



INSTITUTE OF HEALTH SCIENCES

(A Unit of Margdarsi)

Office : N-2/41, I.R.C. Village, Nayapalli, Bhubaneswar, Odisha - 751015, Ph. : 0674-2553640, 2550054
Campus : Chandaka, Bhubaneswar, Khordha, Odisha - 754005, E-mail : ihsbbsr@margdarsi.org, Web : www.ihsindia.org

4.2.3 Detailed report of laboratories utilities for the benefit of students as learning resources

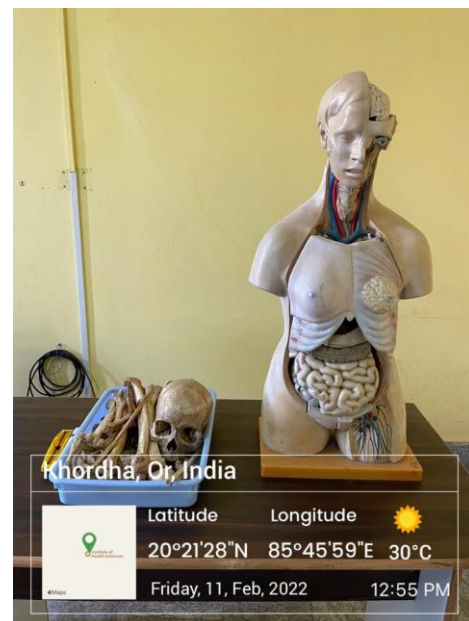
ANATOMY LAB

Objectives:

1. Identification and description of all anatomical structures
2. The learning of anatomy is by demonstration only through dissected parts, slides, models, charts, etc.
3. Demonstration of dissected parts (upper extremity, lower extremity, thoracic & abdominal viscera, face, and brain).
4. Demonstration of the skeleton- articulated and disarticulated.
5. During the training more emphasis is given to the study of bones, muscles, joints, nerve supply of the limbs, and arteries of limbs.
6. Surface anatomy: surface landmark- bony, muscular and ligamentous. Surface anatomy of major nerves, arteries of the limbs
7. Points of palpation of nerves and arteries.

Outcomes:

The students are enabled to learn in detail about the body parts and their anatomy, thereby enabling them to diagnose the affected part with proficiency.





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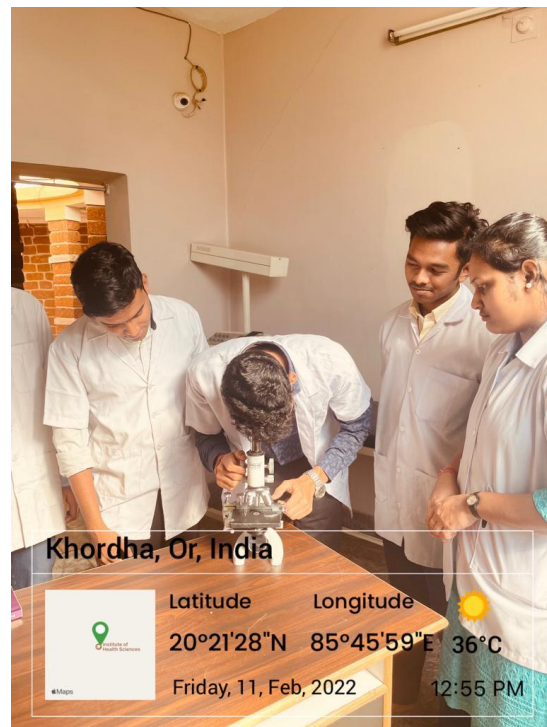
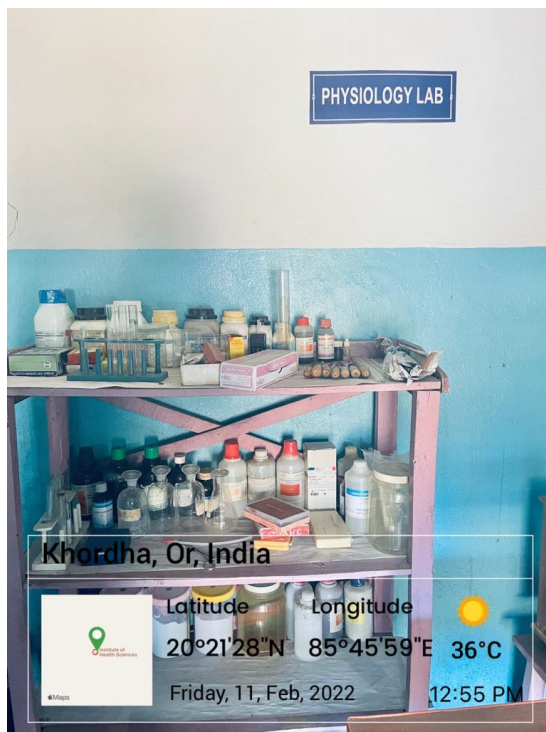
PHYSIOLOGY LAB

Objectives:

1. Examination of pulse, B.P., and Respiratory rate.
2. Reflexes
3. Spirometry to measure various lung capacities & volumes, Respiratory rate, Tidal volume, IRV, IC, ERV, EC, and residual volume on Spirometry.
4. Estimation of Haemoglobin, R.B.C., W.B.C., TLC, DLC, ESR count.
5. Blood indices, Blood grouping, Bleeding & Clotting time.

Outcomes:

The students lead with better clarity of all the physiological processes and the abnormalities associated with it leading to a disorder/disease and the parameter associated with it.





PHYSIOTHERAPEUTIC LAB:

Objectives:

This lab focuses on imparting students with in-depth knowledge of various electro-modalities and exercises and their equipment. Here we cater to various approaches and assessments of various disorders. Further here they are taught focused on these points:

Exercise therapy:

1. Goniometry – measurement of joint ROM.
2. Identify muscle work of various movements in the body at different angles. Identify normal and abnormal posture.
3. Normal gait with its parameters and abnormal gait with the problems in it and its training and aids used.
4. Starting positions and derived positions.
5. Range of motion (PROM, AROM, AAROM) exercises to all joints.
6. Suspension exercise to all major joints.
7. Massage – upper limb, lower limb, back, and face.
8. Manual muscle testing of individual muscles.
9. Coordination exercises, and balancing exercises.
10. Joint Mobilization to the individual joint.
11. Stretching of individual and group muscles.
12. PNF patterns to the upper and lower limb.
13. Various types of breathing exercises, chest mobilization exercises postural drainage.

Electrotherapy:

1. Identify basic electrical components in electrotherapeutic equipment.
2. Reading medical records, and identifying indications and contraindications for electrotherapy. Stimulation of motor points, stimulation of individual muscle and group muscle.
3. Application of Ultrasound for different regions-various methods of application.
4. Demonstrate treatment techniques using SWD, IRR, and Microwave diathermy.
5. Demonstrate the technique of UVR exposure for various conditions – calculation of test dose.
6. Calculation of dosage and technique of application of LASER.
7. Technique of treatment and application of hydrocollator packs, cryotherapy, contrast bath, and wax therapy.



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Outcomes:

The students get well versed with the instrument, various techniques, and approaches and further can diagnose a patient with proper assessment and appropriate diagnosis.





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SPEECH LAB:

Objectives:

Speech and Language Assessment and Intervention on Persons with Communication Disorders and how to do diagnosis and treatment for different disorders in clinical practice.

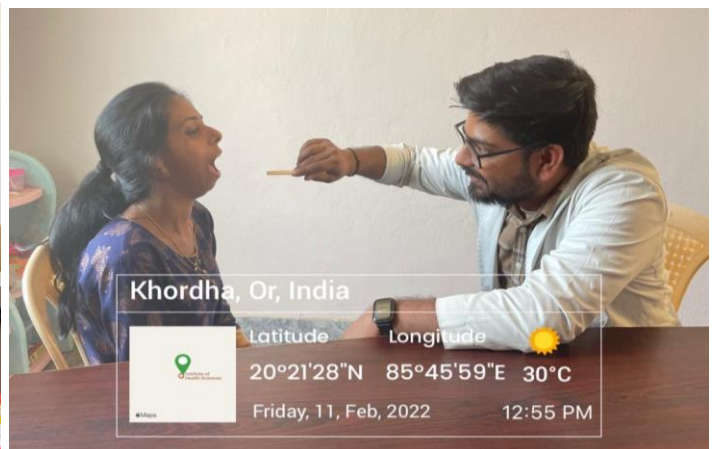
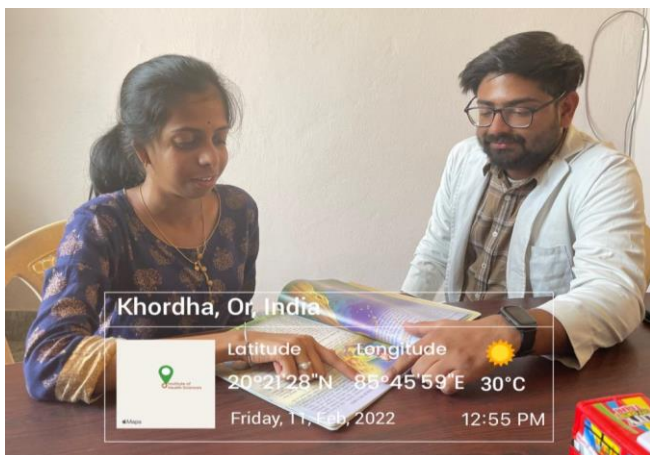
1. Introduction to the diagnostic process.
2. Terminologies in the diagnostic process.
3. General principles for Speech and Language Diagnosis and Therapy.
4. Approaches to Speech and Language Diagnosis and Therapy.
5. Techniques for Speech and Language therapy.

6. Equipment and Devices

- a. Dr Speech
- b. Speech trainer
- c. Endoscope
- d. Spirometer
- e. Praat
- f. Tape recorders
- g. Headphone with microphone with good noise cancellation

Outcomes:

The outcome is to provide a platform for the students to demonstrate a thorough clinical understanding of the diagnostic and rehabilitative protocols in detail.





AUDIOLOGY LAB

In the Department of audiology, students are trained to administer proper assessments and interventions to their respective clients. Each year as a part of the clinical training students:

- Perform a normative assessment of their classmates
- Perform assessments on clients under clinical supervision
- Learn various intervention protocols in a clinical setting and apply them to clients in a clinically supervised setting

Tests that the students learn and administer in a clinical setting range from being as basic as:

- A tuning fork test
- A pure tone audiometry
- Behavioral Observational Audiometry, etc.

Too complex and complicated tests such as

- Oto Acoustic Emissions
- Brainstem Evoked Response Audiometry
- Acoustic Reflex Decay tests, etc.

During the clinical run students also learn to differentially diagnose similar-looking conditions, also they understand which tests are to be administered on a child vs on an adult depending on the condition they have.

In the intervention part, the students are trained in various parameters

- A Hearing aid Selection
- Hearing aid Trial
- Auditory Verbal Therapy
- Programming a hearing aid
- Alternatives to a hearing aid, etc.

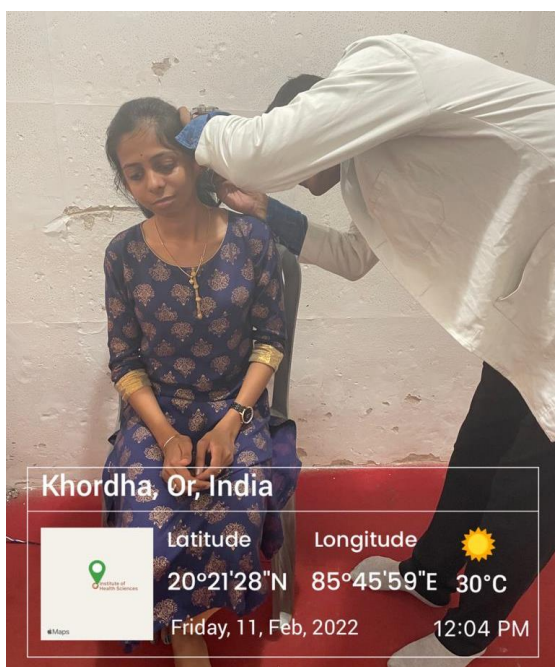
This intense clinical exposure aims to mould an individual into a competent clinician who can confidently cater to the needs of the clients they are working to rehabilitate.



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Khordha, Or, India



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20°21'28"N

Longitude

85°45'59"E



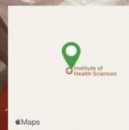
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Khordha, Or, India



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Longitude

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
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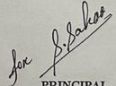
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
Timetable for BASLP Clinics

		INSTITUTE OF HEALTH SCIENCES				w.e.f- 15.3.2022
		BASLP- 4 th SEM (Batch 2020-21)				
		TIME TABLE				
Day	9-10am	10-11am	11am-12pm	12-1pm	1-1:30pm	1:30 - 5:00pm
Monday	DA	MSD	IHD	CLD	L	Clinicals in Audiology & SLP
Tuesday	DA	MSD	IHD	CLD	U	Clinicals in Audiology & SLP
Wednesday	DA	MSD	IHD	CLD	N	Clinicals in Audiology & SLP
Thursday	DA	MSD	IHD	CLD	C	Clinicals in Audiology & SLP
Friday	DA	MSD	IHD	CLD	H	Clinicals in Audiology & SLP
Saturday	DA	MSD	IHD	CLD		Clinicals in Audiology & SLP


B.4.1: MOTOR SPEECH DISORDERS IN CHILDREN: MS. NIHARIKA DASH, MR. NAVEEN SONI
B.4.2: CHILD LANGUAGE DISORDERS: MS. SONAL DANIEL
B.4.3: DIAGNOSTIC AUDIOLOGY- PHYSIOLOGICAL TESTS: MS. SUBHASMITA SAHOO
B.4.4: IMPLANTABLE HEARING DEVICES: MS. MANSHA PARMAR, MR. NAVEEN SONI
B.4.5: CLINICALS IN SPEECH LANGUAGE PATHOLOGY: MS. NIHARIKA DASH
B.4.6: CLINICALS IN AUDIOLOGY: MS. SUBHASMITA SAHOO

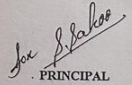

MS. SUBHASMITA SAHOO
Class Teacher


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Principal
Institute of Health Sciences

		INSTITUTE OF HEALTH SCIENCES				w.e.f- 15.3.2022
		BASLP- 6 th SEM (Batch 2019-20)				
		TIME TABLE				
Day	9:00 - 12:30pm	12:30 - 1:00 pm	1-2pm	2-3pm	3-4pm	4-5pm
Monday	Clinicals in Audiology & SLP	L	ARA (NS)	LDA (SD)	MSD	AP
Tuesday	Clinicals in Audiology & SLP	U	ARA (NS)	LDA (SD)	MSD	AP
Wednesday	Clinicals in Audiology & SLP	N	ARA (SS)	LDA (NS)	MSD	AP
Thursday	Clinicals in Audiology & SLP	C	ARA (SS)	LDA (NS)	MSD	AP
Friday	Clinicals in Audiology & SLP	H	ARA (SS)	LDA (SD)	MSD	AP
Saturday	Clinicals in Audiology & SLP		ARA (SS)	LDA (SD)	MSD	AP

B.6.1: MOTOR SPEECH DISORDERS IN ADULTS: MS. NIHARIKA DASH
B.6.2: LANGUAGE DISORDERS IN ADULTS: MS. SONAL DANIEL, MR. NAVEEN SONI
B.6.3: AURAL REHABILITATION IN ADULTS: MS. SUBHASMITA SAHOO, MR. NAVEEN SONI
B.6.4: AUDIOLOGY IN PRACTICE: MS. MANSHA PARMAR
B.6.5: CLINICALS IN SPEECH LANGUAGE PATHOLOGY: MS. SONAL DANIEL
B.6.6: CLINICALS IN AUDIOLOGY: MS. MANSHA PARMAR


MS. SONAL DANIEL
Class Teacher


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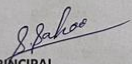
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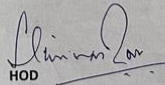
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
Timetable for BPT Clinics

INSTITUTE OF HEALTH SCIENCES							
BPT 6 TH SEMESTER (Batch: 2019-20)							
TIME TABLE							
DAYS	10.00 AM - 11.00 AM	11.00 AM - 12.00 PM	12.00 PM - 12.30 PM	12.30- 1.00pm	1.00PM- 2.00PM	2.00 PM - 3.00 PM	3.00 PM - 4.00 PM
MONDAY	Ortho 2	Clinic	Lunch	Clinic	Clinic	Neurology 2	MMM
TUESDAY	Neuro 1	RC	Lunch	Clinic	Clinic	Psychiatry	Psychiatry
WEDNESDAY	Ortho 2	Library	Lunch	Clinic	Clinic	Neurology 2	PD
THURSDAY	Neuro 1	MMM	Lunch	Clinic	Clinic	Psychiatry	Psychiatry
FRIDAY	Ortho 2	Library	Lunch	Clinic	Clinic	Clinic	Sports
SATURDAY	Neuro 1	JC	Lunch	Clinic	Clinic	Psychiatry	Psychiatry

Orthopaedics-Dr. Niranjan Kar (External), Dr. Priyadarshini Mishra (ortho 2), Prof. SS RAU (Ortho 1)
Neurology: Dr. Smruti Ranjan Nayak (External), Dr. Thandaram Banjara (Neuro 1)
Psychiatry: Dr. Soumya Ranjan Das PD: Mr. Ramakrishna Pattnayak


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Dr. Priyadarshini Mishra
Class Teacher

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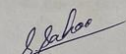
w.e.f- 15.03.2022

BPT 8th SEMESTER (Batch: 2018-19)

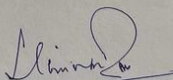
TIME TABLE

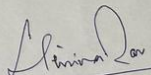
Day	9am-10am	10am-11am	11am-12pm	12pm-12:30pm	12:30pm-1pm	1pm-2pm	2pm-3pm	3pm-4pm	4pm-5pm
Monday	Clinic	Clinic	Clinic	Lunch	Library	Clinical case report writing (CCR)	PT Ortho 1	RC	PT Neuro
Tuesday	Clinic	Clinic	Clinic	Lunch	Library	CCR	PT Ortho 1	PD	PT Neuro
Wednesday	Clinic	Clinic	Clinic	Lunch	Library	CCR	PT Ortho 1	PT Ortho2	PT Neuro
Thursday	Clinic	Clinic	Clinic	Lunch	Library	CCR	PT Ortho 1	PT Ortho2	PT Neuro
Friday	Clinic	Clinic	Clinic	Lunch	Library	CCR	RC	PT Ortho2	PT Neuro
Saturday	CASE PRESENTATION		JC	Lunch	Library	Library	MMM	PT Ortho2	Sports

PT ORTHO- Prof. SS Rau, Dr. Priyadarshini Mishra PT NEURO –Prof. SS Rau, Dr. Thandaram Banjara PD –Mr. Ramakrishna Pattnayak


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Prof. S S Rau
Class Teacher



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Percentage attendance _____																																				
No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Days Present	Attendance of Advance		
1	Akash Swain	1	2	3	4		5	6		7	8	9	10	11	12	13	14	15	16	17																
2	Ankita Routroy	1	2	3	4		5	6		7	8	9	10	11	12	13	14	15	16	17																
3	Anshita Mishra	1	2	3	4		5	6		7	8	9	10	11	12	13	14	15	16	17																
4	Anuraj Kumar	A	A	A	A																															
5	Arinwa Sanku Routroy	1	2	3	4		5	6		7	8	9	10	11	12	13	14	15	16	17																
6	Baishali Mahanta	1	2	3	4		5	6		7	8	9	10	11	12	13	14	15	16	17																
7	Basanta Patra	1	2	3	4		5	6		7	8	9	10	11	12	13	14	15	16	17																
8	Deepti Pradhan	1	2	3	4		5	6		7	8	9	10	11	12	13	14	15	16	17																
9	Dibyanshi Sahu	1	2	3	4		5	6		7	8	9	10	11	12	13	14	15	16	17																
10	Rajal Singh	1	2	3	4		5	6		7	8	9	10	11	12	13	14	15	16	17																
11	Rakesh K. Sahoo	1	2	3	4		5	6		7	8	9	10	11	12	13	14	15	16	17																
12	Saipriya Mishra		1	2	3	4	5	6		7	8		9	10																						
13	Sambit Jena		1	2	3	4	5	6		7	8		9	10																						
14	Sankha Debroy		1	2	3	4	5	6		7	8		9	10																						
15	Sanku Sarangi	A	A	A	A																															
16	Sanya Mahanta	A	A	A	A																															
17	Satyam Bata		1	2	3	4	5	6		7	8		9	10																						
18	Satyamdeep Samanta	A	A	A	A																															
19	Shashibee Jena	A	A	A	A																															
20	Snigdhaarani Behera		1	2	3	4	5	6		7	8		9	10																						
21	Zareen Akhmed	A	A	A	A																															
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Number absent		1	1	1	1	5	5	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

