

(A Unit of Margdarsi)

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### <u>Circular for a Value Added Course on Artificial Intelligence</u>

IHS/VAC/120/22-23

This is to inform all the students of BASLP that a <u>Value Added Course on Artificial</u> <u>Intelligence</u> will be held at <u>Institute of Health Sciences</u>, <u>Chandaka Campus</u>, from <u>31st October 2022– 2<sup>nd</sup> November 2022</u>.

Principal
Institute of Health Sciences
Bhubaneswar

8. Sahoo

**Principal** 

**Institute of Health Sciences** 

CC to:-

Superitendent

Administrative Officer

IQAC Cell

All BASLP Faculties

All Notice Board



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**Course Code: IHS-VAC02-15** 

**Course Artificial Intelligence** 

**Duration: 16 Hrs** 

**Course Objective:** 

### The Participant will be able to understand:

- -Artificial Intelligence (AI)
- -Application of AI in hearing aids
- -Advantages of AI hearing aids

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Topic	Duration
Lecture 1 Introduction and overview Artificial Intelligence	2Hour
Lecture 2 Problem Solving through Artificial Intelligence	2Hour
Lecture 3 Artificial intelligence in our hearing aids	3Hour
Lecture 4 AI and machine learning	1Hour
Lecture 5 Real-life applications of machine learning and AI	1Hour
Lecture 6 AI in the hearing aid industry	1Hour
Lecture 7 Intelligent AI personalization	2Hour
Lecture 8 AI hearing Aids from Widex	3Hour
Lecture 9 Empowering for users through AI hearing aids	1Hour



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### Value Added Course: Artificial Intelligence

### Date - 31st October 2022 - 2nd November 2022

The Program started by an introduction of the resource person Mr. Nagarjun Reddy from *Widex* India. The Resource person gave overview of what is Artificial Intelligence and how it can be used for empowering individual with hearing impairment in the modern world.

### Aim and Objectives of the program

The program was aimed at providing the participants with an in-depth knowledgeof Artificial Intelligence (AI) and its application in

The Participants after this program will be able to understand:

- Artificial Intelligence (AI)
- Application of AI in hearing aids
- Advantages of AI hearing aids

#### **Topics Covered:**

**Lecture 1 Introduction and overview Artificial Intelligence** 

**Lecture 2** Problem Solving through Artificial Intelligence

Lecture 3 Artificial intelligence in our hearing aids

Lecture 4 AI and machine learning

Lecture 5 Real-life applications of machine learning and AI

Lecture 6 AI in the hearing aid industry

Lecture 7 Intelligent AI personalization Lecture 8 AI hearing Aids from Widex



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IHS/VAC/ 121/22-23

# <u>Circular for a Value Added Course on Endoscopic Evaluation (Hands-on training)</u>

This is to inform all the students of BASLP that a <u>Value Added Course on Endoscopic</u> <u>Evaluation (Hands-on training)</u> will be organized at Institute of Health Sciences, Chandaka Campus, from 14<sup>th</sup> to 16<sup>th</sup> November 2022.

Principal Institute of Health Sciences Bhubaneswar

Sahoo

**Principal** 

**Institute of Health Sciences** 

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Course Code: IHS-VAC03-15

<u>Course:</u> <u>Endoscopic Evaluation (Hands-on training) Program Duration: 15 Hrs</u>

**Course Objectives:** 

The participants after this course will be able to

Understand the instrumental evaluation using endoscopes.

Understand the benefits of oto-endoscope over manual otoscope.

Hands-on experience with endoscope

Topic	Duration
Lecture 1 Introduction to	2 Hour
Instrumental evaluation	
Lecture 2 Anatomical structures	2 Hour
and physiology in Normal individual	
Lecture 3 Anatomical	2 Hour
structures in pathological	
conditions	
Lecture 4 Instrumental evaluation	2 Hour
using endoscopy	
Lecture 5 Various types and	1 Hour
models of endoscope	
Lecture 6 Procedure for	1 Hour
administering endoscope	
Lecture 7 Cleaning procedures	2 Hour
Lecture 8 Hands-on experience	3 Hour





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Value Added Course: Endoscopic Evaluation (Hands-on training)

Date: 14th to 16th November 2022

The Program started with an introduction of Dr. Srinivas Dorasala, ENT specialist, Founder, and Director of CYCLOPS pvt. ltd. and his co-workers.

The Resource person explained the advantages of instrumental evaluation and instructed the procedure of it. Endoscopes from Serwell Medi-equip private limited company were used in this workshop.

### Aim and Objectives of the program

The aim of the program was to provide the participants with an in-depth knowledge dinstrumental evaluation using endoscope and provide the time of a pandemic.

The Objectives of the program were as follows:

- Explaining the instrumental evaluation using endoscopes.
- Explaining the benefits of oto-endoscope over manual endoscope.
- Giving hands-on experience to the students.

The participants gained knowledge about instrumental evaluation using endoscopy. They learned about the anatomical structures and a few pathological conditions. They learned about different scopes (0 and 70 degrees) and their use. They learned the procedure for administering an endoscope. They learned how to operate and handle it. They learned the cleaning procedures of the scope to control the spread of infection from one person to another.

#### **Topics Covered:**

Lecture 1 Introduction to Instrumental evaluation

Lecture 2 Anatomical structures and physiology in Normal individual

Lecture 3 Anatomical structures in pathological conditions

Lecture 4 Instrumental evaluation using endoscopy

Lecture 5 Various types and models of endoscope

Lecture 6 Procedure for administering endoscope

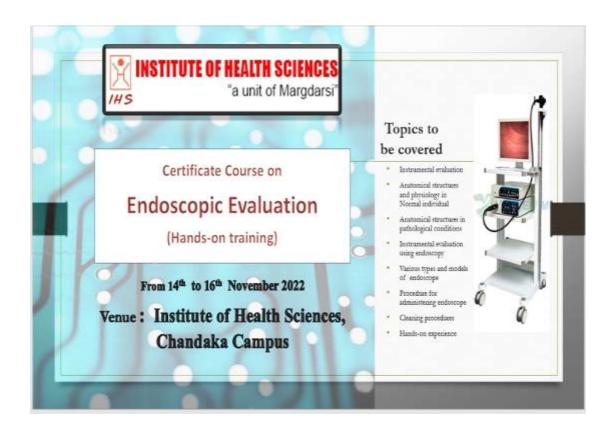
Lecture 7 Cleaning procedures

Lecture 8 Hands On Experience



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### <u>Circular for a Value Added Course on Videonystagmography (Hands-on training)</u>

IHS/VAC/ 122/22-23

This is to inform all the students of BASLP that a <u>Value Added Course on</u> <u>Videonystagmography</u> (Hands-on training) will be organized at Institute of Health Sciences, Chandaka Campus, from 17<sup>th</sup> to 19<sup>th</sup> November 2022

Principal

Institute of Health Sciences Bhubaneswar

**Principal** 

**Institute of Health Sciences** 

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Course Code: IHS-VAC04-15

Course: Videonystagmography (Hands-on training)

Program Duration: 16Hrs

#### Course Objectives:

The participants after this course will be able to

- -Understand the VNG and its procedures.
- -Understand the tracing of VNG and interpretation of it.
- -Hands-on experience to the students

Topic	Duration
Lecture 1 Basics of Videonystagmography eye	2 Hour
movement recording, patient management,	
pretest examinations	
Lecture 2 Recognizing artifacts and calibration	2 Hour
Lecture 3 Recording and analyze the results	2 Hour
Lecture 4 Understanding Jerky nystagmus	2 Hour
Lecture 5 Performing positional testing	2 Hour
Lecture 6 Tracking and o Oculomotor tests (saccade, tracking, optokinetic), gaze test, static position test	2 Hour
Lecture 7 Diagnosing peripheral vestibular	2 Hour
disorder	
Lecture 8 Otolith test in VNG	2 Hour



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Value Added Course: "Videonystagmography (Hands-on training)"

Date: 17th to 19th November 2022

The Program started by invoking the blessings of God through a lightning the lampceremony by Principal I.H.S., and the dignitaries, and a devotional song.

The Program started with an introduction of Dr. Srinivas Dorasala, ENT specialist, Founder, and Director of CYCLOPS pvt. ltd. and his co-workers.

The Resource person explained the advantages of VNG and instructed the procedure of it. VNG from Cyclops company was used in this workshop.

### Aim and Objectives of the program

The aim of the program was to provide the participants with an in-depth knowledge of instrumental evaluation using endoscope and provide the time of a pandemic.

The Objectives of the program were as follows:

- -Explaining the VNG and its procedures.
- -Explaining the tracing of VNG and interpretation of it.
- -Giving hands-on experience to the students.

### **Topics Covered:**

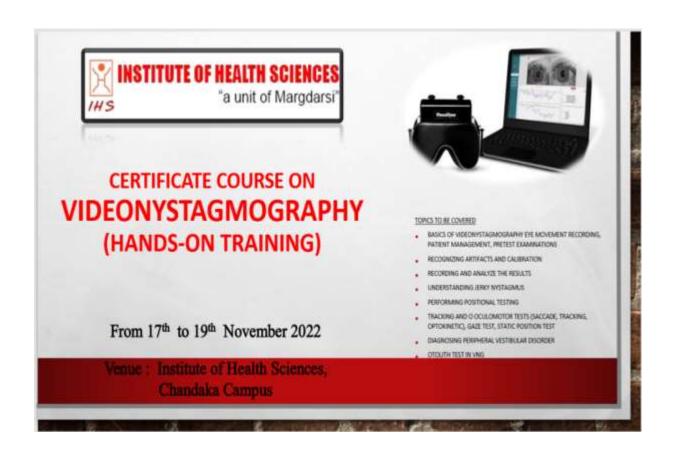
- Lecture 1 Basics of Videonystagmography eye movement recording, patient management, pretest examinations
- Lecture 2 Recognizing artifacts and calibration
- Lecture 3 Recording and analyze the results
- Lecture 4 Understanding Jerky nystagmus
- Lecture 5 Performing positional testing
- Lecture 6 Tracking and o Oculomotor tests (saccade, tracking, optokinetic), gaze test, static position test
- Lecture 7 Diagnosing peripheral vestibular disorder
- Lecture 8 Otolith test in VNG





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### Circular for a Value Added Course on Phonological Awareness

IHS/VAC/ 123/22-23

This is to inform all the students of BASLP that a <u>Value Added Course on Phonological</u> <u>Awareness</u> will be organized at Institute of Health Sciences, Chandaka Campus, from 25<sup>th</sup> to 28<sup>th</sup> March 2023.

Principal Institute of Health Sciences Bhubaneswar

**Principal** 

**Institute of Health Sciences** 

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Course Code: IHS-VAC05-15

Course: Phonological Awareness Program Duration: 15Hrs

**Course Objectives:** 

The participants after this course will be able to

Understand the Phonological development.

Identify Phonological disorder in children.

Understand Evidence Based Intervention Approaches

Topic	Duration
Lecture 1 Brief introduction of Phonological	2 Hour
development	
Lecture 2 Phonological processes in typically developed children	1 Hour
Lecture 3 Phonological awareness in	1 Hour
children	
Lecture 4 Phonological disorder in children	2 Hour
Lecture 5 Role of speech language pathologist in	2 Hour
intervention	
Lecture 6 Intervention for preschool children	2 Hour
Lecture 7 Role of family in intervention	1 Hour
Lecture 8 Adapting intervention approaches to individuals from culturally and linguistically diverse backgrounds	2 Hour
Lecture 9 Post Training Test & Feedback	2 Hour



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### **Value Added Course: Phonological Awareness**

Date: 25th to 28th March 2023

The Program started with an introduction of Speech Language Pathologist; Director, Sachetataa.

She is a trained Speech Langauge pathologist cum Audiologist who hails from an Army background and is shouldering this mammoth responsibility to create awareness and acceptance of disability and disorders.

### Aim and Objectives of the program

The aim of the program was to provide the participants with an in-depth knowledge of phonological awareness and phonological disorder.

The Objectives of the program were as follows:

- -Understand the Phonological development.
- -Identify Phonological disorder in children.
- -Understand Evidence based Intervention approaches

#### **Topics Covered:**

Lecture 1 Brief introduction of Phonological development

Lecture 2 Phonological processes in typically developed children

Lecture 3 Phonological awareness in children

Lecture 4 Phonological disorder in children

Lecture 5 Role of speech language pathologist in intervention

Lecture 6 Intervention for preschool children

Lecture 7 Role of family in intervention

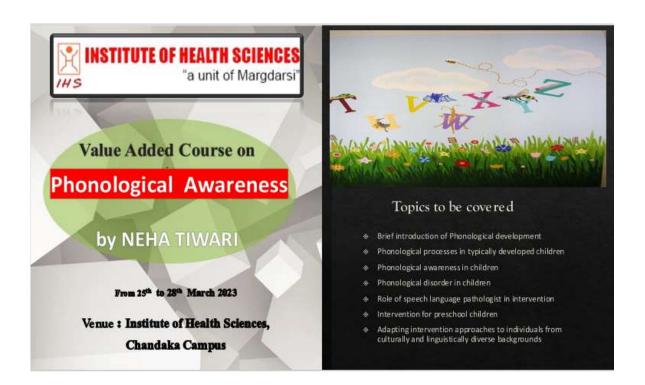
Lecture 8 Adapting intervention approaches to individuals from culturally and linguistically diverse backgrounds





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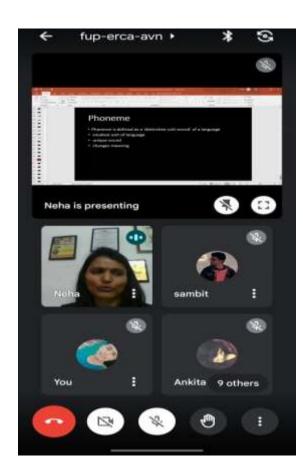


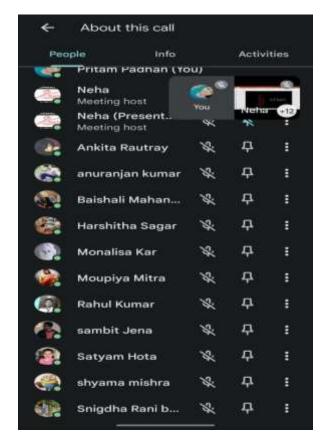




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### Circular for a Value Added Course on Integrated manual therapy

IHS/VAC/ 124/22-23

This is to inform all the students of BASLP that a <u>Value Added Course on Integrated</u> <u>manual therapy</u> will be organized at Institute of Health Sciences, Chandaka Campus, from 16<sup>th</sup> to 17<sup>th</sup> November 2022.

Principal Institute of Health Sciences Bhubaneswar

**Principal** 

**Institute of Health Sciences** 

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Course Code: IHS-VAC07-15

<u>Course: Integrated manual therapy</u> <u>Program Duration: 10Hrs</u>

**Course Objectives:** 

The participants after this course will be able to

- -Understand the Integrated manual therapy.
- -Understand Sacro-Illiac Joint and biomechanics.
- -Hands on HVLAT of LS spine

Topic	Duration
Lecture 1 Introduction to Manual Therapy	1 Hour
Lecture 2 Understanding the biomechanics of SIJ	1 Hour
Lecture 3 Detailing About Kinetic Chain involved	2 Hour
Lecture 4 Screening the SIJ using Various Movement Analysis	1 Hour
Lecture 5 Introduction to various soft tissue Manipulation	2 Hour
Lecture 6 Hands on HVLAT of LS spine	1 Hour
Lecture 7 Use of Various soft tissue Manipulation Technique	2 Hour
Lecture 8 Hands on Approach	1 Hour
Post Training Test & Feedback and review	1 hour



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Value Added Course: "Integrated manual therapy"

Date: 16th to 17th November 2022

The Program started by invoking the blessings of God through a lightning the lampceremony by Principal I.H.S., and the dignitaries, and a devotional song.

The Program started with an introduction of Dr. Harihara Prakash, Professor and Principal, KM Patel Institute of Physiotherapy, Karamsad. Anand, Gujarat. The Resource person gave overview of what is Integrated manual therapy and its rational with respective to systems of the body.

### Aim and Objectives of the program

The aim of the program was to provide the participants with an in-depth knowledge of Integrated manual therapy and how this rehabilitation approach works with all of the systems of the body.

The Objectives of the program were as follows:

- -Understand the Integrated manual therapy.
- -Understand Sacro-Illiac Joint and biomechanics.
- -Hands on HVLAT of LS spine

### **Topics Covered:**

Lecture 1 Introduction to Manual Therapy

Lecture 2 Understanding the biomechanics of SIJ

Lecture 3 Detailing About Kinetic Chain involved

Lecture 4 Screening the SIJ using Various Movement Analysis

Lecture 5 Introduction to various soft tissue Manipulation

Lecture 6 Hands on HVLAT of LS spine

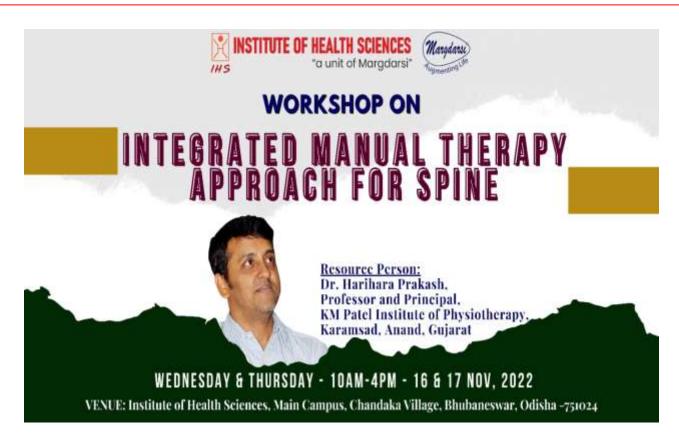
Lecture 7 Use of Various soft tissue Manipulation Technique

Lecture 8 Hands on Approach



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