) Specialty has been running since 2011. The program was started with the intake capacity of eleven (11) students. The course's duration is two-year session and every year university exam is held as Part-I and Part –II exam. It is approved by West Bengal Nursing Council and Indian Nursing Council and affiliated to West Bengal University of Health Sciences.

Besides conducting long term programs, the department conducts various programs, workshops, on-job training for nurses and organizes educational visits for diploma/ degree and PG nursing students from different nursing schools/ colleges.

This year 07 students took admission in the course. The students gain clinical experience from parent institute and other outside affiliated institute and community field as per the curricular requirements. Students participates in various departmental and institutional activities and attend state and national level conferences, seminars and workshops.

The faculty of the department attends various academic meetings organized by WBUHS, INC, training for online counselling and process of admission / affiliation related data as per WBUHS and Indian Nursing Council, New Delhi. The faculty attends various web- based workshop, seminars and conferences organized by various institutes locally and nationally. The faculty acts as internal and external examiner in university examinations and WB Nursing Council and other states. Final University examination (theory and practical) i.e. Part I and Part II is conducted at the Institute.

Academic Activities

Activities	Remarks
Conducted Workshop and staff development program by the students	i) "Basic Life Support (BLS)" on 19th July, 2024 at NILD, Kolkata ii) "Special Skill on Orthopedic and Rehabilitation Nursing". For staff nurses on 22nd July 2024 at Seminar Hall of Orthopedic Dept. of R.G. Kar, M.C.H, Kolkata.
Attended workshop and conference	- 14 students attended International conference on "advancing research methpdology : innovations , challenges and future direction at college of nursing sciences, DSU, Bangalore.from 26th -27th July, 2024. - Four (04) students attended short course on "Scientific Writing"from 19th -21st February 2025. - 14 students attended workshop on "Disaster preparedness and management" at college of Nursing, AIIMS , Kalyani on 24th Feb. to 3rd Mar., 2025

Result of M.Sc. Nursing students :

SI No.	Batch	No. of admission	Caste				Students Appeared for Examination	Students Passed	Result
			Gen	SC	ST	OBC			
1	2020-2022	10	06	02	01	01	10	10	All 1st Class
2	2021-2023	10	06	04	-	-	10	10	All 1st Class
3	2022-2024	10	06	02	01	01	08	08	All 1st Class
4	2023-2025	07	05	00	01	01 (lift)	running	running	--
5	2024-2026	08	06	01	00	01	running	running	--

Health Awareness given by M.Sc. Nursing students

Health talk is given to the patients and their caretakers at Outpatient and EIC department, NILD on everyday basis by the students of M.Sc. Nursing. The topics of health talk are mentioned below :

- Weaning
- Obesity control (Healthy lifestyle practice)
- Care of fever
- Parenteral screening
- Newborn care
- Prevention and management of scabies
- Essential maternity care
- Importance of breastfeeding of newborn
- Prevention of hearing impairment
- Maintenance of oral hygiene
- Toilet training of toddlers
- Know the milestone for early detection of disabilities
- Prevention from home accidents
- Immunization
- Benefits and facilities available for PwDs
- Importance of daily exercise
- Addiction free life
- Old age care and its importance
- Nutritional diet
- Prevention of hypertension
- Prevention of low back pain
- Importance of periodic health checkup
- Prevention of diabetes
- Use and care of aids and appliances
- Community participation in disability



Health talk session



Workshops :

1 day Workshop was organized by M.Sc. 1st Year Students, Department of Rehabilitation Nursing (Academic) on the topic "Basic Life Support (BLS)"

on 19th July, 2024 in Auditorium, NILD under the guidance of Mrs. Subhra Srimani, HOD, Dept. of Rehabilitation Nursing (Academic). Various resource persons and delegates took part in the workshop.



Lamp Lighting Ceremony



Activity Session



Session by Resource Person



Certificate Distribution

Community postings at Rural Health Centre & Training Centre, Singur

1 day Workshop was organized by M.Sc. 1st Year Students, Department of Rehabilitation Nursing (Academic) on the topic "Basic Life Support (BLS)"

on 19th July, 2024 in Auditorium, NILD under the guidance of Mrs. Subhra Srimani, HOD, Dept. of Rehabilitation Nursing (Academic). Various resource persons and delegates took part in the workshop.



Community postings at Rural Health & Training Centre, Singur

Convocation of Session 2021-2023

Convocation of Session 2021-2023 was held on 12 May, 2024 in Auditorium, NILD. The program was

organized by Dept. of Rehabilitation Nursing under the guidance of Mrs. Subhra Srimani, HOD, Dept. of Rehabilitation Nursing.



Community postings at Rural Health & Training Centre, Singur

Final Research presentation by 2nd Year M.Sc. Nursing students

Final research presentation was arranged by final year M.Sc. nursing students (batch 2022-24) on

08.04.24 under supervision of Mrs. Subhra Srimani, HOD, Dept. of Rehabilitation Nursing. All Guides and co guides were present.



Research Presentation

Pilot Study Presentation of Research (2nd Year M.Sc. Nursing students)

Research pilot study presentation of M.Sc. Nursing students (2023-25) was conducted on 5th February,

2025 in presence of all research guides and other faculty members in Conference room, NILD.



Pilot study presentation

2. Short term training program

a. One-Day Educational Visit

The undergraduate and post graduate students from various Nursing institutions (Nursing training

school and college of Nursing) attends educational visit Program

Total 37 number of educational visit program has been conducted by the Department

Total 809 nursing students visited the Institute.

Details are given below :

SL No.	Institute Name	Participants details	No. of participants	Purpose	
1	KIIT, Bhubaneswar	M.Sc. Nursing (PG)	04	Clinical experience (Two week)	
2	Shambhu Nath Pandit	GNM(2nd year)	30	Educational visit	
3	Govt. CON, NMCH	B.Sc. Nursing Students	39	Educational visit	
4	Govt. CON Uluberia	B.Sc. Nursing Students	47	Educational visit	
5	Govt. College of Nursing Medical College & Hospital	M.Sc. Nursing (PG)	05	Clinical experience	
6	CON, IDBG	B.Sc. Nursing Students	65	Educational visit	
7	CON, SDH	GNM(3rd year)	98	Educational visit	
		GNM(2nd year)	84		
		B.Sc.	81		
8	NRS	M.Sc. Nursing	07	Clinical experience & Educational visit	
		GNM(3rd year)	69		
9	SSKM	M.Sc.(2nd year)	06	Clinical experience	
10	RN TAGORE	B.Sc. Nursing	M.Sc. (1st year)	97	Educational visit & Clinical experience
				02	
11	CON, Diamond Harbour MCH	B.Sc. Nursing	86	Educational visit	
12	Techno India University	B.Sc. Nursing	40	Educational visit	
13	AIIMS Kalyani	B.Sc. Nursing	56	Educational visit	
		GNM-281, B.Sc-511, M.Sc-17			
		TOTAL = 809			



One Day Educational Visit Pic



3. Research study conducted in the year 2024-25

Dissertation of M. Sc Nursing students 2022-2024

National Institute for Locomotor Disabilities (Divyangjan), Kolkata

Sl. No.	Students Name	Topic	Name of Guide
1.	Urmi Ghosh	A study to assess probability of osteoporotic fracture and its association with demographic and clinical risk factors among adults and older adults in selected urban area of Hooghly, West Bengal.	Mrs. Subhra Srimani, HOD, Dpt. of Rehab Nursing (Acad), NILD
2.	Aditi Roy	A quasi-experimental study to assess the effectiveness of assertiveness training program on self-esteem and assertiveness among nurses in selected hospitals of Kolkata, West Bengal.	Mrs. Saraswati Barui, Principal, College of Nursing, Serampore Walsh Hospital
3.	Jhumpa Bhowmick (Mitra)	A study to assess the effectiveness of proximal massage and palm fisting in reducing the risk of thrombophlebitis among intravenous cannulated inpatients in selected hospital of West Bengal	Mrs. Shampa Gupta, Principal, West Bank College of Nursing
4.	Ruma Majumdar	A study to assess the effectiveness of video model based tooth-brushing training on oral health status and oral health habit among children with Autism Spectrum Disorder in selected Institutes, Kolkata.	Mrs. Subhra Srimani, HOD, Dpt. of Rehab Nursing (Acad), NILD
5.	Kritika Subba	A retrospective study to assess text neck syndrome and associated factors among students in Kolkata, West Bengal.	Mrs. Subhra Srimani, HOD, Dpt. of Rehab Nursing (Acad), NILD
6.	Sumitra Gayen	A study to assess knowledge and practice regarding self-administration of insulin among diabetic patient in selected hospitals of Kolkata.	Mrs. Saraswati Barui, Principal, College of Nursing, Serampore Walse Hospital
7.	Anita Bhandari	A study to assess the prevalence and risk factors of musculoskeletal disorders among health care professionals in selected hospital, Kolkata, West Bengal.	Mrs. Shampa Gupta, Principal, West Bank College of Nursing
8.	Suparna Howlader	A study to assess the effectiveness of non-pharmacological intervention in adjuvant with standard care on pain and sleep quality among patients undergoing major orthopedic surgery in selected hospital of Kolkata.	Mrs. Subhra Srimani, HOD, Dpt. of Rehab Nursing (Acad), NILD

Paper Presentation :

Mrs. Subhra Srimani, Lecturer cum ANS of National institute for Locomotor Disabilities (Divyangjan). West Bengal, India, has presented her worthy paper Presentation in virtual mode titled "Parental Knowledge on Oral Health Care and Feeding Techniques among Children with Cerebral Palsy : A Review" in the Manipur International University held on 22nd-24th April, 2024 research conference 2024 : Collaborative excellence in multidisciplinary research".

Conference/Workshop :

M.Sc. Nursing students attended International Conference on "Advancing Research Methodologist Innovation challenges and Future direction" program at College of Nursing sciences, Dayananda Sagar University, Bangalore on 26.07.24 & 26.07.25 with 70 participants.

M.Sc. Nursing students attended short course on "Scientific Writing Workshop" at All India Institute of Hygiene & Public Health on 19.02.25 to 21.02.25



M.Sc. Nursing students attended Workshop on “Disaster Preparedness and Management” at AIIMS Kalyani on 13.03.2025.



Participants and facilitators of disaster preparedness workshop

Visit Related To Development of Model Rural Divyangjan Rehabilitation Unit

National Institute for Locomotor Disabilities (Divyangjan), Kolkata organized a visit related to development of Model Rural Divyangjan Rehabilitation unit at Sangrampur Shibghati Gram Panchayat, Basirhat, 24 paraganas (North) on 26th June, 2024 with 200 participants. The visit was done by Mrs. S. Srimani, HOD, Dept of Rehab Nursing (Acad.), NILD and four M.Sc Nursing Students aimed to

do extensive survey of the area and prepare a Model Rural Divyangjan Rehabilitation Report. We met with the Panchayat Pradhan, Mrs. Baby Ghosh, and the Secretary and Savapathi Mr. Uttam Sardar and other members at BDO Office. We organized an awareness program, which included Health check-up and educational sessions on available benefits and schemes for PwDs and also provided Refreshments.



Awareness camp regarding prevention of non-communicable disease among PWDs and family members at community

National Institute for Locomotor Disabilities (Divyangjan), Kolkata organized "Awareness camp regarding prevention of non-communicable disease among PWDs and family members at community" at U.P. School community hall, Elias Road, Panihati, Kolkata. The program was held on



30th December, 2024. The chief guests were Mrs. Mousumi Ghosal, Councillor, Ward 6, Panihati Municipality; Mr. Biswanath Dey, Councillor, Ward 5, Panihati Municipality; Mr. Sankar Biswas, secretary, Panihati pratibandhi kalyan samiti; Dr. Lalit Narayan, Director, National Institute for Locomotor Disabilities; Mrs. S. Srimani, Lecture cum ANS, NILD, Kolkata. Total 73 PWDs with their family members attended the awareness camp.



Awareness campaign speech



Awareness given through health education

Awareness camp regarding lifestyle modification among PWDs and family members at community

Lifestyle modification among PWDs and family members at community" at Shibhati, Sangrampur Panchayet, North

24 Parganas, West Bengal. The program was held on 13th January, 2025. Total 125 PWDs with their family members attended the awareness camp.



Awareness given through health education and pamphlet distribution





The students of M.Sc. Nursing had taken active participation in various programs conducted by the Institution like International Day for Persons with Disabilities on 3 December and National Unity Day, 2024 in NILD, Kolkata

The extracurricular activities of the department include activities like Christmas eve celebration, fresher's welcome, annual picnic, farewell ceremony, alumni meet, annual fest and Saraswati puja celebration and Holi celebration.



Stall by M.Sc. Nursing Dept.



IDPD Rally at B.T Road



DEPARTMENT OF REHABILITATION ENGINEERING



In compliance to the decision taken in 29th Governing Council held on 17th February 2008, it has been decided to establish Department of Rehabilitation Engineering. In view of need of rehabilitation engineering as an independent specialty, the department was conceptualized and established initially with above officials. Department of rehabilitation engineering design/develop devices and systems to meet a wide range of needs that can assist individuals with mobility and other factors. These tools help people with day-to-day activities related to employment, independent living and education. Department of rehabilitation engineering is the use of engineering principles to develop technological solutions and devices to assist individuals with disabilities and aid the recovery of physical and cognitive functions.

The academic/research facilities and collaboration with premier institutes like, Indian Space Research Organization (ISRO), Indian Institute of Technology (IIT), Kharagpur, Jadavpur University, Indian Institute of Engineering Science and Technology (IEST), Shibpur, Indian Statistical Institute (ISI), Kolkata and University of Calcutta enhance the activities of the department.

List of laboratories under Department of Rehabilitation Engineering :

- Gait Lab
- Computer Lab (e-Lab)
- Research and Development Lab

➤ Rehab Engineering Lab

All these laboratories are equipped with advance biomechanics, mechatronics instruments, bio-engineering and advance computational facilities. The department of rehabilitation engineering coordinates and participates with other departments of the Institute to develop high level human resource training in the rehabilitation service. The laboratory facilitates with clinical data recording and research studies to the researchers, scholars and post graduate students.

Academic activity :

The department provides teaching service to various undergraduate and postgraduate academic activities of the institute and host practical examinations.

Research activity :

The department host JRF/SRF program of the institute.

Patient data recording and data analysis service in the Gait Lab / R&D Lab :

Test	Force Plate
Number of Test	131

Service provided to various projects/ post graduate thesis :

No of Students	Departments
	MPO
	04



CROSS DISABILITY EARLY INTERVENTION CENTRE (CDEIC)





Early identification of infants and toddlers at risk for developmental delays and disabilities and appropriate intervention immediate thereafter are vital for effective rehabilitation of children with disabilities. The National Institute for Locomotor Disabilities (Divyangjan), Kolkata through its Cross Disability Early Intervention Centre (CDEIC) providing services in an inviting and attractive environment for children between 0-6 years with the following facilities.

- Occupational Therapy
- Sensory Integration Therapy
- Physiotherapy
- Audiology testing and Speech intervention
- Behavioral Modification, Parent Counselling, Guidance & Training.
- Medical Support Services

- School Readiness Program
- Special Education
- Baby Care

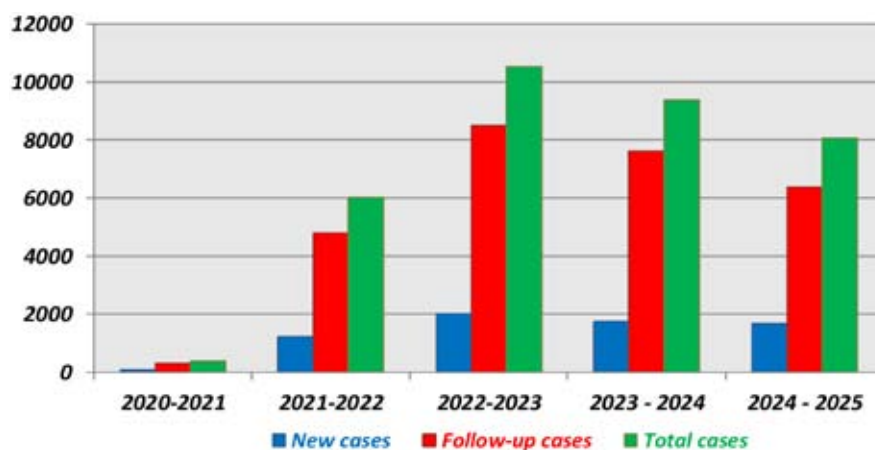
CDEIC, NILD, Kolkata is giving services to patient by following three main approaches :

- ❖ Multidisciplinary Therapy Services (Monday - Friday: 9.30am to 3pm, Saturday: 9.30am -1pm)
- ❖ Trans disciplinary Therapy Services (Group therapy on Tuesday at 3pm to 4pm) & (Pahel Assessment and Intervention on Monday at 3pm to 4pm)
- ❖ School Readiness Programme (Monday to Friday: 10am to 11am)

Year wise details of beneficiaries

	2020-21	2021-22	2022-23	2023 - 24	2024 - 25
New cases	78	1219	2023	1749	1676
Follow-up cases	297	4797	8507	7624	6380
Total cases	375	6016	10530	9373	8056
Total Services (No. of sitting/service)	1251	28933	65236	46012	40617

Year wise Graphical Representation details of Beneficiaries



Summary of Cases during the year 2024- 2025

NEW CASES	MALE (New Cases)	FEMALE (New Cases)	FOLLOW-UP CASES	MALE (Follow- up Cases)	FEMALE (Follow-up Cases)	TOTAL (Follow- up + New cases)
1676	1166	510	6380	4618	1762	8056



Disabilities	Diagnosis	New cases+ Follow Up Cases		
		Male	Female	Total
Physical Disabilities				
Locomotor Disability	Leprosy cured person	00	00	00
	CP	2026	937	2963
	Dwarfism	00	00	00
	Muscular Dystrophy	01	01	02
	Acid attack victims	00	00	00
Visual Impairment	Blindness	02	00	02
	Low vision	02	08	10
Hearing Impairment	Deaf	00	00	00
	Hard of hearing	90	21	111
Speech and language disability		1030	205	1235
Intellectual Disability		130	36	166
Specific Learning Disability		01	00	01
Autism Spectrum Disorder		2016	791	2807
Down syndrome		53	89	142
Mental Behaviour (Mental Illness)		32	10	42
Disability caused due to				
Chronic neurological conditions	Multiple sclerosis	00	00	00
	Parkinson's disease	00	00	00
Blood Disorder	Haemophilia	00	00	00
	Thalassemia	00	00	00
	Sickle cell disease	00	00	00
Multiple Disabilities		44	21	65
Associated Conditions		08	17	25
Others		349	136	485
TOTAL		5784	2272	8056



THERAPEUTIC SERVICES

Sl. No.	SERVICES			No. of Services	
A.	Multidisciplinary Therapy Services				
1	OCCUPATIONAL THERAPY			8316	
	CARS / ADHD RATING SCALE			03	
	SENSORY PROFILE			03	
2	PHYSIOTHERAPY			8503	
	GMFCS/GMFM			07	
3	AUDIOLOGY, SPEECH AND LANGUAGE THERAPY	SPEECH & LANGUAGE THERAPY		269	
		HEARING SCREENING / EVALUATION		00	
4	CLINICAL PSYCHOLOGY	A. Parental counselling & Guidance	Individual	6819	7217
		B. Parental Training for behaviour modification	Group	398	
		C. Peer counselling of CwDs	Individual	1311	1645
			Group	334	
		IQ			26
ADHD T Test			01		
5	SPECIAL EDUCATION	SPECIAL EDUCATION (HI)	Individual	7583	7830
			Group	247	
		SPECIAL EDUCATION (ID)	Individual	4824	4981
			Group	157	
6	Medical services	Dental consultation		158	
		Paediatric consultation		728	
B	Trans disciplinary Therapy Services (Group session & PEHAL intervention & assessment)			414	
C	School Readiness Program			516	
TOTAL SERVICES				40617	
E	Refer to provide services for Assistive Devices (soft splints, orthosis, hearing aids, writing aids, feeding aids etc.), NIHH, NIEPID, NIVH			603	

OTHERS IMPORTANT ACTIVITIES

EVENTS		NUMBER OF ACTIVITIES
Seminar for primary teacher training program organised by CDEIC		01
CDEIC's Staff act as Guest speaker in Webinar/Seminar		02
CDEIC's Staff participated in National Seminar/WORKSHOP		01
DAY CELEBRATION	Children's day & Down syndrome day, Yoga day, haemophilia day	04
Parent Teacher Meeting		12
Interactive seminars/meetings in Transdisciplinary approach		12
Group parental counselling seminar in Transdisciplinary approach		12
Multidisciplinary special group sessions		53
Awareness program by CDEIC, NILD, Kolkata		05
TOTAL		100

Act as resource person by CDEIC Staff

Sl. No.	Organizer & Speaker	Topic	Date & Time	Number of Participants	Mode
1	Mrs. Rupsha Pal Special Educator (HI) CDEIC as a speaker Organised by CDEIC, NILD, KOLKATA	"Cross Disability Early Intervention For Children with Disabilities"	21.03.2025	158 (Primary teacher, parents, children with Down Syndrome)	Offline
2	Mrs. Priyanka Ghosh (Rehabilitation Psychologist, CDEIC) acted as a speaker, Organised by organized by NILD, Kolkata & Ministry of Health & Family Welfare Govt. of Arunachal Pradesh.	"Psychological Support And Early Intervention"	11.03.2025	10 (Master Training Program to Train 4000 ASHA Workers)	Offline
TOTAL NO. OF BENEFICIARIES				168	



Mrs. Rupsha Pal (Cross Disability Early Intervention For Children with Disabilities)



Mrs. Priyanka Ghosh (Psychological Support & Early Intervention)

Participated at program by CDEIC Staff

Sl. No.	Organizers	Topic	Date & Time	Mode
1	NIEPID, SECUNDERABAD at CRC NAGPUR	CRE WORKSHOP PROGRAM ON NIEPID INDIAN TEST OF INTELLEGENCE	04/06/2024 & 06/06/2024 10am-5pm	Offline



OTHER ACTIVITIES

1. PARENT TEACHER SEMINAR



Parent-Teacher seminar was conducted by Special Educators of CDEIC where all the parents/caregivers of the children were present and were allowed to interact with all the professionals of CDEIC.

2. INTERACTIVE SEMINAR



Interactive session for transdisciplinary approach

3. SCHOOL READINESS PROGRAMME



4. ART AND CRAFT ACTIVITY (SCHOOL READINESS PROGRAMME) :



Creative art & Craft Activity by the Children at School Readiness Program

5. GROUP PARENTAL COUNSELLING



6. INTERNATIONAL YOGA DAY, 2024 CELEBRATED AT CDEIC



RESEARCH AND PUBLICATION :

CDEIC AS THE PLACE FOR ONGOING RESEARCH :

SI No.	Date	Days	Topic	Department/ Institution	No. of Students / Faculty
1	April, 2024 to June 2024	3 month	"Comparative study between Neuro-Developmental Treatment and task oriented training on Gross-motor function, Balance and functional mobility in children with spastic diaplegic cerebral palsy : A Randomised Clinical Trial"	MPT 1ST year, Department of Physiotherapy, NILD, Kolkata	1
2	22/07/24 to 27/07/24	5 days	Research study on Children with disabilities in the state of Bihar, West Bengal, Gujarat along with permission letter DEPWDs, MSJEPwDs, Govt. India.	YOUNG LIVES INDIA	2 faculty & 7 students

1. HONORABLE SECRETARY, DEPWD VISTED AT CDEIC :



2. MOU SIGNED BETWEEN CDEIC & INDIA AUTISM CENTRE :



No. of Beneficiaries getting free service from UDID at CDEIC

Month	NEW		FOLLOW UP		Total
	MALE	FEMALE	MALE	FEMALE	
April 2024 to March 2025	56	23	831	283	1193
	79		1114		

Beneficiaries of Niramaya Health Insurance Scheme at CDEIC

Month	Niramaya Health Insurance Scheme		Total
	MALE	FEMALE	
April 2024 to March 2025	58	20	78

OTHER REFERRAL SERVICES

NIEPVD	NIEPID for GDC/IQ	AYJNISD
18	92	146

THERAPEUTIC SERVICES

PHYSIOTHERAPY :



OCCUPATIONAL THERAPY :



CLINICAL PSYCHOLOGY & BEHAVIORAL THERAPY :



SPECIAL EDUCATIONAL SERVICES :



SPECIAL EDUCATION MULTIDISCIPLINARY GROUP SERVICES :



TRANSDISCIPLINARY SERVICES :



PARENTAL GROUP COUNSELLING (TRANSDICIPLINARY SERVICES) :





DEPARTMENT OF VISUAL IMPAIRMENT



Services of V.I. Unit :

- A. Pre-School :** This unit under taken in the crucial area of early intervention and providing pre school education to the Visually Impaired children. This service is being provided as a model service enabling its replication in the interest of state and voluntary agencies.
- B. Home Bound Programme for V.I with I.D. children :** This service is being provided to the V.I. children with associated I.D. Since this year, monthly visits are being undertaken to the residence or place of stay of the children enrolled in this programme.
- C. Independent Living Skills :** This unit also provide service to the person with visual impairment. This unique programme provides such type of training on Braille, Orientation and Mobility and Daily Living skills. A batch of 10 V.I. trainees are provided training in each batch for a duration of 3 months.
- D. Career counselling & Placement :** A large number of visually impaired persons have been assisted by

providing information related to vacancy in Govt organizations, PSUs, banks and companies. Two Divyangjan Rozgar Mela were conducted this year at NILD in collaboration with placement agencies.

Details of services provided at Visual Impairment unit 2024-25

	2023-24	2024-25
Total cases	830	790
New cases	83	93
Follow up cases	747	697
Supportive Services	2933	3300
STT. Prog.	05	04
Total beneficiaries	214	178
Total no of aids provided through Sales	30	310

Details of STT Programme

S.N	Topic of the Programme / Event	Date	Venue	No of Participants
1.	Helen Keller day	27/06/2024	AYJNISHD Auditorium	51
2.	World Sight day	12/10/2024	NILDVI unit	35
3.	White Cane day	15/10/2024	AYJNISHD Auditorium	39
4.	International day for PWDs Divyangjan	03/12/2024	NILD	227
5.	World Braille day	04/01/2025	Birla Industrial and Technological Museum	53

Activities conducted by VI unit :

Two Divyang Rozgar Mela were conducted by NILD in collaboration with Dr. Reddy Foundation and American

India Foundation on 19th Sep 2024 and 21st Mar 2025. A total number of around 180 PwDs including those with VI and low vision participated in the events.

VI children participating in different events organized by NILD Kolkata on the occasion of International day for PWDs 3rd Dec 2024 at NILD.



VI Children availing different services at the unit





CHAPTER

2

HUMAN RESOURCE DEVELOPMENT

The Institute, established and registered under Societies Registration Act in 1982, recognized the need for professional manpower to provide rehabilitation services for people with disabilities. To fulfill this requirement and promote manpower development, the Institute introduced degree courses and a diploma course. Initially, the degree courses offered were B.Sc Honours in Physiotherapy and Occupational Therapy, both of which had duration of 3 years and an intake capacity of 20 students. The diploma course offered was Prosthetics and Orthotics, which had duration of 2 years and an intake capacity of 10 students. These courses were affiliated with Jadavpur University. In 1990, the courses were upgraded to degree level and renamed as Bachelor in Physiotherapy (BPT), Bachelor in Occupational therapy (BOT), and Bachelor in Prosthetics and Orthotics (BPO). The affiliation was shifted from Jadavpur University to Calcutta University. In 2004, with the establishment of the Health University in the state and the decision to consolidate all health and allied health courses under it, the courses (BPT, BOT, and BPO) offered by the Institute were transferred to the West Bengal University of Health & Sciences.

The implementation of the Persons with Disabilities Act in 1995 highlighted the need for professional managers in the field. To address this requirement, the Institute developed a new course called the "Post Graduate Diploma in Disability Rehabilitation Management." This one year course was initiated in collaboration with the Department of Family & Child Welfare, Tata Institute of Social Sciences (TISS), Mumbai, in 1998. After two batches conducted in collaboration with TISS, the course was conducted in collaboration with Viswa Bharti, Shantiniketan. Currently, the

course is affiliated with the West Bengal University of Health Sciences, Kolkata. To cater to the academic advancement of undergraduate professionals in Physiotherapy, Occupational Therapy, and Prosthetics & Orthotics, the Institute introduced postgraduate courses: Master in Physiotherapy (MPT), Master in Occupational Therapy (MOT), and Master in Prosthetics & Orthotics (MPO). These courses were affiliated with the West Bengal University of Health Sciences and were initiated in the year 2007. Recognizing the importance of providing competent orthopedic and nursing care to individuals with chronic disabilities such as stroke, paraplegia, arthritis, and the elderly, the Institute conceptualized a new two-year postgraduate course called "MSc Nursing (Orthopedic & Rehabilitation)." This course commenced in 2007 and received approval from the Indian Nursing Council and the West Bengal Nursing Council. In course of time the Institute also started Certificate Courses. CBID (Certificate in Community Based Inclusive Development) a competency-based training program of six months, developed in collaboration University of Melbourne, Australia & offered by the Rehabilitation Council of India (RCI). The purpose is to create a pool of community-based rehabilitation (CBR) workers who can address cross-disability issues at the grassroots level.

In addition to the degree and diploma courses, the Institute offers various short-term courses at its headquarters in Kolkata, as well as its Composite Regional Centers and other adhering to the reservation guidelines for SC (Scheduled Caste), ST (Scheduled Tribe), OBC (Other Backward Classes), EWS & Divyangjan, as laid down by the Government of India. The primary objectives of these courses and programs are:



1. To enhance the skills and competency of the available human resources in order to effectively fulfill the responsibilities assigned to them by the Institute.
2. To meet the demand for skilled professionals working with individuals with locomotor disabilities throughout the country.
3. To update the knowledge and expertise of the existing human resources to ensure they stay abreast of advancements in their respective fields.

Details of Long-term courses :

A) LONG TERM COURSES :

i) Post Graduate Courses:

Sr. No.	Name of Courses	Intake Capacity	Admission			Pass Out		
			2022	2023	2024	2022	2023	2024
1.	Master of Physiotherapy(Ortho)	07	07	07	*	06	05	07
2.	Master of Physiotherapy(Neuro)	03	03	03	*	-	02	03
3.	Master of Occupational Therapy (Ortho)	07	07	07	*	05	04	07
4.	Master of Prosthetics and Orthotics	07	07	07	*	03	03	06
5.	M. Sc. Nursing (Ortho. & Rehabilitation)	10	10	07	08	10	10	08
6.	Post Graduate Diploma in Disability Rehabilitation Management (PGDDRM)	15	04	07	*	06	07	07

Under Graduate Courses

Sr. No.	Name of Courses	Intake Capacity	Admission			Pass Out		
			2022	2023	2024	2022	2023	2024
1.	Bachelor of Physiotherapy	57	57	57	57	49	49	42
2.	Bachelor of Occupational Therapy	56	56	54	56	39	41	41
3.	Bachelor of Prosthetics and Orthotics	47	25	43	42	28	27	20
4.	CBID	40	18	16	16	18	16	10

B. STUDENTS PLACEMENT CELL :

The Student Placement Cell was established in the Institute in 2010 with the primary objective of assisting undergraduates and postgraduates in finding job opportunities upon graduation. The Placement Cell maintains regular communication with reputed rehabilitation centers, hospitals, and institutions

throughout the year, actively facilitating connections between these organizations and the Institute's graduates. Over the three year period from **2022-23** to **2024-25**, the Placement Cell has successfully guided a total of **370** students. The outcomes of these efforts are as follows :

Students Placement	2022-23	2023-2024	2024-25
Total Number of students appeared for placement	118	127	125
Placement in Non Govt Job	54	66	78
Pursued Higher Studies	48	46	27
Self Employed	12	14	20



During 2024–25, the Placement Cell reached out to 18 well known rehabilitation centers, hospitals, and institutions across the country. As a result of these efforts, a total of 78 students secured positions in the

non government sector, reflecting the effectiveness of the Student Placement Cell in facilitating successful career transitions and contributing to the growth of skilled professionals in the rehabilitation field.

LIST OF RECRUITERS :

SL NO.	COURSE	NAME OF THE ORGANIZATION	LOCATION	NO. OF STUDENTS APPEARED	NO. OF STUDENTS SELECTED
01	PO	OTTOBOCK HEALTHCARE LTD	PAN INDIA	12	02
02		ENDOLITE INDIA LTD	PAN INDIA	10	05
03		INSPIRE PROSTHETICS & ORTHOTICS	HYDERABAD	15	04
04		MAHAVIR SEVA SADAN	KOLKATA	04	02
05		INSTALIMB INDIA	GURGAON, NEW DELHI	11	00
06		ALIMCO	PAN INDIA	31	10
07	OT	MOM'S BELIEF	PAN INDIA	31	22
08		LISSUN CHILD DEVELOPMENT CENTER	PAN INDIA	12	04
09		MAHAVIR SEVA SADAN	KOLKATA	17	04
10		SUMAANG HEALTHCARE LTD	KOLKATA, PURULIA	16	04
11		MAINSTREAM FOUNDATION	PATNA	04	01
12		SAMADHAN CHILD DEVELOPMENT CENTER	RANCHI	01	01
13		INDIA THERAPY CENTRE	RANCHI	00	00
14		SAMARTH EARLY INTERVENTION AND REHABILITATION CENTER	KERALA	00	00
16		SPEECH GEARS RESEARCH INSTITUTE	NOIDA	00	00
17	PT	MOM'S BELIEF	PAN INDIA	25	18
18		MAHAVIR SEVA SADAN	KOLKATA	18	04
19		INDIA THERAPY CENTRE	RANCHI	01	01
20		SUMAANG HEALTHCARE	KOLKATA, PURULIA	14	05
21		SAMADHAN CHILD DEVELOPMENT CENTER	RANCHI	02	02
22		MAINSTREAM FOUNDATION	PATNA	03	02



Campus Interview by ALIMCO



Campus Interview by Sumang Helthcare



C. SHORT TERM PROGRAMS :

Training constitutes one of the major activities of the Institute. Being an apex organization for training of manpower in the area of locomotor disability, the Institute is responsible for planning, organizing,

coordinating and monitoring training on short term basis; building capabilities of various organizations engaged in training and services.

During the period 2024-2025, total 51 different programs were organized 5879 benefitting participants.

Details of Short Term Training Program during 2024-25 :

Sr. No.	Name of Program	Offline by/In Collaboration	Date	No. of Participants	Mode
WEBINAR					
1	Occasion of World Parkinson Day	Dept. of PT NILD, Kolkata	11th April , 2024	65	Online
2	Empowering lives , embracing Progress, Equitable and Accessible Thalassaemia Treatment for all	Dept. of Rehab Nursing NILD, Kolkata	8th May, 2024	200	Online
3	“ Emerging Digital Accessibility and Inclusion “	Dept. of P&O. NILD, Kolkata	16th May,2024	106	Online
4	World Multiple Sclerosis Day	Dept. of PT NILD, Kolkata	30th May, 2024	72	Online
5	World Duchenne Muscular Dystrophy Day	Dept. of PT, NILD Kolkata	7th Sept, 2024	75	Online
6	World Sight Day	Dept. of V.I, NILD Kolkata	9th Oct, 2024	35	Online
7	“Latest Intervention of Autism Spectrum Disorder	Dept. of P&O. NILD, Kolkata	19th Oct, 2024	184	Online
8	“Role of dwarfism in media and culture”	Dept. of P&O. NILD, Kolkata	25th Oct, 2024	177	Online
SEMINAR					
1	Seminar conducted for Parents interaction	Dept. of CDEIC, NILD Kolkata	9-10th May, 2024	52	Offline
2	“ Enhancing Quality of Life for Persons with Disabilities through Prosthesis, Orthosis and Assistive Devices”	Dept. of P&O, NILD Kolkata	5th Nov, 2024	108	Offline
3	“Advancement in Socket Technology for Trans-femoral Prosthesis	Dept. of P&O, NILD Kolkata	21 & 22 Nov, 2024	43	Offline
4	“ Direct Socket System for Trans-Tibial Prosthesis	Dept. of P&O, NILD Kolkata	9-10 Jan, 2025	101	Offline
5	“Innovations in Wheelchair Technology with Sports and Recreation for Wheelchair Users	Dept. of P&O, NILD Kolkata	1st Mar, 2025	190	Offline



Sr. No.	Name of Program	Offline by/In Collaboration	Date	No. of Participants	Mode
TRAINING PROGRAM					
1	One day Educational Training Program and Clinical posting of M.Sc. Nursing Students from other Institute	12 College of Nursing from West Bengal & Odisha	April 2024 to October 2024	809	Offline
2	Skill Training Session on Basic Life Support(BLS)	Dept. of Nursing, NILD Kolkata	19th July, 2024	50	Offline
3	Staff Development Program on "special Skill on Orthopaedic and Rehabilitation Nursing"	Dept. of Nursing, NILD Kolkata	22nd July, 2024	60	Offline
4	5-Days offline Residential Faculty Development Program	Dept. Of SER, NILD Kolkata	3rd March,2025 to 7th March,2025	48	Offline
5	5-Days offline Residential Faculty Development Program	Dept. Of SER, NILD Kolkata	24th March2025 to 28th march.2025	82	Offline
AWARENESS PROGRAM					
1	World Autism Awareness Day	Dept. of OT, NILD Kolkata	2nd April, 2024	45	Offline
2	World Haemophilia Day	Dept. of Nursing & CDEIC, NILD Kolkata	17th April, 2024	150	Offline
3	World Thalassaemia Day Theme "Empowering Lives, Embracing Progress: Equitable and Accessible Thalassaemia Treatment for All"	Dept. of Nursing, NILD Kolkata	8th May, 2024	200	Offline
4	Nurses' Day	Dept. of Nursing, NILD Kolkata	13th May, 2024	50	Offline
5	Awareness program, on available benefits and schemes for PwDs	Dept. of Nursing, NILD Kolkata`	26th June,2024	200	Offline
6	Capacity building of stakeholders on Disability Rehabilitation and the role of Assistive devices and technology in day-to-day life of PWDs	Dept. of SER, NILD Kolkata	25th July, 2024	47	Offline
7	One Day Awareness program on capacity Building Training to stakeholders on Disability Rehabilitation (Nayagram, W.B)	Dept. of Nursing, NILD Kolkata	20th Aug, 2024	107	Offline
8	One Day Awareness program on capacity Building Training to stakeholders on Disability Rehabilitation (Egra, W.B)	Dept. of Nursing, NILD Kolkata	21st Aug, 2024	110	Offline



Sr. No.	Name of Program	Offline by/In Collaboration	Date	No. of Participants	Mode
9	One Day Awareness program on capacity Building Training to stakeholders on Disability Rehabilitation Jalpaiguri, W.B)	Dept. of Nursing, NILD Kolkata	29th Aug, 2024	112	Offline
10	World Spinal Cord Injury Day Theme "End Violence Protect Spinal Cord"	Dept. of PT, NILD Kolkata	5th Sept, 2024	95	Offline
11	"Low Back Pain". Awareness program included video display	Dept. of PT, NILD Kolkata	5th to 9th Sept,2024	450	Offline
12	Sensitization programme on Understanding Disabilities and Rehabilitation	Dept. of SER, NILD Kolkata	18th Sept, 2024	50	Offline
13	Awareness Programme on Indian Sign Language	Dept. of SER, NILD Kolkata	23rd Sept, 2024	108	Offline
14	World Cerebral Palsy Day	Dept. of OT, NILD Kolkata	6th Oct, 2024	50	Offline
15	Mental health awareness week	Dept. of SER, NILD Kolkata	7th - 12th Oct, 2024	205	Offline
16	World Dyslexia Day	Dept. Of OT, NILD Kolkata	8th Oct, 2024	45	Offline
17	White Cane Day Theme 'Promoting Inclusion: Celebrating Abilities and Advocating Access for People.'	Dept. of V.I, NILD Kolkata	15th Oct, 2024	39	Offline
18	World Occupational Therapy Day	Dept. of OT, NILD Kolkata	27th Oct, 2024	64	Offline
19	Magic-Based Awareness Program	Dept. of SER, NILD Kolkata	25th Oct, 2024	200	Offline
20	World stroke Day Theme "#Greater Than Stroke"	Dept. of PT, NILD Kolkata	29th Oct, 2024	100	Offline
21	Universal Health Coverage Day	Dept. Of Nursing, NILD Kolkata	12th Dec, 2024	70	Offline
22	"Regarding prevention of non-communicable disease among PWDs and family members at community"	Dept. Of Nursing, NILD Kolkata	30th Dec,2024	75	Offline
23	lifestyle modification among PWDs and family members at community"	Dept. Of Nursing, NILD Kolkata	13th Jan,2025	125	Offline
24	National Youth Day	Dept. of SER NILD Kolkata	13th Jan, 2025	137	Offline
25	World Aspergers Day	Dept. of OT, NILD Kolkata	2nd Feb, 2025	40	Online



Sr. No.	Name of Program	Offline by/In Collaboration	Date	No. of Participants	Mode
26	World Social Justice Day	Dept. of SER NILD Kolkata	20th Feb, 2025	150	Offline
27	World Down Syndrome Day	Dept. of CDEIC NILD Kolkata	21st March, 2025	47	Offline
28	One day Basic Training Program on Disability Rehabilitation for the volunteers of SAKSHAM Dakshin Bengal	Dept. Of SER NILD Kolkata	30th March,2025	55	Offline

WORKSHOP

1	BLS Training Workshop	Dept. of PT, NILD Kolkata	19th July, 2024	60	Offline
2	Special Skill on ORTHOPEDIC & Rehabilitation Nursing	Dept. of Rehab. Nursing, NILD	22nd July, 24	60	Offline
3	"It's time to prioritize mental health in the workplace" and " Practical approach to managing Mental Health"	Dept. of SER, NILD Kolkata	17th Oct, 2024	45	Offline
4	"Physiotherapy in Intensive Care Unit"	Dept. of PT, NILD Kolkata	18th & 19th Jan,2025	75	Offline
5	'Hands-on workshop on NDT/ Bobath Approach	Dept. of PT, NILD Kolkata	23rd & 24th Mar,2025	56	Offline



CHAPTER

3

RESEARCH AND DEVELOPMENT UNIT

The Research and Development (R&D) Unit will advance the frontiers of rehabilitation science through innovative research and the creation of practical, cost-effective solutions that address real-world challenges faced by individuals with disabilities. Its primary goal is to bridge the gap between cutting-edge scientific knowledge and its direct application in clinical and community settings. This involves both the development of novel assistive technologies and the improvement of existing devices, systems, and therapeutic approaches that contribute meaningfully to the field of rehabilitation.

In pursuit of its mission, the R&D Unit actively engages in multidisciplinary research projects that combine insights from engineering, medicine, allied health sciences, and social sciences. To enhance the quality and impact of its work, the unit collaborates closely with several premier research organizations and academic institutions. Notable among these collaborators are the Indian Space Research Organization (ISRO), the Department of Science and Technology (DST), the Indian Institute of Technology (IIT), Kharagpur, the Indian Institute of Engineering Science and Technology (IEST), Shibpur, Jadavpur University, the College of Science and Technology, and the University of Calcutta. These partnerships bring together leading experts and researchers to co-develop technologies and conduct studies that have both scientific relevance and societal impact.

The R&D Unit also plays a central role in coordinating research initiatives across various departments within the parent institute. This ensures a unified approach to rehabilitation research, facilitating knowledge sharing, resource pooling, and collaborative problem-solving. Research projects span a wide range of areas, including biomechanics, prosthetics and orthotics, neurorehabilitation, assistive technologies, and inclusive design, among others.

A key element of the R&D Unit's strategy is the integration of education and research. It facilitates the development of young researchers by implementing structured training and scholarship programs. Through the Junior Research Fellowship (JRF) and Senior Research Fellowship (SRF) schemes, the unit supports postgraduate and doctoral students working on innovative projects aligned with the institute's vision. These programs help build research capacity and ensure a steady pipeline of skilled professionals committed to advancing rehabilitation science.

The Research and Development Unit functions as a dynamic hub of innovation, knowledge creation, and applied research. By aligning its goals with national priorities and partnering with leading scientific bodies, it strives to create impactful solutions that enhance the quality of life for persons with disabilities and contribute to a more inclusive society.



Gait Analysis of Patients