

RESEARCH

The institute promotes research related to communication and its disorders. Special emphasis is given to clinically relevant applied research on causes, control and prevention of communication disorders, assessment and treatment issues as well as the testing and refinement of new technologies for the speech and hearing impairment. Major research activities carried out at the institute during the reporting year are given below.

Funded Research Projects

The research projects include extramural and those funded by the institute from the AIISH Research Fund (ARF). Extramural research projects were funded by the Department of Science and Technology (DST), Indian Council of Medical Research (ICMR), Science and Engineering Research Board (SERB), the Government of India funding agencies and UK Research and Innovation (UKRI), Global Alliance for Chronic Disease (GACD), University of Manchester, U.K. and United Nations Global Partnership for Assistive Technology, Geneva, the international funding agencies.

Completed Projects

Nineteen research projects worth **Rs. 108.77 lakhs** were successfully completed during the reporting year. Of these, two projects worth **Rs. 11.39 lakhs** were funded by extramural funding agencies and the remaining by the Institute.

1. Scalable hearing rehabilitation for low and middle income countries. Investigators: Dr. Jhon Newall, Dr. S.P. Goswami & Dr. Geetha C. Funding: United Nations Global Partnership for Assistive Technology, Geneva. Amount: Rs. 6.84 lakhs.
2. Sense-Cog Asia: An open label feasibility study of a supportive hearing intervention in dementia. Investigators: Dr. Iracema Leroy, Dr. Nusrat Hussain, Dr. S.P Goswami, Dr. Murali Krishnan & Dr. Sandeep M. Funding: University of Manchester, U.K. Amount: Rs. 4.55 lakhs.

AIISH Funded Research

Sl. No.	Topic	Investigators	Amount in lakhs (Rs.)
1.	Automation of Malayalam articulation test using automatic speech recognition techniques	Dr. Ajish K Abraham, Dr. Leena Mary & Dr. N Sreedevi	6.31
2.	Automatic quantification of the glottal area in the stroboscopic videos using deep neural network	Dr. Chandni Jain Dr. Chetak K B & Mr. Vipin Ghosh	9.86
3.	Behavioural and electrophysiological correlates (N400) of lexical access in bilingual adults with stuttering	Dr. Santosh M. & Dr. Abhishek B P	4.33
4.	Computerized auditory training for kannada speaking children with hearing impairment	Dr. Yeshoda K & Dr. Sreeraj K	3.31
5.	Development and evaluation of indigenous curriculum oriented computer based tutor for concept learning in preschool children with special needs	Ms. P.V Ramanakumari, Dr. Ajish K Abraham & Ms. P V Manjula	6.73
6.	Development of grade level assessment test in science for upper primary school children (VI-VIII)	Dr. Prithi Venkatesh	4.20
7.	Development of phonemically balanced word lists in Tamil language for adults	Dr. Geetha C & Dr. Devi N	4.88
8.	Development of some auditory related cognitive tests: assessment of cognitive reserve in individuals with older adults	Dr. Ajith Kumar U. & Dr. Hemanth N	9.51
9.	Effect of resource material on impact of Inclusive Education in Children with Intellectual Disabilities (ID) and Learning Disabilities (LD)	Dr. T K Prakash Mr. Rahul Krishnamurthy Dr. Prasanta Kumar Ghosh & Dr. Suja S	3.85
10.	Effect of Resource Material on Impact of Inclusive Education in Children with Intellectual Disabilities (ID) and Learning Disabilities (LD)	Dr. G Malar Ms. P Prathima	3.85

11.	Encoding of speech and music at auditory brainstem (frequency following response) with and without hearing aid	Dr. Devi N	4.98
12.	Life satisfaction and quality of life in persons with Aphasia beyond communication	Dr. S P Goswami	4.96
13.	Morphosyntactic Processing in Dyslexia: Application of an ERP Measure	Dr. Amrita Kanchan & Dr. Nawab A Khan	4.03
14.	Perception and Production of Prosody in Children with Hearing Impairment	Dr. Jayashree C Shanbal Ms. Mamatha N M & Mr. Gopi Shankar R	4.93
15.	Relationship between Auditory Abilities and Iron Deficiency Anemia in Adolescent Girls	Mr. Manohar N Mrs. Revathi K R Mr. Prashanth Prabhu P & Mr. Raghavendra G N	5.33
16.	Stories of Aphasia: Exploring paths to recovery in India	Dr. S P Goswami Dr. Julie A Hengst Ms. Sonal V Chitnis Dr. Brajesh Priyadarshi Dr. Neeraja Karathi & Ms. Pinky Singh	11.99
17.	Syntactic judgment abilities in persons with non fluent aphasia	Dr. Abhishek B P & Dr. K C Shyamala	4.33

Ongoing Projects

Sixty-three research projects worth **Rs. 1579.18 lakhs** were ongoing in different departments of the Institute during the reporting year. Of these, seventeen projects worth **Rs. 1321.51 lakhs** were funded by extramural funding agencies and the remaining forty-six projects by the institute.

Extramural Research

1. Acoustic and perceptual analysis of disfluencies in children with stuttering: Pre and post therapy comparison. Investigator: Dr. Sangeetha Mahesh. Funding: Department of Science and Technology, Government of India. Amount: Rs. 25 lakhs.
2. Articulate+: A system for automated assessment and rehabilitation of persons with articulation disorders (In collaboration with IIT Guwahatti). Investigators: Dr. Ajish K Abraham, Dr. M. Pushpavathi & Dr. N. Sreedevi. Funding: Ministry of Education & Indian Council of Medical Research, Government of India. Amount: Rs. 137.49 lakhs.

3. Auditory and cognitive consequences of dys-synchronous auditory nerve activity. Investigators: Dr. Ajith Kumar U. & Dr. Sandeep M. Funding: Department of Science and Technology, Government of India. Amount: Rs. 44 lakhs.
4. Auditory processing and auditory cognitive measures in carriers of mutated genes that cause hearing loss. Investigators: Dr. Sandeep M. & Dr. Santhosh M. Funding: Department of Science and Technology, Government of India. Amount: Rs. 47.52 lakhs.
5. Cognitive linguistic abilities in children with cleft lip and palate: Phase II. Investigator: Dr. M. Pushpavathi. Funding: Department of Science and Technology, Government of India. Amount: Rs. 19.87 lakhs.
6. Cognitive stimulation therapy for dementia: International implementation in Brazil, India and Tanzania (CST-International). Investigators: Dr. Mina Chandra, Dr. Smita Deshpande, Dr. Sridhar Vaitheswaran, Dr. Murali Krishna & Dr. S.P. Goswami. Funding: Global Alliance for Chronic Disease (GACD), UKRI & Indian Council of Medical Research, Government of India. Amount: Rs. 628.29 lakhs.
7. Development and validation of RoAS (Robot for Articulatory Simulation). Investigators: Dr. Ajish K Abraham, Mr. Manohar N., Dr. N. Swapna & Ms. Renuka C. Funding: Department of Science and Technology, Government of India. Amount: Rs. 32.27 lakhs.
8. Effect of cognitive load on speech and voice characteristics across lifespan: A cross sectional study. Investigators: Dr. Jayakumar T. & Dr. K. Yeshoda. Funding: Department of Science and Technology, Government of India. Amount: Rs. 28 lakhs.
9. Effect of hearing aid processing strategies on auditory cognitive measures: Listening efforts, mental fatigue and semantic information processing. Investigators: Dr. Hemanth & Dr. Ajith Kumar U. Funding: Department of Science and Technology, Government of India. Amount: Rs. 39.20 lakhs.
10. Effect of vestibular impairment and vestibular rehabilitation therapy on cognition and language processing. Investigators: Dr. Niraj Kumar Singh, Dr. Prawin Kumar, Dr. Prakash T K, Dr. Brajesh Priyadarshi & Dr. Amritha Kanchan. Funding: Department of Science and Technology, Government of India. Amount: Rs. 81.25 lakhs.
11. Efficacy of articulation and prosody intervention program for children with hearing impairment using hearing aids. Investigators: Dr. N Sreedevi &

Dr. Sangeetha Mahesh. Funding: Science and Engineering Research Board, Government of India. Amount: Rs. 23.72 lakhs.

12. Efficacy of computer based training module on auditory and cognitive skills in children with central auditory processing disorder. Investigators: Dr. Prawin Kumar & Dr. Niraj Kumar Singh. Funding: Department of Science and Technology, Government of India. Amount: Rs. 28.49 lakhs.
13. FMRI & ERP evidence for improvement in Audio-Visual integration in individuals with ANSD post speech reading training. Investigators: Dr. K Rajalakshmi & Dr. Arun Kumar Gupta. Funding: Department of Science and Technology, Government of India. Amount: Rs. 35.29 lakhs.
14. Improving diagnosis and access to health care services for persons with dementia using android based applications by community health workers. Investigators: Dr. Mina Chandra, Dr. Smita N Deshpande, Dr. Murali Krishnan, Dr. S.P. Goswami, Dr. K.S. Shaji, Dr. Charan Singh & Dr. Bhagyashree Raghavan. Funding: Department of Science and Technology, Government of India. Amount: Rs. 78.60 lakhs.
15. Neuroaudiological profiling of children with specific language impairment. Investigators: Dr. Animesh Barman, Dr. Swapna N. & Dr. Prashanth Prabhu. Funding: Department of Science and Technology, Government of India. Amount: Rs. 33.88 lakhs.
16. RAKSHA- Reach and Advocacy for Autistic Kids Sexual Health and Safety Attitudes. Investigator: Dr. Reuben Varghese. Funding: 2nd India Bioscience. Amount: Rs. 1.00 lakh.
17. Relationship between behavioral and electrophysiological indices of cognition and language in children with auditory processing disorders and co-morbid conditions. Investigators: Dr. Prawin Kumar, Dr. Niraj Kumar Singh, Dr. Brajesh Priyadarshi & Dr. Amrita Kanchan. Funding: Department of Science and Technology, Government of India. Amount: Rs. 37.64 lakhs.

AIISH Funded Research

Sl. No.	Topic	Investigators	Amount in lakhs (Rs.)
1	Adaptation and validation of vocal fatigue index (VFI) in Kannada	Dr. R Rajasudhakar	4.33
2	An exploratory study of tinnitus in Indian context	Dr. K Rajalakshmi, Mr. Vinaya K C., Dr. David Baguly & Dr. Gerhard Andersson	4.03
3	Auditory brain plasticity in carnatic	Dr. K Rajalakshmi	4.03

	vocalists, instrumental musicians and non-musicians		
4	Auditory temporal processing in older adults: A behavioural and electrophysiological measures	Dr. Prashanth Prabhu	5.18
5	Automatic quantification of the glottal area in the stroboscopic videos using deep neural network	Dr. T K Prakash, Mr. Rahul Krishnamurthy, Dr. Prasanta Kumar Ghosh & Dr. Suja S	9.86
6	Behavioral and electro-physiological correlates of lexical semantic activation in high and low proficient bilinguals	Dr. Sandeep M., Dr. Abhishek B P & Dr. Chandni Jain	4.88
7	Behavioural and electro physiological (P300) correlates for visual and auditory process in Alzheimer's diseases	Dr. Hema N & Dr. Devi N	4.88
8	Cochlear implant outcome measures: Comparison of rating scales and speech perception	Dr. Megha & Mr. Jawahar Antony	5.05
9	Cognitive linguistic intervention program for children at risk for learning disability	Dr. Jayashree C Shanbal & Mr. Hariharan V	4.93
10	Computerized auditory training for Kannada speaking children with hearing impairment	Mr. Manohar N, Mrs. Revathi K R., Dr. Prashanth Prabhu P & Mr. Raghavendra G N	3.31
11	Design and development of E-learning platform and faculty profile system	Dr. Shijith Kumar C Mr. Manohar N & Dr. Malar G	4.68
12	Development and Checking the Effectiveness of training module for preschool parent empowerment program (PPEP) for children with special needs at AIISH	Dr. Alok Kumar Upadhyay Dr. Palnaty Vijetha & Ms. P V Ramanakumari	8.30
13	Development and standardization of questionnaire to assess the outcome in adult hearing aid users	Dr. K. Rajalakshmi, Ms. Mamatha N M & Dr. Ramadevi Sreenivas K J	4.33
14	Development and standardization of western aphasia revised battery in Tamil	Dr. Hema N	4.88
15	Development and validation of a mobile application tool for	Dr. Swapna N	7.88

	arithmetic concept teaching for preschoolers		
16	Development of a Grade Level Assessment test in Social Sciences grade VII and VIII of Karnataka State Education Board for typically developing children and for children with hearing impairment.	Dr. Palnaty Vijetha Dr. Alok Kumar Upadhyay & Mr. Rajkumar R	8.35
17	Development of an automatic speech processing based system for assessment of stuttering in Kannada speaking adults	Dr. Ajish K Abraham Dr. Anil Kumar Vuppala & Dr. Sangeetha Mahesh	12.67
18	Development of speech enabled communication tool for clients with speech impairment in Kannada	Mr. Manohar N	4.95
19	Development of Visual Scene Display (VSD) based Augmentative and Alternative Communication (AAC) system	Mr. Karthik Venkat Sridaran Dr. V Vivek Mr. Reuben Thomas Varghese & Dr. Ajish K Abraham	5.40
20	Disability evaluation in mental retardation using WHODAS 2.0 in a clinical setting	Mr. Freddy Antony & Dr. Sanjeev Kumar Gupta	3.25
21	Effect of combined tactile, thermal and gustatory stimulation on feeding and swallowing in children with cerebral palsy	Dr. N Swapna	4.93
22	Effect of rhythm of the background language and working memory on speech perception in elderly hearing impaired individuals	Dr. Geetha C Dr. Santosh M	5.45
23	Effectiveness of the adapted science text lessons for children with hearing impairment studying in Grade V	Dr. Prithi Venkatesh	10.20
24	Effect of resource material on impact of inclusive education in children with intellectual disabilities (ID) and learning disabilities (LD)	Dr. G Malar & Ms. P Prathima	3.85
25	Electrophysiological assessment of auditory and vestibular neural functioning in individuals with	Dr. Prawin Kumar, Dr. M Bhanukumar, Dr. Niraj Kumar Singh,	4.88

	diabetes mellitus	Mr. Vipin Ghosh & Dr. Kumari Apeksha	
26	Feasibility of standardized neuropsychological tests in assessment of patients with aphasia	Dr. Amrita Kanchan & Dr. Nawab A Khan	3.30
27	Field-testing of 'Constant Therapy' in Hindi and Kannada	Dr. S.P Goswami & Dr. Swathi Kiran	4.93
28	Impact of acoustic stimuli used for various measures of VEMP on the auditory system	Dr. Niraj Kumar Singh & Dr. Prawin Kumar	4.93
29	Implementation and validation of portable virtual acoustic spatial training (VAST) programme for remediation of spatial deficits in listeners with sensorineural hearing Impairment (SNHL): A longitudinal time - series study	Dr. Ajith Kumar U & Dr. Nisha K V	4.85
30	Life satisfaction and quality of life in persons with aphasia beyond communication	Dr. S P Goswami	4.96
31	Modifying the design of Automated Malayalam Articulation Test to improve accuracy for evaluation of children with severe articulatory disorders	Dr. Ajish K Abraham Dr. Leena Mary & Dr. N Sreedevi	5.80
32	Morphosyntactic processing in dyslexia: application of an ERP measure	Dr. Jayashree C Shanbal, Ms. Mamatha N M & Gopi Shankar R	4.03
33	Normative data for click rate induced facilitation for assessing temporal integration	Dr. K. Rajalakshmi & Mr. Prashasti P Poovaiah	4.93
34	Perception and production of prosody in children with hearing impairment	Dr. Yeshoda K & Dr. Sreeraj K	4.93
35	Prevalence and risk factors for voice problems and effect of voice projection training in imams	Dr. Jayakumar T	4.88
36	Prevalence and risk factors of voice problems and knowledge of vocal health in professional carnatic singers and non-singers	Dr. Usha Devdas & Dr. M Santosh	4.93
37	Probing hidden hearing loss in individuals with different levels of	Mr. Arunraj K Dr. Animesh Barman	4.83

	noise exposure		
38	Product development of useful products of research carried out at AIISH	Dr. Prashanth Prabhu, Dr. Shijith Kumar C & Dr. Priya M B	5.03
39	Reading impairments in Kannada-English bilinguals individuals with fluent & non-fluent types of aphasia	Dr. Sunil Kumar Ravi, Dr. Pebbli Gopikishore & Dr. Shyamala K C	5.08
40	Relationship between auditory abilities and iron deficiency anemia in adolescent girls	Dr. Chandni Jain, Dr. Chetak K B & Mr. Vipin Ghosh	5.33
41	Short term correlations between speech motor variability and behavioural dysfluencies in persons with stuttering following fluency shaping therapy	Dr. Anjana B Ram & Mr. Mahesh B V M	4.85
42	Standardization of a discourse analysis scale for conversation, narration and picture description in Kannada	Dr. Hema N & Dr. K C Shyamala	4.03
43	Stimulability assessment as an outcome measure of phonological intervention in Kannada speaking children with speech sound disorders	Dr. Priya M B & Dr. N. Sreedevi	5.00
44	Stories of aphasia: exploring paths to recovery in India	Dr. S.P Goswami, Dr. Julie A Hengst, Ms. Sonal V Chitnis, Dr. Brajesh Priyadarshi, Dr. Neeraja Karathi & Ms. Pinky Singh	11.99
45	The genetics of sensorineural hearing loss	Dr. K. Rajalakshmi, Dr. Srinivas K., & Dr. Jayakumar T	9.68
46	Treatment outcome of group therapy program in adults who stutter	Dr. M Sangeetha	4.90

New Research Projects

Six research projects worth **Rs. 36.93 lakhs** funded by the Institute were initiated during the reporting year.

AIISH Funded Research

Sl. No.	Topic	Investigators	Amount in lakhs (Rs.)
1	Association between speech in noise perception and different measures of bottom-up and top-down processing across age in adults with normal hearing sensitivity.	Mr. Srikar Vijayasarathy & Dr. Animesh Barman	5.25
2	Effectiveness of the adapted science text lessons for children with hearing impairment studying in Grade V	Dr. Prithi Venkatesh	10.20
3	Late latency potentials as auditory performance indicators in cochlear implantees	Dr. P Manjula & Dr. Geetha C	5.45
4	Mobile application for conditioning infants before the hearing test	Dr. N Hemanth & Dr. Ajith Kumar U	6.13
5	Stimulability assessment as an outcome measure of phonological intervention in Kannada speaking children with speech sound disorders	Dr. Priya M B & Dr. N Sreedevi	5.00
6	Treatment outcome of group therapy program in adults who stutter	Dr. M Sangeetha	4.90

Doctoral and Post-doctoral Research

Totally, twenty-four students completed their doctoral research during the reporting year. In addition, 71 students were pursuing their doctoral and one student, post-doctoral research. Of the 71 doctoral students, 35 joined newly. The details of the doctoral research are given in tables 1 to 3 and the post-doctoral research in table 4.

Table 1: Completed Doctoral Research

Sl.No.	Candidate	Category	Topic	Guide	Status
Audiology					
1.	Anoop B J	External	Cognitive and ERP measures of informational masking in young and elderly normal hearing individuals	Dr. Ajith Kumar U	Degree Awarded
2.	Arunraj K	In-service	Clinical validation of wideband absorbance tympanometry in detecting middle ear disorders	Dr. Animesh Barman	Degree Awarded
3.	Jawahar Antony P	In-service	Stream percept with sinusoidally amplitude modulated stimuli and its relation with speech perception in noise in individuals with normal hearing and sensorineural hearing loss	Dr. Animesh Barman	Degree Awarded
4.	Mamatha N M	In-service	Effect of auditory processing abilities on academic performance in Kannada speaking primary school children	Dr. Asha Yathiraj	Degree Awarded
5.	Reesha O. A	DST-JRF	Efficacy of computer-based auditory separation training in children with auditory processing disorders	Dr. Prawin Kumar	Degree Awarded
6.	Shubha Tak	External	Loudness perception in children using hearing aids and children using cochlear implants	Dr. Asha Yathiraj	Degree Awarded
7.	Vignesh S S	External	Auditory vestibular functions in individuals with multiple sclerosis	Dr. K Rajalakshmi	Degree Awarded
8.	Vikas M D	In-service	Effects of temporal resolution, working memory and personality on hearing aid benefit in older adults	Dr. Manjula P	Degree Awarded
9.	Pavan M	External	Investigation of mechanism underlying poor speech perception in individual with cochlear hearing loss based	Dr. K Rajalakshmi	Thesis

			on recovered envelope cues and the contribution of temporal fine structure cues in sequential segregation		Submitted
10.	Prajna Bhat J	External	Brainstem neurophysiological correlates of pitch coding in vocal and instrumental musicians	Dr. K Rajalakshmi	Thesis Submitted
11.	Priyanka Jaisinghani	DST-JRF	Validation of speech enhancement and noise reduction strategies in individuals with sensorineural hearing loss and auditory neuropathy spectrum disorders	Dr. Manjula P	Thesis Submitted
12.	Shreyank P Swamy	External	Comparison of contralateral suppression of otoacoustic emissions between children with APD and children with ADHD	Dr. Asha Yathiraj	Thesis Submitted
Speech-Language Pathology					
13.	Amoolya G	External	Bilingual effect on written language skills in Kannada-English bilingual-biliterate children with learning disability	Dr. Jayashree C Shanbal	Degree Awarded
14.	Aparna V S	External	Speech and language outcomes in school going children following early primary cleft palate repair	Dr. M Pushpavathi	Degree Awarded
15.	Darshan H S	AIISH-JRF	A comparative study on statistical learning abilities in persons with aphasia and neuro-typical individuals	Dr. S P Goswami	Degree Awarded
16.	Deepak P	AIISH-JRF	Efficacy of verb network strengthening treatment in persons with aphasia	Dr. S P Goswami	Degree Awarded
17.	Deepthy Ann Joy	AIISH-JRF	Acoustic and articulatory characteristics of Malayalam speaking children using Cochlear Implant	Dr. N Sreedevi	Degree Awarded
18.	Divya Seth	External	Efficacy of response cost treatment in preschool children who stutter	Dr. Santosh M	Degree Awarded

19.	Priyanka	External	Cross-linguistic generalization of fluency in Kannada-English bilingual adults who stutter: Effect of non-programmed prolonged speech treatment	Dr. Santosh M	Degree Awarded
20.	Rakesh C V	AIISH-JRF	Efficacy of prolonged speech and pause and talk techniques in school-aged children with stuttering: A comparison	Dr. Santosh M	Degree Awarded
21.	Reuben Thomas Varghese	In-service	Comparison of early cognitive-communicative deficits between persons with dementia of alzheimer's type and mild cognitive impairment	Dr. S P Goswami	Degree Awarded
22.	Anitha Naittee Abraham	External	Effect of vowel context and phoneme position on correct articulation of phonemes in Malayalam speaking children with Down syndrome: A pre post therapy comparison	Dr. N Sreedevi	Thesis Submitted
23.	Srushti Shabnam	External	Acoustic voice quality index based dysphonia severity classification	Dr. M Pushpavathi	Thesis Submitted
24.	Vineetha Sara Philip	AIISH-JRF	Symbolic language abilities for aided communication in persons with Aphasia	Dr. S P Goswami	Thesis Submitted

Table 2: Ongoing Doctoral Research

Sl. No.	Candidate	Category	Topic	Guide
Audiology				
1.	Anuprasad S	External	Auditory processing and auditory working memory in children with benign epilepsy with centrotemporal spikes	Dr. K Rajalakshmi
2.	Darga Baba Fakruddin	In-service	Effect of age, hearing loss working memory on speech recognition in naive hearing aid users	Dr. K Rajalakshmi
3.	Deepashree S R	External	Auditory brainstem responses and otoacoustic emissions in infants born	Dr. Ajith Kumar U

			to mothers with iron deficiency anaemia	
4.	Dhanya M	External	Perceptual cues of coarticulation in Malayalam in normal hearing and hearing impaired individuals	Dr. Sandeep M
5.	Indira C P	DST-JRF	Hearing help seeking behaviour in parents of children with hearing loss	Dr. Sandeep M
6.	Jim Saroj Winston	AIISH-JRF	Effect of short-term musical training on psycho-acoustical, electrophysiological and working memory measures	Dr. Ajith Kumar U
7.	Krupa Saira George	AIISH-JRF	Effect of native and non-native babble background on speech identification of individuals with normal hearing and hearing impairment	Dr. K Rajalakshmi
8.	Merin Mathews	DST-JRF	Audio-visual speech perception in individuals with ANSD: Effect of audio-visual training evidenced through ERP and behavioural measures	Dr. K Rajalakshmi
9.	Priyadharisini K	DST-JRF	Effect of auditory training using envelope enhanced speech on speech perception abilities in persons with auditory neuropathy spectrum disorder	Dr. Ajith Kumar U
10.	Rakesh Gatla	AIISH-JRF	Effect of exposure to below-damage risk criteria environmental noise on auditory processing abilities	Dr. Sandeep M
11.	Sahana V	AIISH-JRF	Auditory and cognitive profiling in normal hearing individuals with occupational noise exposure	Dr. Ajith Kumar U
12.	Shubhaganga D	AIISH-JRF	Influence of education, employment and gender on auditory processing and cognition in older adults	Dr. Asha Yathiraj
13.	Sreena E N	AIISH-JRF	Preferred compression amplification setting for individuals with varying audiogram configurations	Dr. Manjula P
14.	Srikar V	External	Auditory continuity illusion and perceptual restoration of speech in noise: relationship with speech intelligibility in noise in individuals with normal hearing, and cochlear hearing loss	Dr. Animesh Barman
Speech-Language Pathology				
15.	Girish K S	DBT-JRF	Development of norms for nasospeech in typically developing children	Dr. M Pushpavathi

16.	Jyothi S	External	Child-directed speech versus adult-directed speech: Comparison of acoustic measures between mothers of typically developing children and children with hearing impairment	Dr. Santosh M
17.	Manju S	External	Speech and language development in Malayalam speaking toddlers with repaired cleft lip and palate	Dr. M Pushpavathi
18.	Nikitha M	AIISH-JRF	Gesture perception and production abilities in persons with aphasia: A comparative study	Dr. S P Goswami
19.	Nirmal Sugathan	External	Comparison of phonological processing between children who persist and recover from stuttering	Dr. Santosh M
20.	Ranjini G.C.	External	Derived acoustic measures of vowels in Kannada speaking children with cochlear implant	Dr. N Sreedevi
21.	Seema M	External	Efficacy of Prolongation Speech Therapy Technique and Pause and Talk Techniques in Adults with Stuttering: A comparison	Dr. Santosh M
22.	Sonam Belliappa M	AIISH-JRF	Use of chin tuck against resistance and neuromuscular electrical stimulation for swallow function in Parkinson's Disease : A comparative study	Dr. S P Goswami
23.	Sunitha Sendhilnathan	External	Effect of language intervention in english as a medium in monolingual and bilingual children with autism spectrum disorders a comparison	Dr. Shyamala K C
24.	Susan G Oommen	External	Effect of bilingualism on linguistic and executive functions in children with autism spectrum disorders	Dr. Shyamala K C
25.	Sushma Manjunath	AIISH-JRF	Development and validation of therapy protocol for compensatory articulation in children with repaired cleft lip and palate	Dr. M Pushpavathi
Speech and Hearing				
26.	Ranjitha R	External	Development and standardization of a test battery to evaluate phonological representations in Malayalam speaking preschool children	Dr. N Sreedevi
27.	Sneha Mareen Varghese	External	Graphophonological-semantic flexibility and reading comprehension	Dr. Jayashree C Shanbal

			sion in children with dyslexia	
Special Education				
28.	Devaraj N B	External	Effectiveness of school readiness program on pre-school children with hard of hearing	Dr. Alok Kumar Upadhyay
29.	Dhivya D	External	Effect of interactive learning application tool on simple reasoning ability, memory and problem solving skill of preschool children with hearing impairment	Dr. Alok Kumar Upadhyay
30.	Lakshmi Prabha J.K.	External	Yet to decide	Dr. Alok Kumar Upadhyay
31.	Nagarathnam ma	External	Yet to decide	Dr. Alok Kumar Upadhyay
32.	Omar Wajdy Aref Al-Rawashdeh	External	Yet to decide	Dr. Alok Kumar Upadhyay
33.	Subramanya K R	External	Effect of adapted story and rhymes package on listening skill, speaking skill, pre-reading skill and pre-writing skill of preschool children with hearing impairment	Dr. Alok Kumar Upadhyay
Linguistics				
34.	Eman Al Haider Moussabi	External	Yet to decide	Dr. Brajesh Priyadarshi
35.	Maisa'A Jamal Mahmoud Alshawawreh	External	The role of cognition and use of multimedia in vocabulary learning of Jordan Imtermediate school children	Dr. Hema N
36.	Tasnim A.S. Swaitti	External	Language contact in Hebron: Semantics borrowing and phonological changes in bilingual context	Dr. K Yeshoda

Table 3: Newly Joined Research Fellows for Doctoral Research

Sl. No.	Candidate	Category	Guide
Audiology			
1.	Bhalerao Sanket Satish	External	Dr. Geetha C
2.	Dhananjay Rachana	External	Dr. Devi N
3.	Gowri R	AIISH-JRF	Dr. Sandeep M
4.	Kriti Arora	AIISH-JRF	Dr. Sandeep M
5.	Meghana Mohan B	AIISH-JRF	Dr. K Rajalakshmi

6.	Meghana N	AIISH-JRF	Dr. Manjula P
7.	Nayana M	AIISH-JRF	Dr. Prawin Kumar
8.	Pathak Mayur Balaji	External	Dr. Chandni Jain
9.	Priyanjali Harit	External	Dr. Prawin Kumar
10.	Rajesh Kumar R	AIISH-JRF	Dr. Niraj Kumar Singh
11.	Rashmi E	AIISH-JRF	Dr. Devi N
12.	Sahana P	AIISH-JRF	Dr. Manjula P
13.	Shezeen Abdul Gafoor	AIISH-JRF	Dr. Ajith Kumar U
14.	Sridhar S	AIISH-JRF	Dr. Devi N
15.	Syeda Aisha	AIISH-JRF	Dr. Chandni Jain
16.	Vinayagar P T	AIISH-JRF	Dr. Sujeet Kumar Sinha
17.	Vineetha C V	External	Dr. Animesh Barman
Speech-Language Pathology			
18.	Akshaya S	External	Dr. SP Goswami
19.	Bilvashree C	AIISH-JRF	Dr. Swapna N
20.	Ceana Mariya Paul	AIISH-JRF	Dr. K Yeshoda
21.	Divyashree K N	AIISH-JRF	Dr. N Sreedevi
22.	Geetha MP	External	Dr. T Jayakumar
23.	Jesnu Jose Benoy	AIISH-JRF	Dr. T Jayakumar
24.	Kavya V	AIISH-JRF	Dr. Swapna N
25.	Khyathi G Jain	External	Dr. S P Goswami
26.	Lakshmipriya S M	External	Dr. Hema N
27.	Manasa A S	External	Dr. M Pushpavathi
28.	Nagashreeya D	External	Dr. SP Goswami
29.	Pooja C	AIISH-JRF	Dr. Hema N
30.	Ranjitha Kashyap B N	AIISH-JRF	Dr. T Jayakumar
31.	Revathi R	AIISH-JRF	Dr. K Yeshoda
32.	Sahana Srinivasan	AIISH-JRF	Dr. Swapna N
33.	Vasupradaa M	AIISH-JRF	Dr. Santosh M
34.	Yashaswini B C	AIISH-JRF	Dr. Hema N
Speech and Hearing			
35.	Jothi S	External	Dr. Jayashree C Shanbal

Table 4: Ongoing Post-doctoral Research

Sl. No.	Candidate	Category	Topic	Guide
1	Dr. G Malar	External	Academic screening adapted for children with communication disorders	Dr. S P Goswami

Postgraduate Research

The postgraduate students of the institute carry out research as a part of their course work. The details of completed postgraduate research carried out as a part of M.Sc. Audiology and M.Sc. Speech-Language Pathology are given in table 5 and the ongoing research works in table 6.

Table 5: Completed postgraduate research

Sl. No.	Candidate	Topic	Guide
Audiology			
1.	Aashish Sharma	Listening habits of young adults during lockdown: A survey	Dr. Geetha C
2.	Abhishek Umashankar	The light cupula phenomenon: A systemic review	Dr. Animesh Barman
3.	Adithya S S	Canalith repositioning maneuvers for treatment of posterior semicircular canal: A systematic review	Dr. Niraj Kumar Singh
4.	Aiza Fatima Raza	Indicators for cochlear implantation in individuals with auditory neuropathy spectrum disorders: A systematic review	Dr. Prashanth Prabhu P
5.	Aman Kumar	Prevalence of hearing loss in geriatrics	Ms. Mamatha N M
6.	Anju Sara Eby	A survey on awareness about various audiological conditions in students and their classroom management amongst teachers in Kerala	Dr. Chandni Jain
7.	Ankit Kumar Lohani	A tutorial on vestibular evoked myogenic potential	Dr. Sujeet Kumar Sinha
8.	Anshuman Yadav	Speech perception outcomes using Bone Conduction Implants: Systematic review	Dr. Prawin Kumar
9.	Apoorva Prathibha K S	Longitudinal study on audiological and language outcomes in children using hearing aids: A comparative study of ANSD and SNHI	Dr. Nisha K V Co- Guide: Dr. Ajith Kumar U
10.	Ariya Jayan	Speech perception outcomes in children using Auditory Brainstem Implants: Systematic review	Dr. Prawin Kumar
11.	Arsiwala Tasneem M	Cortical auditory evoked potentials as performance indicators in cochlear implant: A systematic review	Dr. Geetha C
12.	Atul P R	Sudden sensorineural hearing loss- Literature review	Dr. Rajalakshmi K
13.	Bhagyashree Ishwar H	Trend analysis of hearing aids dispensed under HDDU scheme at AIISH	Dr. Sandeep M

Sl. No.	Candidate	Topic	Guide
14.	Chethan K	Auditory brainstem responses in acoustic neuroma - a systematic review	Dr. Ajith Kumar U
15.	Chitra K	Systematic review of music perception in children with cochlear implant	Dr. Devi N
16.	Dilli Raj Paudel	Prevalence and characteristics of congenital hearing loss in children: A register based study	Ms. Mamatha N M
17.	Dyuthi B	Prevalence, audiological characteristics and management of individuals diagnosed with ANSD for a period of one year at AIISH (January 2019 to December 2019)	Dr. Chandni Jain
18.	Freddy Jose	Hearing aid benefit in individuals with ANSD: A retrospective study	Ms. Mamatha N M
19.	Hasla Hamza Valiyadan	A systemic review on effectiveness of early cochlear implantation on speech perception and quality of life	Dr. Chandni Jain
20.	Jijinu P S	Utility of video head impulse test in Meniere's Disease: A systematic review	Dr. Sujeet Kumar Sinha
21.	Kajol N	Effectiveness of online teaching in training prospective speech-language pathologists and audiologists	Dr. Sandeep M
22.	Kruthika S	Evidence of synaptopathy in individuals with tinnitus: A systematic review	Dr. Prashanth Prabhu P
23.	Meena Rao	Noise induced hearing loss: Clinical presentation	Dr. Sreeraj K
24.	Mridul Pratik Khakha	Listening to music with hearing aids - A systematic review	Dr. Manjula P
25.	Muthu Kartick L	Application of ICF framework for noise induced hearing loss	Dr. Sreeraj K Co- Guide: Dr. Nisha K V
26.	Namitha Jain	Prevalence of auditory hallucinations in individuals with hearing impairment	Dr. Sreeraj K
27.	Prabuddha Bhatarai	Speech perception outcomes in children using cochlear implants: Systematic review	Dr. Prawin Kumar
28.	Prakruthi M K	Auditory training strategies for auditory processing disorder: A review	Dr. Devi N
29.	Prateek Lokwani	Audiological profiling and voice characteristics in congenital and late onset auditory neuropathy spectrum disorder	Dr. Nisha K V Co- Guide: Dr. Prashanth Prabhu P
30.	Praveen Prakash	Audiologic management of auditory neuropathy spectrum disorder in children-A systematic review of the Literature	Dr. Rajalakshmi K

Sl. No.	Candidate	Topic	Guide
31.	Rachna Hanji	Profiling listening needs of individuals with Hearing Impairment	Dr. Manjula P
32.	Sahana T S	Prevalence and causes of hearing loss in Mysore District-A retrospective study	Dr. Rajalakshmi K
33.	Saranya Arya Mundayoor	Role of temporal cues in speech perception – A systematic review	Dr. Ajith Kumar U
34.	Shejal Kasera	Canalith repositioning maneuvers for treatment of lateral semicircular canal: A systematic review	Dr. Niraj Kumar Singh
35.	Shingi Dipti Santosh K	Online survey of hearing help-seeking behaviour in parents of children with hearing loss	Dr. Sandeep M
36.	Shradha Manandhar	A tutorial on repositioning maneuvers for benign paroxysmal positional vertigo	Dr. Sujeet Kumar Sinha
37.	Sunny Khurana	A retrospective study on clinical test battery for persons with normal hearing with tinnitus; bridging the gap from research to clinical practice	Dr. Animesh Barman
38.	Suryakant Yadav	ABR findings in hidden hearing loss: A systemic review	Dr. Animesh Barman
39.	Vidya Gowda S L	Attitude and knowledge of teachers on education for children with hearing impairment: A systematic review	Dr. Devi N
40.	Zohra Nafees Ghor	Development of quality of life questionnaire for children using hearing devices in English and Kannada	Dr. Geetha C
Speech-Language Pathology			
41.	Akshit Anand	Development of a questionnaire to assess psychosocial issues in professional voice users	Mr. Freddy Antony Co-Guide: Dr. Yeshoda K
42.	Amritha Varshini S	Public education material for professional voice users-teachers, singers, and radio jockey	Dr. Jayakumar T
43.	Anima Goyal	Development of a minimal pair manual in Hindi for the intervention of children with speech sound disorders	Dr. Sreedevi N
44.	Ashiyath Anshaba P	Development of activity resource manual for group therapy in children who stutter	Dr. Sangeetha M

Sl. No.	Candidate	Topic	Guide
45.	Ashritha M Hegde	Development of theory of mind activities for individuals with right hemisphere damage/traumatic brain injury- a virtual training manual	Dr. Hema N
46.	Architaa R S	Analysis of scholarly communication on voice: A scientometric study	Dr. Rajasudhakar R
47.	Ashitha Paul K	Manual for training pragmatic language skills through social stories	Dr. Jayashree C Shanbal
48.	Ashiya Shaima	Perspectives of students in tele-service delivery in speech-language pathology	Dr. Rajasudhakar R
49.	Bandhan Kumar Pradhan	Use of technology in the treatment of aphasia: A systematic review	Mr. N Manohar Co-Guide: Dr. Anjana B Ram
50.	Biraj Bhattarai	Derived measures of vowel acoustics in children: A systematic review	Dr. Sreedevi N
51.	Christabale Jane	Effect of phonological and morphological factors on the frequency of stuttering in children who stutter - a systematic review	Dr. Santosh M
52.	Gayathri	Home training program for children with cleft lip and palate	Dr. Pushpavathi M
53.	Jeevan R S	A preliminary study to develop an android based application for intonation training in children with hearing impairment	Dr. Reuben T Varghese Co-Guide: Sreedevi N
54.	Joanna K B	Computerized Manual for training Syntax in children.	Dr. Jayashree C Shanbal
55.	Joel Joseph	Clinical tutorial on cluttering for speech-language pathologists	Dr. Sangeetha M
56.	Kapasi Arva Shabbirbhai	Development of a manual in Gujarati for the intervention of children with speech sound disorders using minimal pairs	Dr. Sreedevi N
57.	Kavitha J	Development of cognitive linguistic intervention manual in Kannada for persons with dementia: an adaptation of CLIM- Malayalam	Dr. Goswami S P
58.	Keneitsolo-U Koza	Acoustic analysis of lexical tone in two Naga languages	Dr. Santosh M
59.	Kusuma M	Development of a resource manual in Kannada for training phonotactic structure in children with apraxia of speech	Dr. Swapna N
60.	Madhusudhan B M	Assessment of voice characteristics through virtual mode	Dr. Ajish K Abraham Co-Guide: Dr. Jayakumar T

Sl. No.	Candidate	Topic	Guide
61.	Mallika Nikita Lewis	Knowledge and use of visual supports among speech-language pathologists for children with autism spectrum disorder	Dr. Anjana B Ram
62.	Mansi Karnad	School administrators understanding of the rights of children with disabilities and their readiness for inclusion - Indian survey	Dr. Anjana B Ram
63.	Mohamed Abuthalha M	An objective method of quantifying vocal breathiness in normal and simulated conditions- a preliminary study	Dr. Yeshoda K
64.	Niranjana P	Exploration of vocal fatigue in trained carnatic singers using vocal fatigue index-version 2 (VFI-2)	Dr. Yeshoda K
65.	Patel Siddhi Deepak	Development of a manual for syntactic processing activities for persons with aphasia	Dr. Hema N
66.	Pradyumna M	Awareness and perception of developmental milestones of children upto 3 years of age among parents in urban setup	Dr. Jayashree C Shanbal
67.	Priyanka N	Development of multi-media manual for school teachers on voice and its disorders	Dr. Reuben T Varghese Co-Guide: Dr. Rajasudhakar R
68.	Rini K R	Development of vocal education material for individuals with puberphonia	Dr. Jayakumar T
69.	Rushali Hemantkumar Thakar	Development of cognitive linguistic intervention manual in hindi for persons with dementia: An adaptation of CLIM-Malayalam	Dr. Goswami S P
70.	Shinsi Binth E K	Clinical tutorial on neurogenic stuttering for speech-language pathologists	Dr. Sangeetha M
71.	Sri Ranjani V	Acoustic voice quality index in young phononormals using SOVT- frication exercise: Comparison of pre-post training	Dr. Yeshoda K
72.	Sumathi N	Development of tasks and activities for cognitive training of adults with cognitive impairments	Dr. Venkatesan S Co-Guide: Dr. Hema N
73.	Syam Krishna V	Characteristics of clients voice disorders at AIISH: An ex post facto study	Dr. Rajasudhakar R
74.	Tanvi Rajesh Sanghavi	Assessment of pharyngeal dysphagia through fiberoptic endoscopic evaluation of swallowing: A tutorial	Dr. Swapna N

Sl. No.	Candidate	Topic	Guide
75.	Thanuja M	Self-rated and clinician-rated parameters of speech effort in stuttering	Dr. Anjana B Ram
76.	Thirumanjari K	Development of manual for visuo-spatial organization activities for persons with brain damage	Dr. Hema N
77.	Veda P	Development and validation of an online technique for assessment of stuttering in Kannada speaking adults	Dr. Ajish K Abraham Co-Guide: Dr. Sangeetha M
78.	Vijayeshwari S	Effect of phonological and morphological factors on the frequency of stuttering in adults who stutter - A systematic review	Dr. Santosh M
79.	Vyshna Babu T	Development of vocal education material for older adults in Malayalam	Dr. Jayakumar T
80.	Yaazhini O D	Development of treatment manual for oral dysphagia	Dr. Swapna N
81.	Zainab Ismail	Development of cognitive linguistic intervention manual in English for persons with dementia: An adaptation of CLIM-Malayalam	Dr. Goswami S P

Table 6: Ongoing Postgraduate Research

Sl. No.	Candidate	Topic	Guide
Audiology			
1.	Abdul Bahis	Survey on utilization and satisfaction of hearing devices under Central Government schemes on parents of children's with hearing impairment	Dr. Prawin Kumar
2.	Adya Parmar	Efficacy of different clinical assessment measures of hyperacusis - a systematic review	Dr. Prashanth Prabhu P
3.	Aishwarya N	Utility of suppression head impulse paradigm (shimp) in identifying peripheral vestibular disorders- A systematic review	Dr. Sujeet Kumar Sinha
4.	Amar	Efficacy of TRT in treating hyperacusis - a systematic review	Dr. Ajith Kumar U
5.	Aradhna	Neuromonics tinnitus treatment-a systematic review	Dr. Sreeraj K
6.	Ashiq Abdul Rahman	Development of manual on counseling for individuals with subjective tinnitus.	Dr. Manjula P
7.	Ashish	Influence of diabetes mellitus type 1 on auditory- vestibular functioning	Dr. Prawin Kumar

Sl. No.	Candidate	Topic	Guide
8.	Banumathi	A systematic review on auditory processing abilities in children with non-syndromic cleft lip/and palate	Dr. Chandni Jain
9.	Bhuvaneshwari	The clinical significance of ECAP and ESRT in children with cochlear implant: a systematic review	Dr. Prawin Kumar
10.	Brunda L Raj	Factors affecting early cochlear implantation in children	Dr. Geetha C
11.	Chinnarasu J	Audiological findings and non-audiological correlates in individuals with acoustic neuroma-a systematic review	Dr. Devi N
12.	Gayathri K	Examining the consequences of auditory neuropathy spectrum disorder from multidimensional perspective: An exploratory study using ICF classification	Dr. Prashanth Prabhu P Co-guide: Nisha K V
13.	Gowthami B N	Intelligibility and quality of hearing aid processed speech: An objective comparison of prescriptive formulae	Dr. Nisha K V
14.	Gurpreet	Cochlear impairment in individual with chronic renal dysfunction- a systematic review	Dr. Sreeraj K
15.	Harshada	Speech perception in noise in musicians- a systematic review	Dr. Ajith Kumar U
16.	Jayasree	Assessment of self-perceived skill set in clinical audiological evaluation among students of B.ASLP and masters in Audiology	Dr. Sandeep M
17.	Malavika	Parental stress in caregivers/ parents of hearing impaired children: An exploratory study using ICF classification	Dr. Nisha K V
18.	Monisha C	Auditory working memory measures in children with hearing impairment-a systematic review	Dr. Devi N
19.	Nayana	Evaluation of current practice in online tinnitus management among audiologists in India; a questionnaire-based study	Dr. Mamatha N M
20.	Nethra R	Effect of long term cochlear implant use on education and occupation: A systematic review	Dr. Geetha C
21.	Nikhilesh H C	Pitch perception in infants and children-a systematic review	Dr. Devi N
22.	Parmar Akshay	Translation and validation of APHAB (Gujarati version) for evaluating hearing aid benefits in adults	Dr. Mamatha N M

Sl. No.	Candidate	Topic	Guide
23.	Pooja	The outcomes of speech audiometry in various stages of Meniere's disease: a retrospective study	Dr. NirajKumar Singh
24.	Rhydhm	Test-retest reliability of pure tone audiometry from 250hz to 16khz	Dr. NirajKumar Singh
25.	Ritwik	A retrospective study on audiological profiling of individual with age related hearing loss	Dr. Animesh Barman
26.	Rohit	Influence of BPPV and md in cognitive abilities : A questionnaire based study	Dr. Animesh Barman
27.	Sahana M B	A study of polar plots of microphones in hearing aids- an electroacoustic verification	Dr. Manjula P
28.	Sahil	Comparison of hearing aid processed output of phonemes across different models and types of hearing aids.	Dr. Animesh Barman
29.	Sajana Aryal	Exploring the Neuroaudiological pathophysiology of misophonia-a systematic review	Dr. Prashanth Prabhu P
30.	Sandeep	A survey on the screening and diagnosis criteria of the auditory processing disorder in India	Dr. Chandni Jain
31.	Sanjay	Assessment of satisfaction and compliance with hearing aids procured under HDDU	Dr. Sandeep M
32.	Shashish Ghimire	Vestibular test findings on auditory neuropathy spectrum disorders: A systematic review	Dr. Sujeet Kumar Sinha
33.	Shubam	Translation and validation of the self-administering vestibular disorder activities of daily living scales (VADL)	Dr. Mamatha N M
34.	Sonam	Immittance measurements in individuals with Meniere's disease: A retrospective study	Dr. NirajKumar Singh
35.	Supriya Mathew	A systematic review on imaging findings in auditory neuropathy spectrum disorder	Dr. Chandni Jain
36.	Sushmitha Upadhya	A systematic review on the effect of cochlear implantation on cognition in children	Dr. Geetha C
37.	Teja G	Characteristics of subjective tinnitus in individuals with noise induced hearing loss (NIHL) - a systematic review	Dr. Sreeraj K

Sl. No.	Candidate	Topic	Guide
38.	Varsha	Relationship between motion sickness and peripheral vestibular dysfunction- A systematic review	Dr. Sujeet Kumar Sinha
39.	Vibha Vinod	Comparison of nominal and measured compression thresholds and compression ratios in hearing aids, using electroacoustic measures	Dr. Manjula P
40.	Yoshita Sharma	Comparison of SCAP-a outcomes between young and elderly adults with normal hearing sensitivity	Dr. Sandeep M
Speech-Language Pathology			
41.	Aiswarya Sooraj	Master your concepts in vocal fold paralysis: A question bank for the learner	Dr. R. Rajasudhakar
42.	Akash C	Vocal symptoms and psychological stress among school teachers in Mysuru: Consequences of shifting from offline to online mode	Dr. T. Jayakumar
43.	Alfiya Khaleel	Self-perceived speech communication issues in students of speech-language pathology with and without nose and mouth covering respiratory protective masks	Dr. T. Jayakumar
44.	Amit Shaw	The effect of humming on EGG parameters in young phononormic adults	Dr. K Yeshoda
45.	Arzoo Shariff	Adaptation and validation of CHAOS questionnaire for Indian preschool children	Mr. Freddy Antony Co-Guide: Dr. Hema N
46.	Athira V	Adaptation and validation of voice disorder outcome profile (V-DOP) in Malayalam language	Dr. T Jayakumar
47.	Audrey Joyner Dsouza	Expectations from stuttering therapy: Qualitative content analysis of client's perspective in kannada speaking adults who stutter	Dr. M Santosh
48.	Ayisha Nazir K	A scientometric review of articles published in the Journal Aphasiology in the year 2020	Dr. S P Goswami
49.	Bhavani Venkatachalam	Comparative study between grid-based and visual scene display based AAC systems in children with cerebral palsy	Dr. Ajish K Abraham Co-Guide: Dr. Reuben Thomas Varghese

Sl. No.	Candidate	Topic	Guide
50.	Chandana S	Development and validation of functional assessment questionnaire for school-age children with specific learning disability based on ICF-CY	Dr. Jayashree C S
51.	Chheda Yasha Jitendra	Exploring feeding practices in typically developing young children in 3 districts of Maharashtra- a preliminary survey	Dr. Swapna N
52.	Darshita K	Effect of chemical substance exposure on voice	Dr. R. Rajasudhakar
53.	Darsitha S Alias Sneha S	Development of an automatic speech processing based procedure for assessment of stuttering in Malayalam speaking adults through virtual mode	Dr. Ajish K Abraham Co-Guide: Dr. Sangeetha Mahesh
54.	Delvin Devassia	Development and validation of an online based flipbook on childhood communication disorders in Malayalam for school teachers	Dr. N Sreedevi
55.	Devika Vijayan	Everything you ought to know on laryngo-pharyngeal reflux disease (LPRD) - a question bank for the learner	Dr. R Rajasudhakar
56.	Erica Mavis	Vocal fatigue in speech-language pathologists: An enquiry using vocal fatigue Index-Version 2 (VFI-2)	Dr. Yeshoda K
57.	Gopika Vinod	A Scientometric review of articles published in the Journal Aphasiology in the year 2018	Dr. S P Goswami
58.	Guru Vignesh	Articulation abilities of children with hearing impairment using hearing aids and cochlear implants: A comparison in Telugu	Dr. N Sreedevi
59.	Haripriya T	A scientometric review of articles published in the Journal Aphasiology in the year 2021	Dr. S P Goswami
60.	Hiba Sherin	Adaptation and validation of overall assessment of speaker's experience of stuttering-adult (OASES-A) in Malayalam language	Dr. Sangeetha M
61.	Hithaishini C N	Development and validation of picture stimuli for speech elicitation in 2-5 year-old children	Dr. Sangeetha M
62.	Ilakkiya T	Development and validation of online cognitive-linguistic training manual in English for children with learning disability	Dr. Jayashree C S

Sl. No.	Candidate	Topic	Guide
63.	Jahnavi A	Parental perspective on stuttering: A qualitative content analysis	Dr. M. Santosh
64.	Kale Ankita Deepak kumar	Development and validation of visual scene image dataset for Indian AAC users	Dr. Reuben Thomas Varghese Co-Guide: Dr. R Rajasudhakar
65.	Khateeja Naadia	Adaptation and validation of bedside WAB-R in Kannada for persons with aphasia	Dr. Hema N
66.	Kiruthika S	Survey of knowledge and awareness regarding autism spectrum disorder among parents in Neyveli township, Cuddalore district of Tamil Nadu.	Dr. Anjana B Ram
67.	Lunavath Swarna Naik	Exploring feeding practices in typically growing young children in three districts of Telangana: A preliminary survey	Dr. Swapna N
68.	Madhurya B S	Development and validation of home training manual for persons who stutter in Kannada language	Dr. Sangeetha M
69.	Mudra Prakash Dudwarkar	Adaptation and validation of bedside WAB-R in Marathi for persons with aphasia	Dr. Hema N
70.	Navya Belpu	The effects of yoga on voice - a systematic review	Dr. K Yeshoda
71.	Prakruthi V Jagatap	Code mixing and code-switching in Kannada English bilingual children	Dr. Jayashree C S
72.	Prerna Jain	Exploring feeding practices in typically growing young children in three districts of Chhattisgarh: A preliminary survey	Dr. Swapna N
73.	Swarna Lunavath	Exploring feeding practices in typically developing young children in three districts of Telangana- A preliminary survey	Dr. Swapna N
74.	Ranjeet Gupta	Intervention techniques for speech sound disorder: A systematic review	Dr. N Sreedevi
75.	Shinde Vrushali Madhukar	Development of articulation drill book for persons with cleft palate in Marathi	Dr. M Pushpavathi
76.	Sruthi Ramesh K	A content analysis of youtube videos related to stuttering	Dr. M Santosh
77.	Sujisha M S	Development of a screening checklist to assess problem behaviors in children with communication disorders	Mr. Freddy Antony Co-Guide: Dr. Yeshoda K

Sl. No.	Candidate	Topic	Guide
78.	Swathi C	Parent's acceptance, experience, challenges and expectancy factors of AAC intervention for children with Autism spectrum disorder.	Dr. Reuben Thomas Varghese Co-Guide: Dr. T Jayakumar
78.	Swathi S Sanjeevan	Development and validation of impact of stuttering treatment on quality of life (IST-QL): Post therapy assessment	Dr. Anjana B Ram
79.	Trupti Lata Baral	Adaptation and validation of bedside WAB-R in Hindi for persons with aphasia	Dr. Hema N
80.	Yasha Chedda	Exploring feeding practices in typically developing young children in three districts of Maharashtra- A preliminary survey	Dr. Swapna N

Scientific Presentations

The faculty, staff and students of the Institute presented the following papers in scientific conferences and seminars during the reporting year.

1. Abraham, A.K. (2021). *Image-Based Assessment of Jaw Parameters and Jaw Kinematics for Articulatory Simulation: Preliminary Results*. Paper presented at Interspeech 2021 at Brno, Czech Republic.
2. Aishwarya N., Varsha Elizabeth Sam., Shashish Ghimire., Sujeet Kumar Sinha (2022). *Test-retest reliability of suppression Head impulse paradigm (SHIMP) test*. Paper presented at the 53rd ISHACON, AIISH, Mysuru.
3. Aishwarya N., Varsha Elizabeth Sam., Shashish Ghimire., Sujeet Kumar Sinha (2022). *The vestibule-ocular reflex gain difference in auto-calibration and manual calibration using Head impulse paradigm (HIMP) and suppression head impulse paradigm (SHIMP) in normal individuals*. Paper presented at the 53rd ISHACON, AIISH, Mysuru.
4. Alok Kumar Upadhyay (2022). *Preparedness of Educators to maintain Equity, Equality and accessibility of Learning resources for children with hearing impairment*, a paper presented at the One-day International E-Conference on Innovative Trends in Teaching, Learning and Assessment, organised by Institute of Professional Excellence and Management in collaboration with Global Education Research Association, New Dehli.

5. Amulya, P.R., Pratima, S. & Sreedevi, N. (2021). *Frequency of consonant production errors in children with speech sound disorder: A retrospective descriptive study*. Paper presented at the 3rd SHAIWBCON, AYJNISHD, Regional Centre, Kolkata.
6. Ananya, K., Aishwarya, B., Mayuri Rao., Devi. N., Nisha, K. V., (2021). *Survey on hearing-related issues in children attending online classes*. Paper presented at the 1st AIISH Audiology Convention, Mysuru.
7. Anju R., Devi, Vijayalakshmi & Jayashree C. Shanbal (2021). *Effect of Tele-Rehabilitation on Speech and Swallowing Skills in Siblings with Ataxia-Telangiectasia- Case Study*. Paper presented at the Telemedicon 2021, Lucknow.
8. Antony, J.P. (2021). *A survey on protocol used for measuring outcomes after cochlear Implantation in children in India*. Paper presented at the Cochlear implant Group of India Conference 2021, Bengaluru.
9. Anu, P., Jyothi, R. & Sangeetha, M. (2022). *Efficiency and challenges of the articulation in persons with stuttering*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
10. Aparna K. M., Namitha K, Alka G. & Prabhu, P. (2022). *Assessment of binaural integration and temporal ordering in singers and non-singers*. Paper presented through virtual mode at the International symposium of Frontiers of Research in Speech and Music, Pune.
11. Arunraj, K., Sreedevi, N., Christy Sebastian & Vasanthalakshmi, M.S. (2021). *An Epidemiological study on Noise induced hearing loss in India*. Paper presented at the 1st AIISH Audiology Convention, Mysuru.
12. Arunraj, K., Srividya, S., Ankitha, S., Spoorthi, T., Vasanthalakshmi, M.S., Sreedevi, N. & M Pushpavathi (2021). *Prevalence of communication disorders among school children and adolescents in southern Karnataka*. Paper presented at the 1st AIISH Audiology Convention, Mysuru.
13. Ashish Kumar Gupta, Yashwanth Kumar, Rajesh Kumar, Niraj Kumar Singh (2022). *The effect of middle ear resonance and absorbance on frequency tuning of cervical vestibular-evoked myogenic potentials*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.

14. Ayishath, R., Apoorva, G., Aswathy, R. N., Vikas, M. D., & Chandni Jain. (2021). *Importance of test battery in the diagnosis of ANSD*. Paper presented at AUDISHCON 2021, Bengaluru.
15. Brajesh Priyadarshi (2021). *Development and Standardization of Sentences of Auditory Language Processing*. Paper presented at the 43rd International Conference of the Linguistic Society of India, Mysuru.
16. Chaithra, M., Rajesh Kumar., Kumari Apeksha., Vipin, P.G., Niraj Kumar Singh. & Prawin Kumar (2022). *Sub-cortical processing of speech in individuals with controlled type 2 Diabetic mellitus*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
17. Devi Vijayalakshmi, Anju R., & Jayashree C Shanbal (2021). *Tele-rehabilitation in a Patient with Motor Neurone Disease- A Case Study*. Paper presented at the Telemedicon 2021, Lucknow.
18. Deepashree Ramachandra., & Ajith Kumar, U. (2022). *Relationship between auditory brainstem responses and red-blood cell indices in new-born babies*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
19. Divya, S., & Sangeetha, M. (2022). *Adaptation and validation of overall assessment of speakers experience of stuttering in adults who stutter to Kannada language*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
20. Diya, E.S.D., Hidaya, J., Diya, M. & Prabhu, P. (2022). *Maturation of binaural integration abilities: A cross sectional study across age*. Paper presented through virtual mode at the International symposium on Audiological Medicine.
21. Fathima, T P O., Aswathy R N., Fathima, S S A P. & Prabhu, P. (2022). *Maturation of Temporal Ordering Abilities – A Cross Sectional Study Across Children, Adolescents and Adults*. Paper presented through virtual mode at the International symposium of Frontiers of Research in Speech and Music, Pune.
22. Ganeshan, A. & Prabhu, P. (2021). *Effectiveness of hearing aid amplification strategies for perception of music*. Paper presented at the 16th International Conference on Music processing and Cognition, Sheffield, UK.

23. Hannah Thomas & Mamatha N.M. (2021). *Tele rehabilitation for a child with hearing loss*. Paper presented at the Telemedicon 2021, Lucknow.
24. Hema, N., Aameena, S. & Prabhu, P. (2022). *Comparison Binaural Integration Abilities Between Guitarists and Vocalists – A Cross Sectional Study*. Paper presented through virtual mode at the International symposium of Frontiers of Research in Speech and Music, Pune.
25. Hemanth, K. S., Ines, P., Gowri, J. S., Havya, S. M., Devi, N. & Jyothi, S. (2021). *Survey on the adverse effect of use of mask due to COVID-19 pandemic on speech perception in children with hearing impairment*. Paper presented at the 1st AIISH Audiology Convention, Mysuru.
26. Hemanth Kumar, S., Havya sree, M., J.S Gowri., Ines Parvin. & Devi, N. (2022). *Questionnaire based survey on adverse effect of the use of mask due to Covid-19 pandemics on speech perception in adults*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
27. Indira, C.P., & Sandeep Maruthy (2022). *Qualitative analysis of help seeking behavior for pediatric hearing in India reveals three A's*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
28. Jayashree C Shanbal, & Archana U (2021). *Polyglot aphasia secondary to left Fronto – Parietal Tumor: A case study on tele-rehabilitation*. Paper presented at the 59th Annual meeting of Academy of Aphasia, USA.
29. Jayashree, S., Prakash Boominathan., & Ajith Kumar, U. (2022). *Do preterm infants exhibit set-backs in auditory development?*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
30. Joanna, K. B. & Prathima, S. (2021). *Oral-motor and speech therapy for young onset parkinson's disease: A case study*. Paper presented at the 4th Asia Oceanian Congress on Neuro Rehabilitation, Mumbai.
31. Jyothi, S., Maruthy, S., Barman, A. (2021). *Comparison of articulation rate and speech rhythm between child-directed speech versus adult-directed speech*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
32. Kalarikkal, G., Jayasree, G. K., Bahis, A., Nisha, K. V. & Prabhu, P. (2021). *A probe into problems and life effects in auditory neuropathy spectrum disorder using the ICF classification*. Paper presented at the 8th International

Symposium on Auditory and Audiological Research, Technical University of Denmark, Denmark.

33. Karuppannan, A. (2021). *Wideband absorbance tympanometry in ears with middle ear effusion and tympanic membrane perforation*. Paper presented at the 1st AIISH Audiology Convention, Mysuru.
34. Krithi Arora., Sandeep Maruthy (2022). *Effect of type of stimuli on the benefit derived from Envelope enhancement of speech in individuals with auditory neuropathy spectrum disorder (ANSO)*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
35. Kumar, A. U. & Gafoor, A.S. (2021). *Articulatory Rehearsal Auditory Working Memory performance: Effect of oral Anesthesia*. Paper presented at the 1st AIISH Audiology Convention, Mysuru.
36. Kumar, P., Vikas, M. D. & Nivedha, R. (2021). *Comparison of preferred number of channels of hearing aids across different age groups*. Paper presented at the 8th International Symposium on Auditory and Audiological Research, Technical University of Denmark, Denmark.
37. Kumar., P, Singh, N. K., Keshar., N. K., Kasera., S. & Nayana, M. (2021). *Saturation of map parameters in children with cochlear implants: effects of time since implantation and age*. Paper presented at the 18th Cochlear implant Group of India Conference, Bengaluru.
38. Lokwani, P. & Nisha, K.V. (2021). *Consequences of varying onset of auditory neuropathy spectrum disorder on acoustical and perceptual quality of voice*. Paper presented at the 1st AIISH Audiology Convention, Mysuru.
39. Malavika P., Gayathri K., Nisha KV. & Prashanth Prabhu, P. (2022). *Parental stress in caregivers/Parents of hearing impaired children: An exploratory study using ICF classification*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
40. Manohar, N. (2021). *Efficiency of computerized trainings for Kannada speaking children with hearing impairment*. Paper presented at the Kannada Vignana Sammelana, Mangalore.

41. Manasa, A.S., & Sangeetha, M. (2022). *Treatment outcome of group therapy project in adults who stutter using computerized therapy material*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
42. Mayuri Rao, Simran Banga, Usha Devadas, & Santosh Maruthy. *Carnatic Classical Singers' interest and Knowledge Levels of Vocal Function and Dysfunction: A Cross-sectional Survey*. Paper presented through virtual mode at the International Symposium on Frontiers of Research in Speech and Music, Pune.
43. Megha, & Jawahar Antony, P., (2021). *Profile of Audiological assessment for cochlear implant candidacy in children in India*. Paper presented at the 18th Cochlear implant Group of India Conference, Bengaluru.
44. Muthu Karthik, L., Sreeraj, K., Nisha, K.V. (2022). *An exploratory study on problem and life effects in individuals with noise induced hearing loss: An ICF based study*. Paper presented through virtual mode at the National hearing Conservation Association (NHCA 2022).
45. Muthu Karthick, L., Nisha, K.V., Spoorthi, T. (2022). *Awareness of role of Audiologist in hearing health care: A survey among rural health care workers*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
46. Nayana, M. & Prawin Kumar (2022). *Relationship between voice emotion recognition and psychoacoustic measures in individuals with hearing impairment*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
47. Nisha, K.V., Devi, N. & Nishanth, N. (2021). *Musicality: Innateness and predictors*. Paper presented at the 16th International Conference on Music Processing and Cognition, Sheffield, UK.
48. Parmar, A., Shiju, A. M., Naina, J. & Prabhu, P. (2021). *Do musicians have better binaural auditory processing: An exploratory cross-sectional study*. Paper presented at the 16th International Conference on Music Processing and Cognition, Sheffield, UK.
49. Prashanth, R., (2021). *Mothers of children with communication disorders – Basic awareness on government measures*. Paper presented through virtual mode at the International conference on Women Empowerment Language Studies And Social Sciences 2020-22.

50. Prathibha, A.K.S., Nisha, K.V. & Kumar, A.U. (2021). *Evaluation of hearing aid benefit in children with ANSD and SNHL*. Paper presented at the 8th International Symposium on Auditory and Audiological Research, Technical University of Denmark, Denmark.
51. Prithi, V. & Anil A (2022). *Challenges faced by teacher_trainees in Skill Acquisition during the COVID-19 pandemic*. Paper presented at the 9th Online National Conference on Inclusive Education held on 21st and 22nd March 2022, Tata Institute of Social Sciences, Mumbai and the Brotherhood, New Delhi.
52. Rajesh Kumar., Niraj Kumar Singh (2022). *The effect of electrode montage on Air-conducted ocular vestibular-evoked myogenic potential: normative values and test-retest reliability*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
53. Raveendran, E. R., Mayuri Rao, R., Nidha, K., Namitha, K., Nisha, K.V., & Prabhu, P. (2021). *Audiological profiling in an adolescent female post-kawasaki disease*. Paper presented at the AUDISHCON 2021, Bengaluru.
54. Roja Rani, M., Swapna, N., & Syam Krishna, V. (2022). *Effortful swallow training: impact on labial strength and endurance and swallowing capacity in typical young adults*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
55. Sabin Sharma, Archana U. & Jayashree C Shanbal (2021). *Oro-pharyngeal dysphagia in parkinsonism: A case study on tele-rehab*. Paper presented at the Telemedicon 2021, Lucknow.
56. Sahana V., & Ajith Kumar (2022). *Middle ear muscle reflex in normal-hearing individuals with occupational noise exposure*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
57. Sandeep Kumar., Banumathi., Supriya Mathew., Kishore Tanniru., Chandni Jain (2022). *Comparison of various psychoacoustic measures using two software: PSYCON and maximum likelihood procedure in MATLAB*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
58. Sanjana, & Nisha, K.V. (2021). *Exploring the difference in auditory special processing between instrumental and vocal musician's*. Paper presented at the 16th International Conference on Music processing and Cognition, Sheffield, UK.

59. Seth, D. & Maruthy, S. *Parent-related outcome measures for intervention of stuttering in preschool children who stutter.* Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
60. Shalabha Ammu Mathew., Arena Varan., Jyothi, S., Devi, N., Nisha, K V. (2022). *Survey on Parental Satisfaction on tele and face-to-face listening therapy during Covid-19 Pandemic.* Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
61. Shezeen Abdul Gafoor., & Ajith Kumar, U. (2022). *Interactions within the human auditory efferent system.* Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
62. Singh, N. K. (2021). *Identifying safe stimulus Intensity for Recording Cervical Vestibular-Evoked Myogenic.* Paper presented at the 1st AIISH Audiology Convention, Mysuru.
63. Sreedevi, N. (2021). *Pre and post-natal risk factors for communication disorders.* Paper presented at the National Women's Science Congress, Bengaluru.
64. Sridhar, S., Sushma, M., Nisha, K. V., & Pushpavathi, M. (2021). *Top down and bottom-up Auditory Processing in Children with Consequences of varying onset of Auditory Neuropathy Spectrum Disorder on Acoustical and perceptual Quality of Voice.* Paper presented at the 1st AIISH Audiology Convention, Mysuru.
65. Syam, K., Kusuma, & Gayathri, K. (2022). *Awareness of safe feeding practices among expecting and new Indian mothers: A tele-survey.* Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
66. Tanuja, M.N., & Prawin Kumar (2022). *Speech perception in noise among individuals with type 2 Diabetes Mellitus.* Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
67. Thammaiah, S. (2021). *Meningitis with hearing loss post COVID 19: A single case study.* Paper presented at AUDISHCON 2021, Bengaluru.
68. Umashankar, A., Bhatarai. P., Saranya, M. & Prabhu, P. (2021). *Evaluation of envelope regularity discrimination abilities in musicians and non-musicians.*

Paper presented at the 16th International Conference on Music processing and Cognition, Sheffield, UK.

69. Vaishnavi Ramadas., Ramya V., Ajith Kumar, U. (2022). *Perception of Tamil matrix sentence test in noise by normal hearing young adults*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
70. Vasupradaa, M., Manchaiah, V., & Maruthy, S. Positive experiences related to stuttering: A qualitative content analysis. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
71. Vikas, M D., Nisha, K V., Gowthami, B. (2022). *Effect of Covid on communication strategies adopted by older hearing aid users*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
72. Vinayagar, P T., & Sujeet Kumar Sinha (2022). *Assessment of vestibular system in individuals with chronic supportive otitis media (CSOM) using subjective visual vertical (SVV) test and Dizziness Handicap Inventory (DHI)*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
73. Vineetha Sara Philip & Goswami, S.P. (2021). *Effect of grid size and grammatical category of referents on identification of symbols in persons with aphasia and neurotypical adults*. Paper presented at the 59th Annual Meeting of Academy of Aphasia, USA.
74. Yashaswini L. & Sandeep M. (2022). *Influence of musical abilities on categorical perception of music stimuli*. Paper presented at the 53rd ISHACON held at AIISH, Mysuru.
75. Yeshoda, K. Sreelakshmi, S. & Prabhu, P. (2022). *Evaluation of temporal processing abilities in individuals with hypertension*. Paper presented through virtual mode at the International Symposium on Audiological Medicine.

Scientific Publications

The faculty, staff and students of the Institute published the following papers in scientific journals during the reporting year.

1. Antony, J, P. & Barman, A. (2021). Auditory stream segregation with sinusoidally amplitude modulated tonal stimuli in individuals with sensorineural hearing loss. *Journal of Hearing Science*, 11(1), 31-39. <https://doi.org/10.17430/JHS.2021.11.1.3>.

2. Banerjee, N. & Prabhu, P. (2021). Evaluation of auditory stream segregation in individuals with cochlear pathology and auditory neuropathy spectrum disorder. *Auditory and Vestibular Research*, 30(3), 176-182.
3. Bhat, P.J. & Krishna, R. (2020). Pitch coding in vocalists and non-musicians to carnatic music stimuli: A frequency following response (FFR) study. *Journal of audiology & otology*, 25(3),131-137. <https://doi.org/10.7874/jao.2021.00115>.
4. Brajesh Priyadarshi & Goswami, S.P. (2021). Sequential acquisition of psycholinguistics and perceptual skills in Hindi speaking children. *Indian Linguistic Journal of the Linguistic Society of India*, 81 (3-4), 95-109.
5. Chundu, S., Allen, P, M., Han, W., Ratinaud, P., Krishna, R. & Manchaiah, V. (2021). Social representation of hearing aids among people with hearing loss: an exploratory study. *International Journal of Audiology*, 60 (12), 964-978. <https://doi.org/10.1080/14992027.2021.1886349>.
6. Darshan, H.S. & Goswami, S.P. (2021). Statistical learning and its consolidation in persons with aphasia. *Journal of Clinical Archives of Communication Disorders*, 6(1), 28-38.
7. Devi, N., Fakruddin, D. B., Nagaraju, B., Belpu, N., Raj, B. L. & Ravi, J. A. (2021). Comparison of responses of parents of hearing and hearing impaired children for the questionnaire 'awareness of aspects related to hearing'. *International Journal of Contemporary Pediatrics*, 8998 - 1005. <https://doi.org/10.18203/2349-3291.ijcp20212038>.
8. Geetha, C., Sharath Kumar, K. S., Manjula, P. & Pavan, M. (2021). Assessment of the clinical utility of the sentence identification test in Kannada for adults. *Journal of Hearing Science*, 11(3), 32-37. <https://doi.org/10.17430/JHS.2021.11.3.4>.
9. Geetha, C., Devi, N. & Ravirose, U. (2022). Development, standardization, and validation of bisyllabic phonemically balanced Tamil word test in quiet and noise. *Journal of Hearing Science* 11 (4), 42-47 DOI: 10.17430/JHS 20 21.22.4.5
10. Geetha, C., Chandni, J. & Keershi, S. P. (2022). relationship between auditory processing abilities and hearing aid benefit in elderly individuals with hearing impairment. *Auditory and Vestibular Research*, 31(3),1-14.
11. Girish, K.S., Pushpavathi, M., Abraham, A.K. & Vikram, C.M, (2022). Automatic speech processing software – New sensitive tool for the assessment

- of nasality: A preliminary study. *J Cleft Lip Palate Craniofac Anomal*, 9, 14-23.
12. Jain, C., Gangadharan, V. P. G., Basavaraja, K. C. & Lakshmi, A. (2021). Relationship between peripheral and central auditory abilities and iron deficiency anemia in adolescent girls. *American journal of Audiology*, 1-11. Advance online publication. https://doi.org/10.1044/2021_AJA-21-00036.
 13. Jayakumar, T., Rajasudhakar, R. & Jesnu, J.B. (2022). Comparison and Validation of Acoustic Voice Quality Index Version 2 and Version 3 among South Indian Population. *Journal of Voice*. <https://doi.org/10.1016/j.jvoice.2022.02.019>.
 14. Kumar, P., Singh, N. K. & Hussain, R. O. (2021). Effect of speech in noise training in the auditory and cognitive skills in children with auditory processing disorders. *International Journal of Pediatric Otorhinolaryngology*, 146, 110735. <https://doi.org/10.1016/j.ijporl.2021.110735>.
 15. Kumar, D. S., Mahendra, S., Devi, N. & Jain, C. (2021). Medial olivocochlear functioning and speech perception in noise in individuals with polycystic ovary syndrome. *Journal of Indian Speech, Language Hearing Association*; 35:39-43.
 16. Manchiah, V., Nisha, K.V., Prabhu, P., Granberg, S., Elin, K., Gerhard, A. & Eldre, WB. (2021). Examining the consequences of tinnitus using the multi-dimensional perspective, *Acta Oto-Laryngologica*, <https://doi.org/10.1080/00016489.2021.2019307>.
 17. Manjunath, S., Pushpavathi, M. & Sankar, R.G. Impact of articulation therapy on perceptual characteristics of bilabials in children with repaired cleft lip and palate. *J Cleft Lip Palate Craniofac Anomal* 9,7-13.
 18. Nair, C.B., Nayak, S., Maruthy, S., Krishnan, J.B. & Devadas, U. (2021). Prevalence of voice problems, self-reported vocal symptoms and associated risk factors in call center operators (CCOs): A systematic review. *Journal of Voice*. <https://doi.org/10.1016/j.jvoice.2021.07.022>.
 19. Neelesh, B., Krishna, R. & Kumar, V. (2021). Impact of more than three years of Carnatic music training on the working memory: an ERP study. *Hearing Balance and Communication*, 19(3), 1-8. <https://doi.org/10.1080/21695717.2021.1943782>.

20. Nisha K.V., Sanjana, M., Rohit, V.S., Krishna, R. & Prabhu, P. (2021). Profiles and predictors of auditory functioning in abacus-trained children. *International Journal of Pediatric Otorhinolaryngology*, 142. 110608. <https://doi.org/10.1016/j.ijporl.2021.110608>.
21. Nisha, K V., Devi, N., Nayagam, N. N., Winston, J. S. & Anil, S. P. (2021). Musical aptitude as variable assessment of working memory and selective attention tasks. *Journal of Audiology and Otology*, 25(4),178-188. <https://doi.org/10.7874/jao.2021.00171>.
22. Nisha, K. V., & Kumar, A. U. (2022). Effects of Spatial Training Paradigms on Auditory Spatial Refinement in Normal-Hearing Listeners: A Comparative Study. *Journal of audiology & otology*, 10.7874/jao.2021.00451. <https://doi.org/10.7874/jao.2021.00451>.
23. Pallickal, M., Deepak, P., Abhishek, B.P., & Hema, N. (2022). An Exploration of Cohesion and coherence skills in neuropsychiatric disorder: Speech-language pathologist perspective. *Journal of Schizophrenia Research – Vol: 8(1)*.
24. Prabhu, P., Jasiya K.M., Joshi., K. & Nisha, K.V. (2021). Contralateral suppression of spontaneous otoacoustic emissions in individuals with auditory neuropathy spectrum disorder. *International Journal of Advanced Otology*, 17(4), 325-329. <https://doi.org/10.5152/iao.2021.9098>.
25. Prajna, B. & Krishna, R. (2021). Effect of listening biographies on FFR responses of vocalists and non-musicians to Indian carnatic music stimuli. *Journal of Audiology & Otology*, 25(3), 131-137. <https://doi.org/10.7874/jao.2021.00115>.
26. Prakash, P., Jayan, A. & Prabhu, P. (2021). Effects of diurnal changes on temporal processing in morning-type and evening-type individuals with normal hearing. *European Archives of Oto-Rhino-Laryngology*, 278, 3073–3079. <https://doi.org/10.1007/s00405-021-06605-y>.
27. Prithi Venkatesh & Dhivya, D. (2021). Universal Curricular Design in Science. Are We Meeting The 21st Century Requirements?. *Journal of Indian Education*, 7-17.
28. Prithi V., & Dhivya, D. (2021). Ensuring quality assurance in technical and vocational education. towards excellence, 13(4), 109-129. (journal name ??)
29. Qudsiya, R., Kashyap, P. & Brajesh Priyadarshi (2021). A comparative study of reaction time in children with learning disability and typically developing

- children. *Journal of Child Language Acquisition and Development*, 9(4), 385-393.
30. Raza, A. F., Paudel, D. R. & Nisha, K. V. (2021). Audiological profiling and rehabilitation outcomes in a child with johanson-blizzard syndrome. *Journal of Audiology and Otology*, <https://doi.org/10.7874/jao.2021.00444>.
 31. Sangu, S. V., Singh, N. K. & Krishna, R. (2021). Tone burst masseter vestibular evoked myogenic potentials: Normative values and test –retest reliability. *Journal of the American Academy of Audiology*, 32(5):308-314. <https://doi.org/10.1055/s-0041-1728718>.
 32. Sannamani, K. G., Chakraborty, M., Devi, N. & Prabhu, P. (2021). Assessment of distortion product otoacoustic emissions input-output function in individuals with and without musical abilities. *Audiology and Vestibular Research*, 31(1),23-9. <https://doi.org/10.18502/avr.v31i1.8131>.
 33. Sreenivasan, A., Krishna, R., Nair, P.P., Kasinathan, A. & Alexander A. (2020). Evaluation of auditory spectral resolution abilities in children with benign epilepsy with centro-temporal spikes using spectral temporally modulated ripple test. *Epilepsy & Behavior*, 114 (Pt A), 107620. <https://doi.org/10.1016/j.yebeh.2020.107620>.
 34. Srinivasan, V.S., Krishna, R. & Munirathinam, B R. (2021). Effectiveness of Brainstem auditory evoked potentials scoring in evaluating brainstem dysfunction and disability among individuals with multiple sclerosis. *American Journal of Audiology*, 30(2), 255-265. https://doi.org/10.1044/2020_AJA-20-0015.
 35. Srushti Shabnam & Pushpavathi, M. (2021). Effect of gender on acoustic voice quality index and dysphonia severity index in indian normophonic adults. *Indian Journal of Otolaryngology and Head & Neck surgery*, <https://doi.org/10.1007/s12070-021-02712-8>.
 36. Upadhyay, A.K. & Tripathi, D.K. (2022). Physical environment and teacher's behaviour in inclusive educational setups for students with hearing impairment, *Journal of Naman*, 15(26),215-221.
 37. Veerabhadrappe, R. C., Krishnakumar, J., Vanryckeghem, M., & Maruthy, S. (2021). Communication attitude of Kannada-speaking adults who do and do not stutter. *Journal of Fluency Disorders*, 70, <https://doi.org/10.1016/j.jfludis.2021.105866>.
 38. Vijayasarathy, S., Meghana, M., Nagalakshmi, P. & Barman, A. (2021). Speech perception in noise, gap detection and amplitude modulation detection in

suspected hidden hearing loss. *Journal of Hearing Balance and Communication* 19(2), 203-211. <https://doi.org/10.1080/21695717.2021.1876494>.

39. Vineetha Sara Philip & Goswami, S.P. (2021). Preference between Indian picture symbols for communication (IPSC) and picture communication symbols (PCS) in neurotypical adults and adults with aphasia. *Speech, Language and Hearing*, DOI: 10.1080/2050571X.2021.1923303.
40. Yeshoda, K., Rajasudhakar, R., Lokheshwar, S. (2022). Impact of voice conservation sensitization program in nursing trainees: A pre-post comparison. *Education In Health Professions*; 4(3), 116-123.

Books / Book Chapters

The faculty, staff and students of the Institute published the following books and book chapters during the reporting year.

1. Brajesh Priyadarshi, Goswami, S.P., Shilpa, N. & Srushti, S. (2021). *An Adaptation of Bankson's Language Screening Test in Hindi, (BLST: H)* All India Institute of Speech and Hearing.
2. Gopi Sankar (2021). *Referral sources, medical examination and team approach; Protocol for voice assessment: components and philosophies (ICF, ICD); Principles of instrumental measurements*, Indian Speech and Hearing Association.
3. Goswami, S. P., Spoorthy, N. & Gayathri K. (ed.) (2021). *Community Integration Questionnaire-Revised*. All India Institute of Speech and Hearing, Mysuru.
4. Gupta, S. K. (2021). *Meditation, Mindfulness, and Mental Health: Opportunities, Issues, and Challenges*. In S. K. Gupta (Ed.). (2021). *Handbook of Research on Clinical Applications of Meditation and Mindfulness-Based Interventions in Mental Health*. Hershey, PA: IGI Global.
5. Gupta, S.K. (Ed.). (2021). *Handbook of Research on Clinical Applications of Meditation and Mindfulness-Based Interventions in Mental Health*. Hershey, PA: IGI Global.
6. Hema N., & Yashaswini B.C. (2021). *Primary Progressive Aphasia*. Aphasia Compendium.

7. Nandeesha, B. (2022). *Social Media Tools in Modern Library and Information Services*. In Upasana Yadav (Ed.), *Change in Librarians Core Competencies during the Pandemic*(pp.119-128). New Delhi, DPS Publishing House.
8. Prabhu P.P. (2021). *Mindfulness-based therapy in the management of Tinnitus*. In S. Gupta (Eds.), *Handbook of Research on Clinical Applications of Meditation and Mindfulness-Based Interventions in Mental Health* (pp. 175-183). IGI Global. <https://doi:10.4018/978-1-7998-8682-2.ch011>.
9. Prabhu, P., & Gafoor, S. A. (2021). *Effect of chikungunya viral infection on the auditory system*. In *Human Viruses: Diseases, Treatments and Vaccines* (pp. 187-192). Springer, https://doi:10.1007/978-3-030-71165-8_9.
10. Swapna, N. (2021). *Motor Speech Disorders in children* [Monograph]. Indian Speech and Hearing Association.
11. Swapna N & Prathima S,. (2021). Drooling ko niyanthrith karne ki vidhiyan: Dekhbal karne vale aur chikitsakon ke liye ek soochana pusthika. All India Institute of Speech and Hearing.
12. Swapna N & Prathima S,. (2021). Jollu suriyuvudhannu niyantrisalukarya tantragalu: Poshakaru mattu chikitsakrige mahiti kaipidi. All India Institute of Speech and Hearing.
13. Vasantha Lakshmi, M.S., Swapna, N., Arunraj, Prawin Kumar, Sreedevi, N., Thasni, Aparna & Reshma, O. (2022). *Elderly screening: Distribution of communication disorders in older and elderly adults*. All India Institute of Speech and Hearing.
14. Vasantha Lakshmi, M.S., Dr. Sreedevi, N., Arunraj, Sandeep, M., Spoorthi, T., Srividya & Ankitha (2022). *School screening report on communication disorders: At-risk prevalence rate of hearing and speech language disorders in school children*. All India Institute of Speech and Hearing.
15.Newborn screening report (yet to get the information from POCD)