



YENEPOYA

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956

Accredited by NAAC with 'A' Grade

Details of the Collaborative Activities under Functional MoUs / Linkages

Collaborating Institute: Cyclops Medtech Pvt Ltd, Bangalore.

Year of MoU: 2020

Activities:

Certificate Course: Industry -Academia linkage

Department of Otorhinolaryngology, Yenepoya Medical College in collaboration with Cyclops Medtech Pvt Ltd, Bangalore offers “Certificate Course in Assessment and Management of Vestibular Disorders” of 10 weeks.

This course includes both theory and practical classes. Hands on sessions are conducted at the Comprehensive Clinical Training and Simulation Center-ACTS YEN. A total of 19 participants were benefitted from this course. Cyclops is the Industrial Partner for the course

ATTESTED

Dr. Mangadhara Somayaji K S
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore 575 018, Karnataka.

Dizziness is one of the commonest problems among patients who seek primary health care. The prevalence of dizziness among the general population is estimated to be over 5%. There is a shortage of trained vestibular specialist to evaluate and manage these patients who present with dizziness/vertigo. A certificate course in assessment and management of vestibular disorders was conducted by the Department of Otorhinolaryngology in association with Cyclops Medtech, Bangalore. Although the course was planned to be conducted offline, due to the Covid 19 pandemic the course could not be commenced as planned in the month of April 2020.

The course was commenced online on 2nd September 2020. The classes were conducted every weekend for 10 weeks as per the schedule below:

Certificate Course in Assessment and Management of Vestibular Disorders		
Timetable for Online Classes		
Date	Topic	Duration
2nd September 2020	Orientation and Introduction; Overview of course objectives; Introduction to Vestibular laboratory	2 hours
5th September 2020	Anatomy of the Ear; Anatomy of the Vestibular system; Anatomy of the vestibular ocular connections	2.5 hours
6th September 2020	Anatomy Continuation; Anatomy of the Vestibular spinal system; Neuro-anatomy of various ocular motor and vestibular pathways	2 hours
12th September 2020	Basic Physiology; Basic concepts in Vestibular functioning; Ocular vestibular functioning and Nystagmus; Vestibular spinal functioning and sway	2.5 hours
13th September 2020	Physiology Continuation; Neurological physiology; Rehabilitation physiology	2 hours
19th September 2020	Clinical Evaluation (History)	2.5 hours
20th September 2020	Clinical Evaluation Continuation	2.5 hours
26th September 2020	Clinical Evaluation (Physical Examination)	2.5 hours

ATTESTED

27th September 2020	Clinical Evaluation (Physical Examination Continuation)	2.5 hours
03rd October 2020	Posturally Induced Vertigo	2 hours
04th October 2020	Posturally Induced Vertigo Continuation	2 hours
10th October 2020	Videonystagmography	2.5 hours
11th October 2020	Videonystagmography Continuation	2.5 hours
17th October 2020	Case Studies on Index Vestibular Diagnosis	2.5 hours
24th October 2020	Vestibular Rehabilitation	2 hours
25th October 2020	Vestibular Rehabilitation Continuation	2 hours
31st October 2020	Investigations	2 hours
1st November 2020	Investigations Continuation	2 hours
7th November 2020	Computerized Dynamic Posturography	2 hours
8th November 2020	Nystagmus	2.5 hours
TOTAL		45 hours

Feedback was obtained from participants at the end of every online class. The participants were given quizzes and assignments at the end of every online session. They were asked to submit video recordings of all clinical evaluation techniques and maneuvers to be performed for evaluation of a patient. Apart from this, interactions were continued on the whatsapp group of participants and faculty where doubts were clarified and interesting cases were discussed.

The hands on sessions had to be deferred twice due to the second wave of the pandemic. The hands on sessions were held from 2nd to 4th August 2021. Of the 18 participants who had attended the online sessions, 15 attended the hands on sessions. The hands on sessions were conducted at the Advanced Comprehensive Clinical Training and Simulation Center - ACTS YEN. The participants were given practical training in the following:


ATTESTED
Dr. Gangadhara Somayaji K S
 Registrar
 Yenepoya (Deemed to be University)
 University Road, Deralakatte
 Mangalore 575 018, Karnataka.


1.	Positional tests and therapeutic manoeuvres
2.	Videonystagmography (VNG)
3.	Video Head Impulse Test (vHIT)
4.	Vestibular Evoked Myogenic Potentials (VEMP)
5.	Dynamic Visual Acuity (DVA)
6.	Vestibular Rehabilitation Therapy (VRT)
7.	Virtual Reality Based Vestibular Rehabilitation Therapy (VRT)

Assessment of participants was conducted as mentioned below:

Procedural skills	50 marks
Vivavoce	50 marks
Multiple Choice Questions	100 marks
Total	200 marks

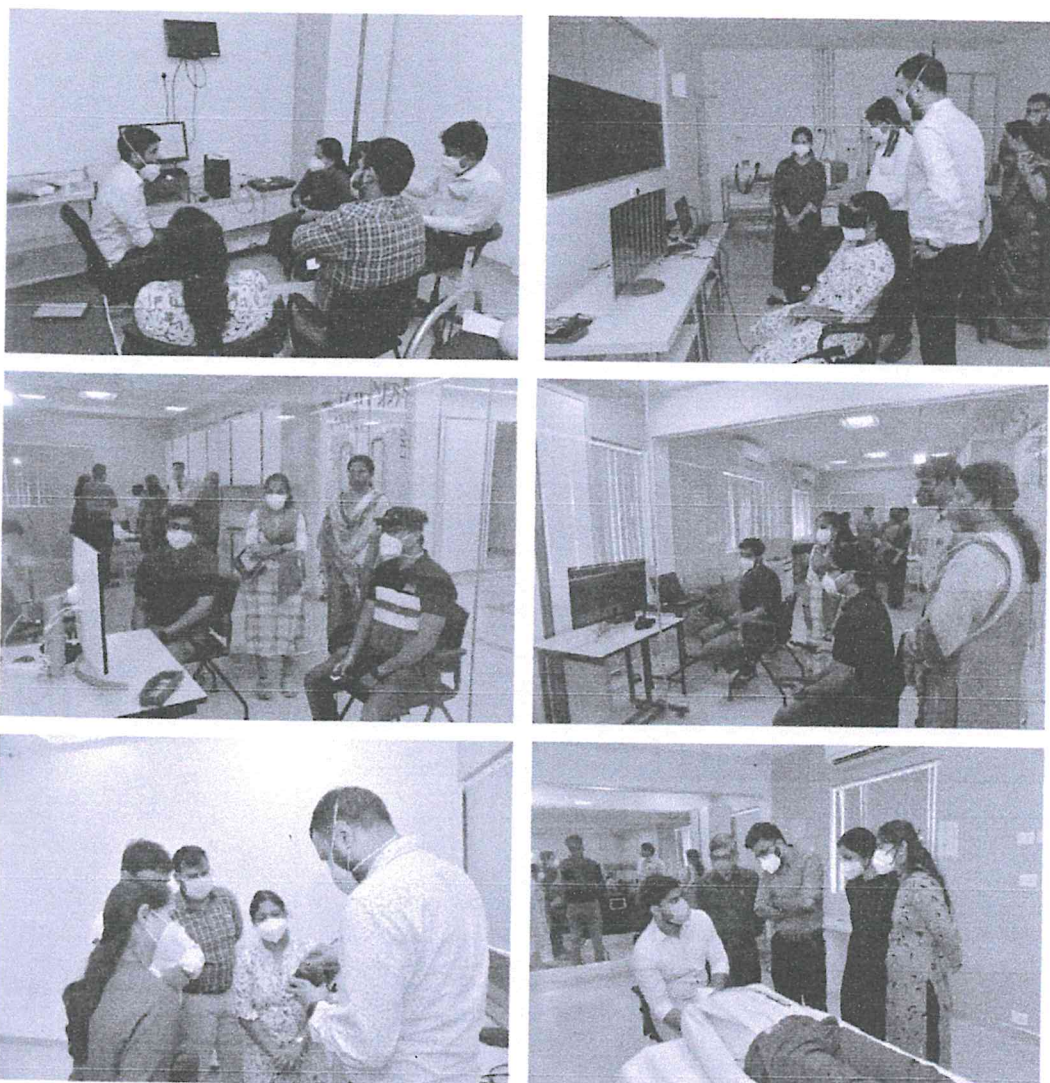
The faculty members who facilitated the conduct of course and assessment of participants are:

Dr. Srinivas Dorasala	Founder Cyclops Medtech, Bangalore
Dr. Pradeep Vundavalli	Consultant Otorhinolaryngologist, Vishakhapatnam
Dr. Prateek Porwal	Otorhinolaryngologist and Vestibular Specialist, Cyclops Medtech, Bangalore
Mr. Ananthu VR	Audiologist and Speech Language pathologist, Cyclops Medtech, Bangalore
Mr. Srikanth	Audiologist and Speech Language pathologist, Yenepoya Medical College, Mangalore
Dr. Vijayalakshmi Subramaniam	Professor & Head, Dept of ORL, Yenepoya Medical College, Mangalore
Dr. Sai Manohar	Additional Professor, Dept of ORL, Yenepoya Medical College, Mangalore

ATTESTED

Dr. Gangadhara Somayaji K S
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore 575 018, Karnataka

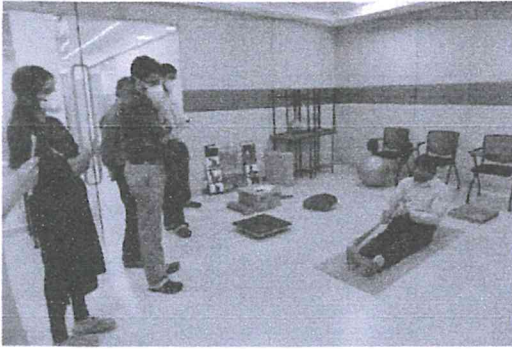
A valedictory ceremony was conducted on 4th July 2021. Certificates were awarded to all the participants on successful completion of the course. The Hon'ble Vice chancellor of Yenepoya (Deemed to be University) Dr. M Vijayakumar distributed the certificates. Dr. Gangadhara Somayaji, Registrar, Yenepoya (Deemed to be University) and Dr. Aswini Dutt, Associate Dean (Academics), Yenepoya Medical College were present.

Photographs of hands on sessions



ATTESTED


Dr. Gangadhara Somayaji K S
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore 575 018, Karnataka.



Assessment



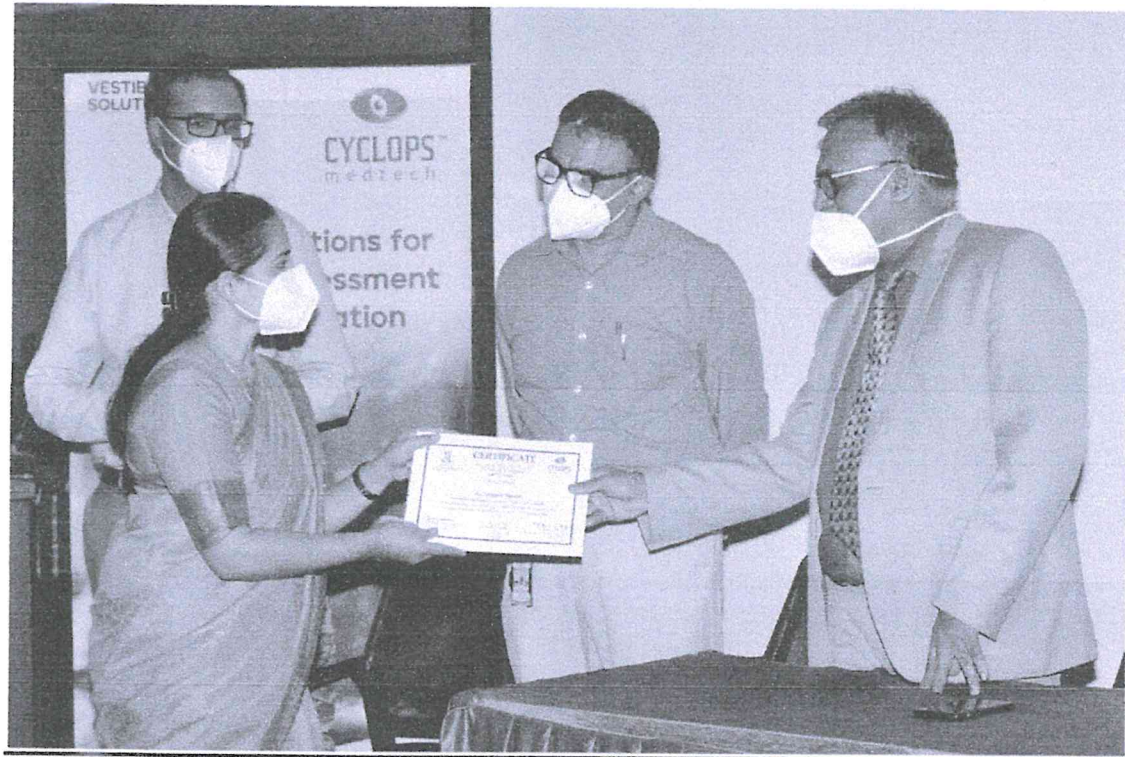
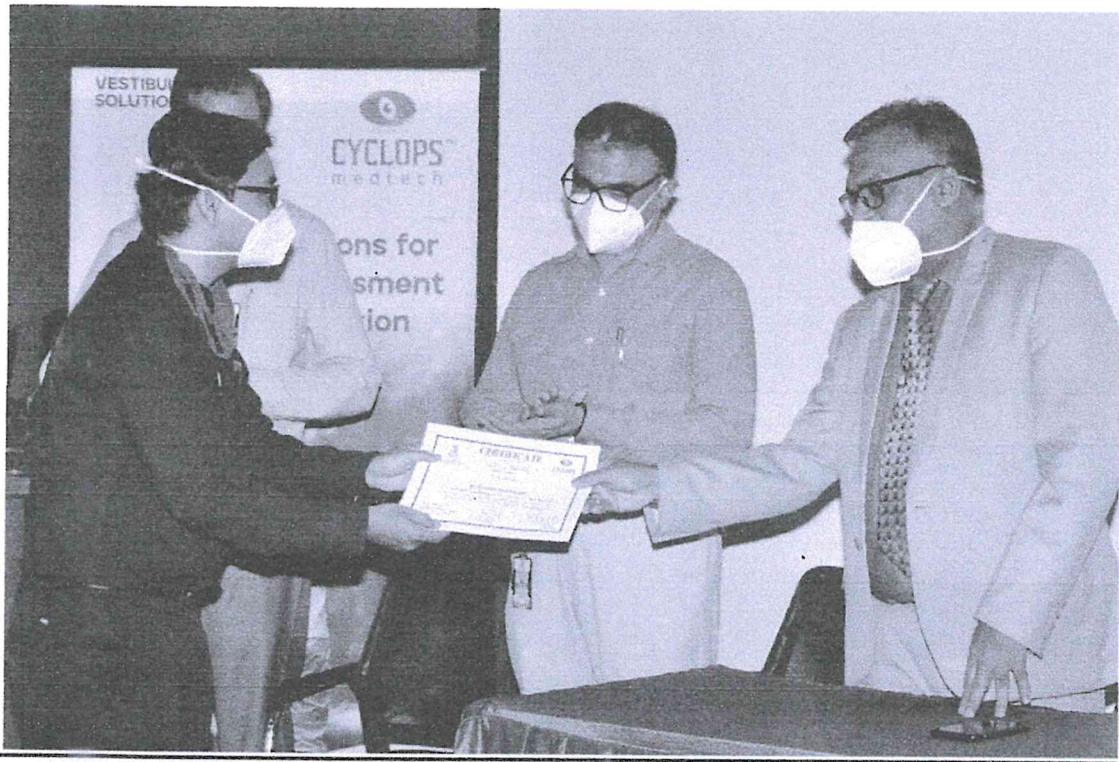
ATTESTED


Dr. Mangadhara Somayaji K S
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore 575 016, Karnataka.

Valedictory Ceremony



ATTESTED



ATTESTED

Feedback on the hands on sessions was taken from the participants. The analysis of the feedback is depicted in the graphs below:

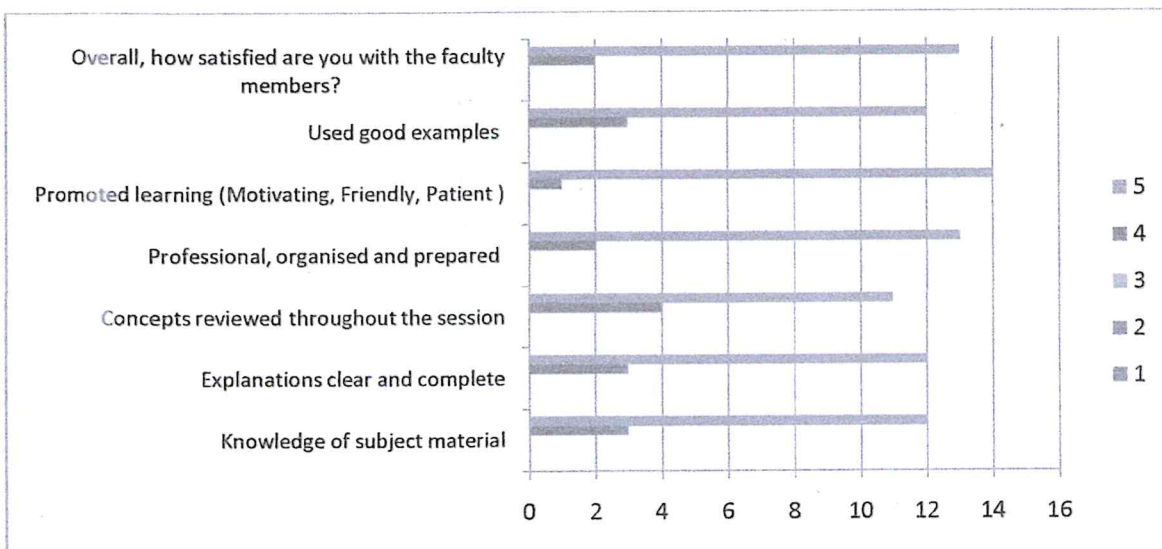


Figure 1 Feedback on the faculty

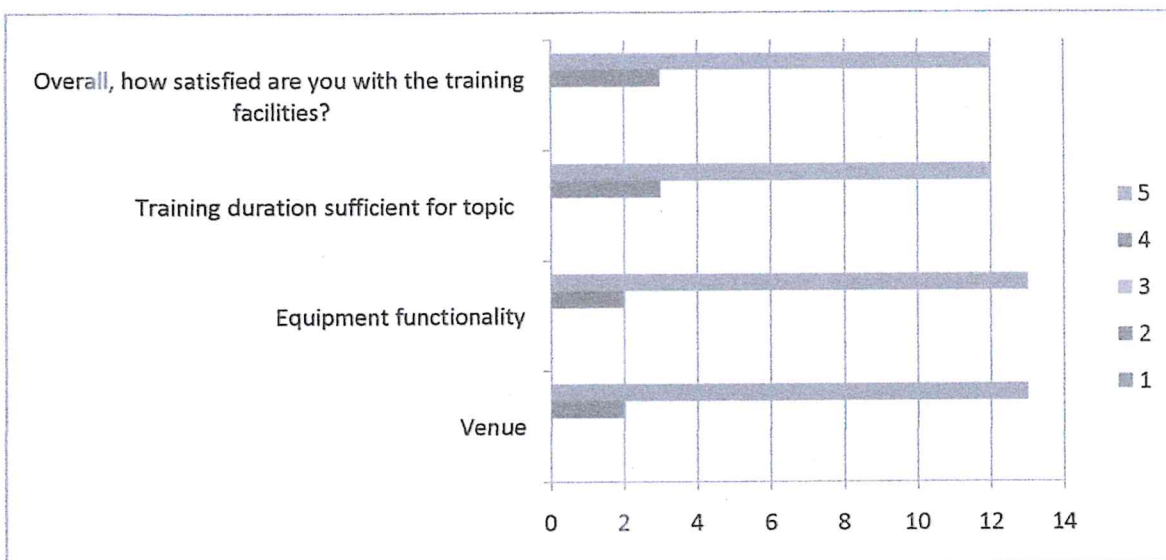


Figure 2 Feedback regarding training facilities

ATTESTED

Dr. Mangadhara Somayaji K S
 Registrar
 Yenepoya (Deemed to be University)
 University Road, Derlakatte
 Mangalore 575 018, Karnataka.

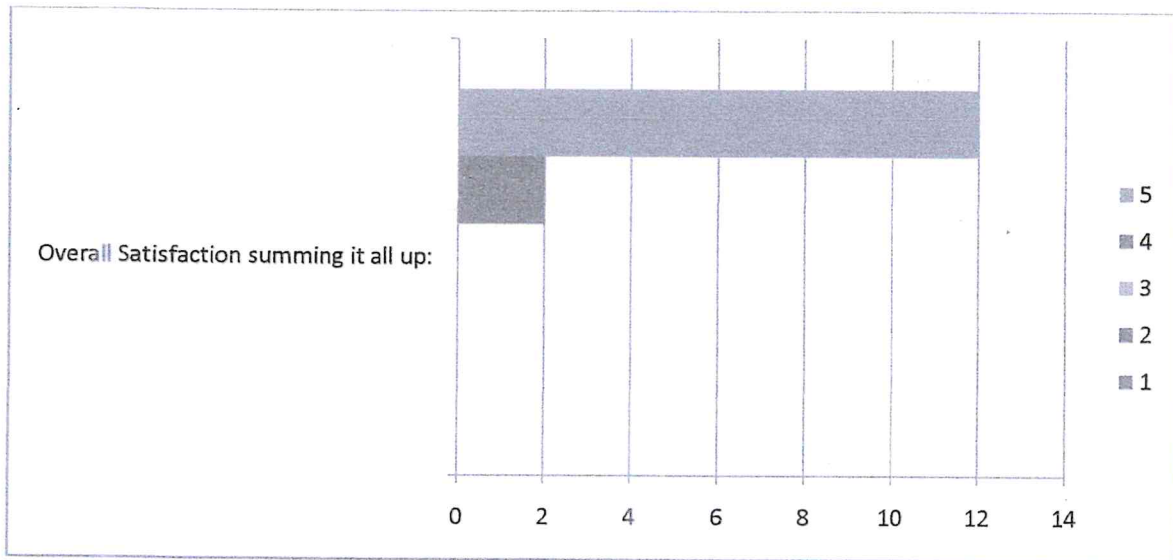


Figure 3. Overall satisfaction of participants

The following is the participants' evaluation of the program:

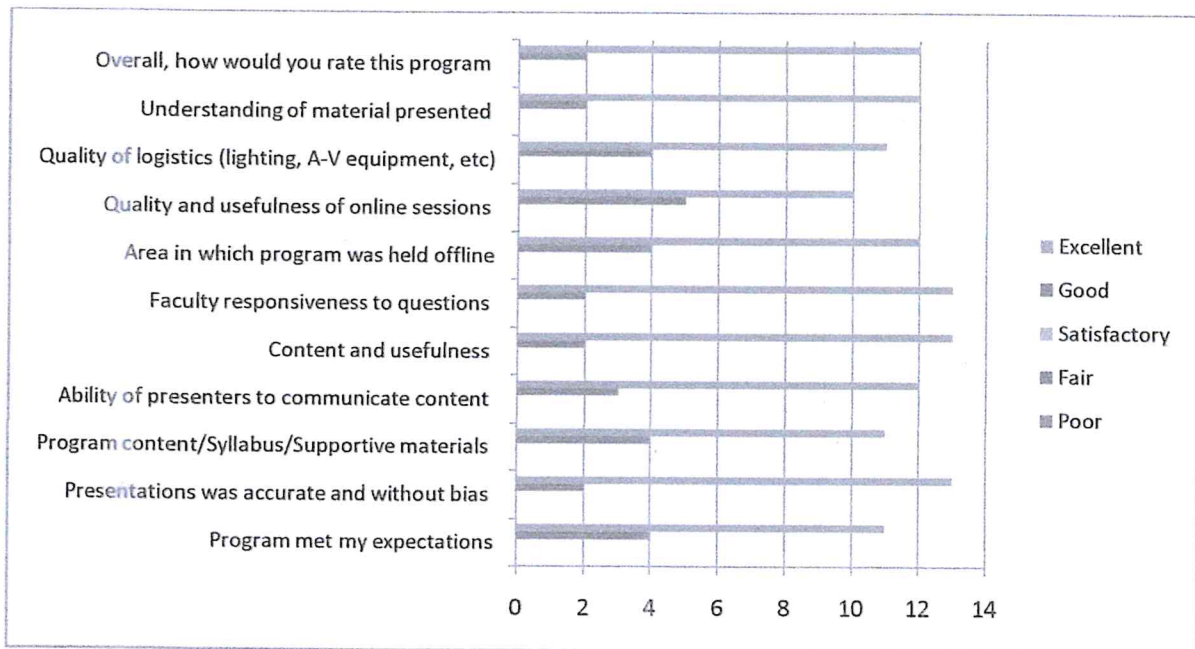


Figure 4 Program Evaluation

ATTESTED

[Signature]

Dr. Mangadhara Somayaji K S
Registrar
Yenepoya (Deemed to be University)
University Road, Doralakatte
Mangalore 575 018, Karnataka.

Some of the suggestions received from participants are highlighted below:

1. The course to be continued in hybrid mode with the theory component online and the practical session offline.
2. Current mode of online weekend class with hands on should be continued
3. It could be more good if demonstration with patient is included in future (once covid pandemic is over)
4. More time for hands on sessions
5. Technical issues with vHIT to be sorted to allow for hands on practice
6. More discussion and hands on training in VRT
7. Exclusive session to discuss challenging /difficult cases
8. To give handouts/pdfs of approach to bucket category, history and examination proforma
9. May be we can have an advanced program in future

Encl:

1. Participants list
2. Marks Sheet

Vijayalakshmi S
DR. VIJAYALAKSHMI SUBRAMANIAM
Professor & Head, ORL, YMC

Professor & HOD
Department of ENT
Yenepoya Medical College
Deralakatte, Mangalore-18

ATTESTED

[Signature]
Dr. Gangadhara Somayaji KS
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore 575 018, Karnataka.

	Name	Specialization
VAC001	Akil Abdul	Audiology
VAC002	Anoopa Joseph	Audiology
VAC003	Anju M S	ENT
VAC004	Arup Nandan Das Adhikari	Audiology
VAC005	Arifa K A	ENT (PG Student)
VAC006	Ayshath Irfana	ENT
VAC007	Frankie Jose	ENT
VAC008	Fousiya M	ENT (PG Student)
VAC009	Kamal Pandyan	ENT
VAC010	Kaustubh Vijay Sarvade	ENT
VAC011	Kreeti Gupta	Audiology
VAC012	Rahul K	ENT (PG Student)
VAC013	Sajal Kanti Swarnakar	Audiology
VAC014	Saurabh Jain	ENT
VAC015	Sheetal Rai	ENT
VAC016	Soumya V Chandu	ENT
VAC017	Swapnil bhojar	ENT
VAC018	Tharakeshwari V Shetty	ENT
VAC019	Prem Narain	ENT

ATTESTED

Dr. Gangadhara Somayaji K S
Registrar
Yenepoya (Deemed to be University)
University Road, Derlakatte
Mangalore 575 018, Karnataka.

Dr. Vijayalakshmi Subramaniam
Professor & HOD
Department of ENT
Yenepoya Medical College
Derlakatte, Mangalore-18

Certificate Course in Assessment and Management of Vestibular Disorders

Batch 1

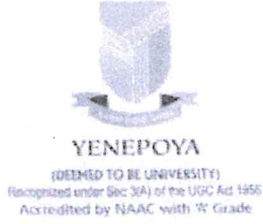
Final Mark Sheet

Sr. no	Roll no	Name	Skills (25)	Skills (25)	Vivavoce (50)	MCQs (100)	Total (200)	
1	VAC001	Akil Abdul	18	23	37.5	64	142.5	
2	VAC002	Anupa	20	22	40	92	174	
3	VAC003	Anju	25	25	37.5	100	187.5	
4	VAC004	Arup Nandan Das Adhikari	25	25	35	100	185	
5	VAC005	Arifa	ABSENT					
6	VAC006	Ayshath Irfana	25	22	37.5	92	176.5	
7	VAC007	Frankie Jose	25	25	40	100	190	
8	VAC008	Fousiya	ABSENT					
9	VAC009	Kamal Pandyan	25	25	42.5	96	188.5	
10	VAC010	Koustubh Sarvade	25	22	42.5	96	185.5	
11	VAC011	Kreeti Gupta	19	22	35	80	156	
12	VAC012	Rahul K	21	25	37.5	96	179.5	
13	VAC013	Sajal Kanti Swarnakar	23	24	37.5	100	184.5	
14	VAC014	Sourabh Jain	23	25	45	92	185	
15	VAC015	Sheetal Rai	25	25	42.5	100	192.5	
16	VAC016	Soumya V Chandu	25	25	40	100	190	
17	VAC017	Swapnil Bhoyar	ABSENT					
18	VAC018	Tharakeshwari Shetty	25	25	40	96	186	

ATTESTED

Dr. Gangadhara Somayaji K S
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575 018, Karnataka.

Dr. Vijayalakshmi Subramaniam
Department of ENT
Yenepoya Medical College
Deralakatte, Mangalore-18



Office of the Registrar
University Road
Deralakatte
Mangalore - 575018
Ph: 0824-2204667/68/69/71

Ref: No. Y/REG/ACA/39-ACM/2020

01.09.2020

NOTIFICATION – 39-ACM/01(B)/2020 dtd. 01.09.2020

Sub: Starting of Certificate Course in Assessment of Vestibular Functions-for
Audio Vestibular Specialists and Rehabilitation Specialists

Ref: Resolution of the Academic Council at its 39th meeting held on 27.08.2020
vide agenda - 3

The Academic Council at its 39th meeting held on 27.08.2020 & subsequently the Board of Management at its 50th meeting held on 28.08.2020 have resolved to approve the proposal to start the Certificate Course in Assessment of Vestibular Functions - for Audio Vestibular Specialists and Rehabilitation Specialists.

This notification is issued for implementation with effect from the academic year 2020-2021.

REGISTRAR
mj

To:

The Principal - YMC

Copy to:

1. Controller of Examinations
2. Professor & HoD, Department of E.N.T.
3. File copy

ATTESTED

Dr. Mangadhara Somayaji KS
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore 575 018, Karnataka.