**ANNUAL REPORT 2020-21**

**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 Government of India funding agencies, the Department of Science and Technology (DST), the international funding agency, UK Research and Innovation (UKRI), United Nation Global Partnership for Assistive Technology.

**Completed Projects**

**AIISH Funded Research**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.****No.** | **Topic** | **Investigators** | **Amount in lakhs** |
|  | Optimizing the response filter setting for acquisition of ocular vestibular evoked myogenic potential elicited by air-conduction tone bursts of 500Hz | Dr. Niraj Kumar Singh & Dr. Animesh Barman | 4.03 |
|  | Is acceptance noise level a deciding factor of tinnitus management using hearing aids?  | Dr. Hemanth N., Dr. Jijo. P.M. & Dr. Vijay Kumar Narne | 4.03 |
|  | Evaluation of digital signal processing features in hearing aids with ear to ear synchronization | Dr. Geetha C. & Mr. Kishore Tanniru | 4.03 |
|  | Relationship between behavioural measures and aided cortical potential responses in children with hearing impairment (6 months to 5 years) | Dr. Prawin Kumar & Ms. C Geetha | 4.03 |
|  | Effectiveness of CBAT in children with CAPD-evidences from electrophysiology study | Dr. Prawin Kumar & Dr. Niraj Kumar Singh | 5.83 |
|  | Relationship between envelop difference index (EDI) and speech perception with noise reduction strategies in hearing aids  | Ms. Geetha C. & Dr. Hemanth N | 4.33 |
|  | Effectiveness of SNR-50 and SNR Loss in hearing aid evaluation | Dr. P Manjula & Ms. Megha | 4.33 |
|  | Bithermal caloric test and video impulse test for the assessment of unilateral vestibular pathologies | Mr. Niraj Kumar Singh & Dr. Rajeshwari G | 4.33 |
|  | Neural correlates of perceptual learning of non-native speech sound contrast | Dr. Ajith Kumar U. & Dr. Santosh M | 4.33 |
|  | Noise mapping of mysuru city with additional funding | Mr. Sreeraj K. & Ms. Suma Chatni | 6.70 |
|  | Within and across temporal resolution abilities in individuals with normal hearing, sensorineural hearing loss and auditory neuropathy spectrum disorders | Dr. Animesh Barman | 4.33 |
|  | Effect of auditory deprivation on some aspects of temporal processing and speech perception abilities | Dr. Sandeep M. & Ms. Chandni Jain | 4.33 |
|  | Audiological and vestibular assessment in persons with osteoporosis and osteopenia | Dr. Prawin Kumar & Dr. Raghunandana S | 4.93 |
|  | Contributory factors of hearing handicap in individuals with sensorineural hearing loss and auditory neuropathy spectrum disorder (ANSD)  | Dr. Ajith Kumar U. Dr. Hemanth N | 4.93 |
|  | Development of low frequency range word lists in Malayalam | Mr. Prashanth Prabhu & Mr. Jithin Raj B. | 4.93 |
|  | Effect of cochlear implantation and surgery technique on cervical vestibular evoked myogenic potential  | Mr. Sachchidanand Sinha, Dr.Niraj Kumar Singh, Mr. Nirnay Kumar Keshree & Dr. Shenal Kothari | 4.93 |
|  | Exploring real world hearing aid usage and outcome: current indian scenario | Dr. P. Manjula | 4.93 |
|  | Effect of spatial noise on speech identification | Dr. Asha Yathiraj | 4.93 |
|  | Relationship between hearing aid benefit and auditory processing abilities in elderly individuals with hearing impairment | Dr. Geetha C. & Dr. Chandni Jain | 5.05 |
|  | Auditory processing in children with speech sound disorders | Dr. Chandni Jain & Ms. Priya M.B. | 5.05 |
|  | Speech identification in the non-aided ear in monaural hearing aid users | Prof. Asha Yathiraj  | 4.93 |
|  | Development of AIISH hyperacusis assessment toolbox for individuals with tinnitus associated with hyperacusis | Dr. Prashanth Prabhu P.  | 4.93 |
|  | Development of a cost effective configuration for optimal quality recording for speech analysis | Dr. Ajish K Abraham  | 4.93 |
|  | Effect of canal widening (Type I Tympanoplasty) on hearing sensitivity | Dr. T.K Prakash, Dr. H. Sundara Raju & Ms. Devi N. | 4.99 |
|  | Database on communication disorders published in India | Dr. Shijith Kumar C., Mr. Nanjunda Swamy M. & Mr. Nandeesha B | 4.20 |
|  | Development of toy usage index for children with developmental disabilities | Dr. S Venkatesan | 3.01 |
|  | Development of a grade level assessment tool in social science (GLAT-SS) of karnataka state education board | Dr. Palnaty Vijetha & Dr. Alok Kumar Upadhyay | 3.85 |
|  | Efficacy of developing skills through curricular activities among preschool children with hearing impairment at AIISH | Dr. Alok Kumar Upadhyay & Dr. Palnaty Vijetha | 3.80 |
|  | Efficacy of self learning adapted social studies lessons in kannada and telugu and children with hearing impairment at secondary school level | Dr. Palnaty Vijetha, Dr. G Malar, Mr. Rajkumar R & Ms. Leelarani S.B. | 3.25 |
|  | AIISH survey of fluency disorders  | Dr. Y.V Geetha & Ms. Sangeetha Mahesh | 4.03 |
|  | Status report of speech and hearing professionals graduated from AIISH – national and global scenario  | Dr. S. Ramkumar & Dr. S.P Goswami | 4.50 |
|  | Development and validation of pragmatic skill checklist in children with autism spectrum disorder | Dr. K.C Shyamala  | 4.03 |
|  | Development and validation of video manual for different management techniques in children with autism spectrum disorders | Dr. Shyamala K.C | 4.03 |
|  | Development and validation of a computerized screening tool for infant cry | Dr. N. Sreedevi, Dr. Jayashree C. Shanbal & Mr. Arunraj K. | 4.43 |
|  | Validation of feeding handicap index in children with intellectual disability and autism spectrum disorders  | Dr. N. Swapna  | 4.03 |
|  | Nature of non-explicit declarative and procedural memory systems in pre-adolescents with specific language impairment: examining the post scripts of procedural deficit hypothesis  | Mr. Kuppuraj S. & Dr. K.S Prema | 4.03 |
|  | Lexical semantic processing in persons with aphasia: correlational study of psycholinguistic and neurolinguistic measures  | Mr. Abhishek B.P. & Dr. K.S Prema | 4.03 |
|  | Genetic insights of cerebral palsy using massively parallel sequencing  | Dr. N. Sreedevi, Dr. N Swapna & Dr. Srinivas Kovalli | 6.31 |
|  | Effect of noise and noise reduction technique on speaker identification | Dr. Hema N. | 4.33 |
|  | Development and standardization of an oral sensorimotor evaluation protocol for children (OSEP-C) | Dr. N. Swapna | 4.33 |
|  | Lexical processing in type 2 diabetes | Dr. Rajasudhakar R | 4.93 |
|  | Development of severity rating scale for children with autism spectrum disorders | Dr. K.C. Shyamala | 4.93 |
|  | Validation of nasality severity index | Dr. Navya A. &Dr. Pushpavathi M. | 4.93 |
|  | Phonological encoding in children with stuttering  | Dr. Sangeetha Mahesh & Ms. M.P Geetha | 4.93 |
|  | Behavioral and electrophysiological correlates (N400) of lexical and phonological access in children with stuttering | Dr. M. Santosh & Dr. M Sandeep | 4.93 |
|  | An adaptation of banks on language screening test in hindi (BLST-H) | Dr. Brajesh Priyadarsi & Dr. S.P Goswami | 4.93 |
|  | An adaptation of early reading skills (ERS) in malayalam (ERS-M) | Dr. Brajesh Priyadarsi & Ms. Gayathri Krishnan | 4.93 |
|  | A descriptive study on the video-fluroscopic measures of neurogenic dysphagia in patients with stroke and motor neuron disease | Dr. S P Goswami, Dr. Muralidharan Nair, Dr. Sylaja, Ms. Gayathri Krishnan & Ms. Manju Mohan | 4.93 |
|  | A pre-post comparison of vocal loading using infrared thermography in phono-normals | Dr. R Rajasudhakar | 5.03 |
|  | TOLD-H: An adaptation of TOLD | Dr. Brajesh Priyadarshi & Dr. S.P Goswami | 4.96 |
|  | Executive functions in normal aging and persons with mild cognitive impairment | Dr. Abhishek B.P. & Dr. R Rajasudhakar | 4.98 |
|  | Discourse and working memory in neuro-typical individuals and adults with aphasia | Dr. Hema N.  | 4.98 |
|  | Vocal dose and immediate effects of the straw phonation exercises on parameters of vocal loading in carnatic classic singers | Dr. Santhosh M. & Dr. Usha Devadas | 4.83 |
|  | Construction and validation of a short version of the impact scale for assessment of cluttering and stuttering (ISACS) | Dr. Santhosh M. & Dr. Pallavi Kelkar | 4.83 |
|  | Standardization of linguistic profile test (LPT) in tamil | Dr. T Jayakumar | 4.88 |
|  | Development and standardization of reading passages for children in kannada | Dr. Sangeetha Mahesh  | 4.93 |
|  | Development of a preliminary test for assessment of prosody in children with SLI | Dr. N Sreedevi & Dr. Sangeetha M. | 4.88 |
|  | Development of an objective tool for aphasia assessment through artificial neural networks | Dr. S.P Goswami & Dr. Abhishek B.P | 4.83 |
|  | Development and validation of a screening tool for detection of dysphagia in neonates | Dr. Swapna N | 4.93 |
|  | Cognitive linguistic abilities across different vocations | Dr. K.C Shyamala | 4.93 |

**Ongoing Projects**

**Extramural Research**

1. 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. Amount: 35.29 lakhs.
2. 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. Amount: 53.23 lakhs.
3. 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. Amount: 28.49 lakhs.
4. Auditory and cognitive consequences of dys-synchronours auditory nerve activity. Investigators: Dr. Ajith Kumar U. & Dr. Sandeep M. Funding: Department of Science and Technology. Amount: 42.78 lakhs.
5. Neuroaudiological profiling of Children with Specific Language Impairment. Investigators: Dr. Animesh Barman, Dr. Swapna N. & Dr. Prashanth Prabhu. Funding: Department of Science and Technology. Amount: 43.50 lakhs.
6. Sense-Cog Asia: An open label feasibility study of a supportive hearing intervention in dementia. Investigators: Dr. Iracema Leroi, Dr. Nusrat Hussain, Dr. S.P Goswami, Dr. Murali Krishnan & Dr. Sandeep M. Funding: Global Challenges Research Fund (GCRF) of UK Research and Innovation. Amount: 28.94 lakhs.

**AIISH Funded Research**

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| --- | --- | --- | --- |
| **Sl.****No.** | **Topic** | **Investigators** | **Amount in lakhs** |
| 1. 1
 | Standardization of a discourse analysis scale for conversation, narration and picture description in kannada (DAS) | Dr. Hema N. & Dr. K C Shyamala | 4.03 |
|  | Communication based rehabilitation for persons with communication disorders in the foothill and rural areas of dindigul district, Tamil Nadu | Dr. Jayashree C. Shanbal, Mr. S. Ramkumar & Mr. Arunraj K. | 9.25 |
|  | Morphosyntactic processing in dyslexia: application of an ERP measure | Dr. Jayashree C Shanbal, Ms. Mamatha N.M. & Gopi Shankar R | 4.03 |
|  | 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 |
|  | Syntactic judgment abilities in persons with non fluent aphasia  | Dr. Abhishek B.P. & Dr. K.C Shyamala | 4.33 |
|  | Adaptation and validation of vocal fatigue index (VFI) in Kannada | Dr. R Rajasudhakar | 4.33 |
|  | Behavioural and electrophysiological correlates (N400) of lexical access in bilingual adults with stuttering  | Dr. Santosh M. & Dr. Abhishek B.P. | 4.33 |
|  | Effect of combined tactile, thermal and gustatory stimulation on feeding and swallowing in children with cerebral palsy | Dr. N Swapna | 4.93 |
|  | 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 |
|  | Field-testing of ‘Constant Therapy’ in Hindi and Kannada | Dr. S.P Goswami & Dr. Swathi Kiran  | 4.93 |
|  | 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 |
|  | Life satisfaction and quality of life in persons with aphasia beyond communication | Dr. S.P Goswami | 4.96 |
|  | Development and validation of a mobile application tool for airthmetic concept teaching for preschoolers | Dr. Swapna N | 7.88 |
|  | Prevalence and risk factors for voice problems and effect of voice projection training in imans | Dr. Jayakumar T. | 4.88 |
|  | Behavioural and electrophysiological (P300) correlates for visual and auditory process in Alzheimer’s diseases | Dr. Hema N. & Dr. Devi N. | 4.88 |
|  | Short term correlations between speech motor variability and behavioural dysfluencies in persons with stuttering following fluency shaping therapy | Dr. Anjana B. Ram & Mr. Mahesh BVM | 4.85 |
|  | Development and standardization of western aphasia battery in Tamil | Dr. Hema N  | 4.88 |
|  | Cognitive linguistic intervention program for children at risk for learning disability | Dr. Jayashree C. Shanbal & Mr. Hariharan V. | 4.93 |
|  | Automatic quantification of the glottal area in the stroboscopic videos using deep neural network  | Mr. Rahul Krishnamurthy, Dr. Prasanta Kumar Ghosh, Dr. Suja S & Dr. T.K Prakash | 9.86 |
|  | Perception and production of prosody in children with hearing impairment | Dr. Yeshoda K & Dr. Sreeraj K  | 4.93 |
|  | Auditory brain plasticity: in carnatic vocalists, instrumental musicians and non-musicians | Dr. K Rajalakshmi | 4.03 |
|  | An exploratory study of tinnitus in Indian context | Dr. K Rajalakshmi, Mr. Vinaya K.C, Prof. David Baguly & Prof. Gerhard Andersson | 4.03 |
|  | 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 |
|  | Impact of acoustic stimuli used for various measures of VEMP on the auditory system | Dr. Niraj Kumar Singh & Dr. Prawin Kumar | 4.93 |
|  | Normative data for click rate induced facilitation for assessing temporal integration  | Dr. K. Rajalakshmi & Mr. Prashasti P. Poovaiah | 4.93 |
|  | Product development of useful products of research carried out at AIISH | Dr. Prashanth Prabhu, Dr. Shijith Kumar C. & Dr. Priya M.B | 5.03 |
|  | Encoding of speech and music at auditory brainstem (frequency following response) with and without hearing aid | Dr. Devi N. | 4.98 |
|  | Auditory temporal processing in older adults: A behavioural and electrophysiological measures | Mr. Prashanth Prabhu | 5.18 |
|  | The genetics of sensorineural hearing loss | Dr. K. Rajalakshmi, Dr. Srinivas K., Dr. Sreedevi N. &Dr. Jayakumar | 9.68 |
|  | 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 |
|  | Electrophysiological assessment of auditory and vestibular neural functioning in individuals with diabetes mellitus | Dr. Prawin Kumar, Dr. M Bhanukumar,Dr. Niraj Kumar Singh, Mr. Vipin Ghosh & Dr. Kumari Apeksha | 4.88 |
|  | Development of phonemically balanced word lists in tamil language for adults | Dr. Geetha C. & Dr. Devi N. | 4.88 |
|  | Relationship between auditory abilities and iron deficiency anemia in adolescent girls | Dr. Chandni Jain, Dr. Chetak K.B & Mr. Vipin Ghosh | 5.33 |
|  | 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 |
|  | 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 |
|  | Cochlear implant outcome measures: Comparison of rating scales and speech perception | Ms. Megha  | 5.05 |
|  | Disability evaluation in mental retardation using WHODAS 2.0 in a clinical setting | Mr. Freddy Antony & Mr. Sanjeev Kumar Gupta | 3.25 |
|  | Computerized auditory training for kannada speaking children with hearing impairment | Mr. Manohar N, Mrs. Revathi K.R., Mr. Prashanth Prabhu P. & Mr. Raghavendra G.N. | 3.31 |
|  | Design and development of e-learning platform and faculty profile system | Dr. Shijith Kumar C.,Dr. Manohar N. & Dr. Malar G. | 4.68 |
|  | Development of speech enabled communication tool for clients with speech impairment in kannada | Mr. Manohar N | 4.95 |
|  | Automation of malayalam articulation test using automatic speech recognition techniques | Dr. Ajish K Abraham, Dr. Leena Mary & Dr. N. Sreedevi | 5.00 |
|  | Feasibility of standardized neuropsychological tests in assessment of patients with aphasia | Dr. Amrita Kanchan & Dr. Nawab A Khan | 3.30 |
|  | 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 | 3.85 |
|  | 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 |
|  | Development of grade level assessment test in science for upper primary school children (VI-VIII) | Dr. Prithi Venkatesh | 4.00 |
|  | Design, development and validation of open source platform for AIISH digital repository and online public access catalogue | Dr. Shijith Kumar C., Mr. Nanjunda Swamy M., Mr. Nidheesh David Kuruvilla, Mr. Lokesh P. & Mr. Raghavendra G.N. | 3.00 |

**New Research Projects**

**Extramural Research**

1. Cognitive Linguistic Abilities in Children with Cleft Lip and Palate: Phase II. Investigator: Dr. M. Pushpavathi. Funding: Department of Science and Technology. Amount: 19.87 lakhs.
2. 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. Amount : 81.25 lakhs.
3. Efficacy of articulation and prosody intervention program for children with hearing impairment using hearing aids. Investigators: Dr. N Sreedevi & Dr. Sangeetha Mahesh. Funding: SERB. Amount: 23.72 lakhs.
4. Effect of cognitive load on speech and voice characteristics across lifespan: A cross sectional study. Investigators: Dr. Jayakumar T. & Dr. K. Yeshoda. Department of Science and Technology. Amount : 28.62 lakhs.
5. Scalable hearing rehabilitation for low and middle income countries (SHRLMIC). Investigators: Dr. Jhon Newall, Dr. S.P. Goswami & Dr. Geetha C. Funding: United Nations Global Partnership for Assistive Technology. Amount: 144.41 lakhs.
6. Acoustic and Perceptual analyses of speech in children with stuttering pre and post therapy comparison. Investigator: Dr. Sangeetha Mahesh. Funding: Department of Science and Technology. Amount : 30 lakhs.

**Doctoral Research**

Totally, four students completed their doctoral research during the reporting year. In addition, 95 students were pursuing their doctoral research in different departments of the institute during the reporting year. The details of completed and ongoing doctoral research are given in table 1 and 2 respectively.

**Table 1: Completed Doctoral Research**

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| --- | --- | --- | --- |
| **Candidate** | **Topic** | **Guide** | **Status** |
| **Degree Awarded** |
| Gayathri Krishnan | Effect of Bolus Characteristics and Head Position on Respiratory-Swallow Coordination | Dr. S.P Goswami | Awarded |
| Geethi S | Development of metapragmatic tool for adolescents in Malayalam and its validation on Children with Specific learning disorder | Dr. Shyamala K.C | Awarded |
| Niharika M K | Cognitive-linguistic processing in native adult speakers of Kannada | Dr. Prema K.S | Awarded |
| Yashaswini L | Categorical Perception and Processing of Speech and Music stimuli in Individuals with and without Music Training | Dr. Sandeep M | Awarded |

**Table 2 : Ongoing Doctoral Research**

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| --- | --- | --- | --- | --- |
| **Sl.No.** | **Candidate** | **JRF (AIISH/Project****/Inservice/External/Foreign)** | **Topic** | **Guide** |
| **Audiology** |
|  | Shubhaganga D | AIISH, JRF | Influence of education, employment and gender on auditory processing and cognition in older adults | Dr. Asha Yathiraj |
|  | Mamatha N.M | In-service | Effect of Auditory Processing abilities on Academic Performance in Kannada Speaking Primary School Children | Dr. Asha Yathiraj |
|  | Shreyank P. Swamy | External | Comparison of Contralateral Suppression of Otoacoustic Emissions between Children with APD and Children with ADHD | Dr. Asha Yathiraj |
|  | Shubha Tak | External | Loudness Perception in Children Using Hearing Aids and Children Using Cochlear Implants | Dr. Asha Yathiraj |
|  | Sreena E.N | AIISH, JRF | Preferred Compression Amplification Setting for Individuals with Varying Audiogram Configurations | Dr. Manjula P |
|  | 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 |
|  | Husna Firdose | External | A relationship between Audiological characteristics and a few management options in individuals with auditory neuropathy spectrum disorders | Dr. Manjula P |
|  | Vikas M.D | In-service | Effects of Temporal Resolution, Working Memory and Personality on Hearing Aid Benefit in Older Adults | Dr. Manjula P |
|  | 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 |
|  | 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 |
|  | Pavan M | External | Investigation of Mechanism Underlying Poor Speech Perception in Individual with Cochlear Hearing Loss Based on Recovered Envelope Cues and the Contribution of Temporal Fine Structure Cues in Sequential Segregation  | Dr. K Rajalakshmi |
|  | Vignesh SS | External | Auditory vestibular functions in individuals with multiple sclerosis | Dr. K Rajalakshmi |
|  | Anuprasad S | External | Auditory Processing and Auditory Working Memory in Children with Benign Epilepsy with Centrotemporal Spikes | Dr. K Rajalakshmi |
|  | Darga Baba Fakruddin | In-service | Effect of Age, Hearing Loss Working Memory on Speech Recognition in Naive Hearing aid Users | Dr. K Rajalakshmi |
|  | Prajna Bhat J | External | Brainstem Neurophysiological Correlates of Pitch Coding In Vocal and Instrumental Musicians | Dr. K Rajalakshmi |
|  | Arunraj K | In-service | Clinical Validation of Wideband Absorbance Tympanometry in Detecting Middle Ear Disorders | Dr. Animesh Barman |
|  | 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 |
|  | 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 |
|  | Sahana V | AIISH, JRF | Auditory and cognitive profiling in normal hearing individuals with occupational noise exposure | Dr.Ajith Kumar U |
|  | Jim Saroj Winston | AIISH, JRF | Effect of Short-term musical training on psycho-acoustical, electrophysiological and working memory measures | Dr.Ajith Kumar U |
|  | Priyadharsini K | AIISH, JRF | Effect of Auditory training using Envelope Enhanced Speech on Speech Perception Abilities in Persons with Auditory Neuropathy Spectrum Disorder | Dr.Ajith Kumar U |
|  | Deepashree S.R | External | Auditory brainstem responses and otoacoustic emissions in infants born to mothers with iron deficiency anaemia | Dr.Ajith Kumar U |
|  | Anoop B.J | External | Cognitive and ERP measures of informational masking in young and elderly normal hearing individuals | Dr.Ajith Kumar U |
|  | Indira C.P | External | Hearing Help Seeking Behaviour in Parents of Children with Hearing Loss | Dr. Sandeep M |
|  | Dhanya M | External | Perceptual Cues of Coarticulation in Malayalam in Normal Hearing and Hearing Impaired Individuals | Dr. Sandeep M |
|  | Rakesh Gatla | AIISH, JRF | Effect of Exposure to Below-Damage Risk Criteria Environmental Noise on Auditory Processing Abilities | Dr. Sandeep M |
|  | Reesha O.A | DST-JRF | Efficacy of computer-based auditory separation training in children with auditory processing disorders | Dr. Prawin Kumar |
|  | Sahana P |  AIISH, JRF | Yet to decide | Dr. Manjula P |
|  | Meghana N | AIISH, JRF | Yet to decide | Dr. Manjula P |
|  | Meghana Mohan B | AIISH, JRF | Yet to decide | Dr. K Rajalakshmi |
|  | Shezeen Abdul Gafoor | AIISH, JRF | Yet to decide | Dr. Ajith Kumar U |
|  | Kriti Arora | AIISH, JRF | Yet to decide | Dr. Sandeep M |
|  | Gowri R | AIISH, JRF | Yet to decide | Dr. Sandeep M |
|  | Nayana M | AIISH, JRF | Yet to decide | Dr. Prawin Kumar |
|  | Priyanjali Harit |  External | Yet to decide | Dr. Prawin Kumar |
|  | Vinayagar P.T | AIISH, JRF | Yet to decide | Dr. Sujeet Kumar Sinha |
|  | Rajesh Kumar R | AIISH, JRF | Yet to decide | Dr. Niraj Kumar Singh |
|  | Bhalerao Sanket Satish | External | Yet to decide | Dr. Geetha C |
|  | Dhananjay Rachana | External | Yet to decide | Dr. Devi N |
|  | Rashmi E | AIISH, JRF | Yet to decide | Dr. Devi N |
|  | S Sridhar | AIISH, JRF | Yet to decide | Dr. Devi N |
|  | Pathak Mayur Balaji | External | Yet to decide | Dr. Chandni Jain |
|  | Syeda Aisha | AIISH, JRF | Yet to decide | Dr. Chandni Jain |

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| **Sl.No.** | **Candidate** | **JRF (AIISH/****Project****/Inservice/External/ Foreign)** | **Dept** | **Topic** | **Guide** |
| **Speech Language Pathology** |
|  | Sushma Manjunath | JRF | Speech Language Pathology | Development and Validation of Therapy Protocol for Compensatory Articulation in Children with repaired cleft lip and palate | Dr. M Pushpavathi |
|  | Girish K.S | DBT-JRF | Speech Language Pathology | Development of Norms for Nasospeech in Typically Developing Children | Dr. M Pushpavathi |
|  | Srushti Shabnam | External | Speech Language Pathology | Acoustic Voice Quality Index based dysphonia severity classification | Dr. M Pushpavathi |
|  | Manju S | External | Speech Language Pathology | Speech and language development in Malayalam speaking toddlers with repaired cleft lip and palate | Dr. M Pushpavathi |
|  | Aparna V.S | External | Speech Language Pathology | Speech and Language Outcomes in School Goging Children Following Early Primary Cleft Palate Repair | Dr. M Pushpavathi |
|  | Vineetha Sara Philip | JRF | Speech Language Pathology | Symbolic language abilities for aided communication in persons with Aphasi | Dr. S P Goswami |
|  | Nikitha M | JRF | Speech Language Pathology | Gesture Perception and Production abilities in Persons with Aphasia: A Comparative Study | Dr. S P Goswami |
|  | Darshan H. S | JRF | Speech Language Pathology | A Comparative Study on Statistical Learning Abilities in Persons with Aphasia and Neuro-typical Individuals | Dr. S P Goswami |
|  | M. Sonam Belliappa | JRF | Speech Language Pathology | Use of Chin Tuck against Resistance and Neuromuscular Electrical Stimulation for Swallow Function in Parkinson's Disease : A Comparative Study | Dr. S P Goswami |
|  | Deepak P | JRF | Speech Language Pathology | Efficacy of Verb Network Strengthening Treatment in Persons with Aphasia | Dr. S P Goswami |
|  | Reuben Thomas Varghese | External | Speech Language Pathology | Comparison of Early Cognitive - Communicative Deficits between Persons with Dementia of Alzheimer's Type (DAT) and Mild Cognitive Impairment (MCI) | Dr. S P Goswami |
|  | Ranjitha R | External | Speech and Hearing | Development and Standardization of a Test Battery to Evaluate Phonological Representations in Malayalam Speaking Preschool Children | Dr. N Sreedevi |
|  | Anitha Naittee Abraham | External | Speech Language Pathology | 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 |
|  | Deepthy Ann Joy | External | Speech Language Pathology | Acoustic and articulatory characteristics of Malayalam speaking children using Cochlear Implant | Dr. N Sreedevi |
|  | Ranjini G.C. | External | Speech Language Pathology | Derived Acoustic measures of Vowels in Kannada Speaking children with Cochlear implant | Dr. N. Sreedevi |
|  | Rakesh C.V | JRF | Speech Language Pathology | Efficacy of Prolonged Speech and Pause and Talk Techniques in School-Aged Children with Stuttering: A Comparison | Dr. Santosh M |
|  | Jyothi S | External | Speech Language Pathology | 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 |
|  | Priyanka | External | Speech Language Pathology | Cross-Linguistic Generalization of Fluency in Kannada-English Bilingual Adults who Stutter: Effect of Non-Programmed Prolonged Speech Treatment | Dr. Santosh M |
|  | Nirmal Sugathan | External | Speech Language Pathology | Comparison of Phonological Processing between Children who persist and recover from stuttering | Dr. Santosh M |
|  | Divya Seth | External | Speech Language Pathology | Efficacy of response cost treatment in preschool children who stutter | Dr. Santosh M |
|  | Sneha Mareen Varghese | External | Speech and Hearing | Graphophonological-Semantic Flexibility and Reading Comprehension in Children with Dyslexia | Dr. Jayashree C Shanbal |
|  | Amoolya G | External | Speech Language Pathology | Bilingual Effect on Written Language Skills in Kannada English Bilingual Biliterate Children With Learning Disability | Dr. Jayashree C Shanbal |
|  | Susan G Oommen | External | Speech Language Pathology | Effect of bilingualism on linguistic and executive functions in children with autism spectrum disorders | Dr. Shyamala K C |
|  | Seema M | External | Speech Language Pathology | Yet to decide | Dr. N. Sreedevi |
|  | Manasa A.S |  External | Speech Language Pathology | Yet to decide | Dr. M Pushpavathi |
|  | Akshaya S |  External | Speech Language Pathology | Yet to decide | Dr. SP Goswami |
|  | Nagashreeya D |  External | Speech Language Pathology | Yet to decide | Dr. SP Goswami |
|  | Khyathi G Jain |  External | Speech Language Pathology | Yet to decide | Dr. SP Goswami |
|  | Divyashree K.N. |  JRF | Speech Language Pathology | Yet to decide | Dr. N. Sreedevi |
|  | Revathi R |  JRF | Speech Language Pathology | Yet to decide | Dr. K Yeshoda |
|  | Ceana Mariya Paul |  JRF | Speech Language Pathology | Yet to decide | Dr. K. Yeshoda |
|  | Bilvashree C |  JRF | Speech Language Pathology | Yet to decide | Dr. K Yeshoda |
|  | Sahana Srinivasan |  JRF | Speech Language Pathology | Yet to decide | Dr. Swapna N |
|  | Kavya V |  JRF | Speech Language Pathology | Yet to decide | Dr. Swapna N |
|  | Ameena Subhakani S |  JRF | Speech Language Pathology | Yet to decide | Dr. Swapna N |
|  | Vasupradaa M |  JRF | Speech Language Pathology | Yet to decide | Dr. Santosh M |
|  | Ranjitha Kashyap B.N | JRF | Speech Language Pathology | Yet to decide | Dr. T.Jayakumar |
|  | Jesnu Jose Benoy | JRF | Speech Language Pathology | Yet to decide | Dr. T Jayakumar |
|  | Geetha M.P |  External | Speech Language Pathology | Yet to decide | Dr. T. Jayakumar |
|  | Lakshmipriya S.M |  External | Speech Language Pathology | Yet to decide | Dr. Hema N |
|  | Yashaswini B C |  JRF | Speech Language Pathology | Yet to decide | Dr. Hema N |
|  | Pooja C | JRF | Speech Language Pathology | Yet to decide | Dr. Hema N |
|  | Jothi S |  External | Speech & Hearing | Yet to decide | Dr. Jayashree C Shanbal |

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| **Sl.****No.** | **Candidate** | **JRF (AIISH/****Project****/Inservice/External/ Foreign)** | **Dept** | **Topic** | **Guide** |
| **Linguistics**  |
| 1. | Maisa' A Jamal Mahmoud Alshawawreh | External | Linguistics | The role of cognition and use of multimedia in vocabulary learning of jordan intermediate school children | Dr. Hema N |
| 2. | Eman Al Haider Moussabi | External | Linguistics | Yet to decide | Dr. Brajesh Priyadarshi |
| 3. | Mustafa Nafi Ahmed Alshawawreh | External | Linguistics | Yet to decide | T. Jayakumar |

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| **Sl.****No.** | **Candidate** | **JRF (AIISH/****Project****/Inservice/External/ Foreign)** | **Dept** | **Topic** | **Guide** |
| **Special Education** |
| 1. | Devaraj N.B | External | Education | Effectiveness of school readiness program on pre-school children with hard of hearing  | Dr. Alok Kumar Upadhyay |
| 2. | Omar Wajdy Aref Al- Rawashdeh | External | Education | Yet to decide | Dr. Alok Kumar Upadhyay |
| 3. | Subramanya K.R | External | Education | Yet to decide | Dr. Alok Kumar Upadhyay |
| 4. | Dhivya D | External | Education | Yet to decide | Dr. Alok Kumar Upadhyay |
| 5. | Nagarathnamma | External | Education | Yet to decide | Dr. Alok Kumar Upadhyay |
| 6. | Lakshmi Prabha J.K. | External | Education | Yet to decide | Dr. Alok Kumar Upadhyay |

**Post Graduate 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 (69 Nos.) are given in table 3 and the ongoing research works (49 Nos.) in table 4.

**Table 3: Completed postgraduate research**

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| --- | --- | --- | --- |
| **SL. No.** | **Candidate** | **Topic** | **Guide** |
| **Audiology** |
| 1 | Augustina Noel Z | Speech identification through mobile phone, coupled to hearing aids, with and without wireless technology | Prof. Manjula P |
| 2 | Christy Sebastian | Effect of wide dynamic range compression on a few temporal characteristics and speech identification. | Prof. Manjula P |
| 3 | Merina Thomas | Comparison of auditory working memory and speech perception in noise in children with and without chess training | Prof. K Rajalakshmi |
| 4 | Mohammed Basih Thaha T | Adaptation, Translation and Validation of Speech, Spatial and Qualities of Hearing Scale (SSQ) in Malayalam speaking older adults with hearing impairment. | Prof. K Rajalakshmi |
| 5 | Rohith V.S | The Relationship between Auditory working memory and speech perception in noise in primary school children with and without abacus training. | Prof. K Rajalakshmi |
| 6 | Gowtham Varma S | Cochlear microphonics: A comparison between scalp recording vs. Intracanicular recording procedure using tone bursts and click | Prof. Animesh Barman |
| 7 | Prajwal Kumar E | Effect of click, tone burst frequency, polarity and rate of stimulus on cochlear microphonics in individuals with normal hearing sensitivity. | Prof. Animesh Barman |
| 8 | Chethana P | Test-retest reliability of working memory span tasks: Operation span, Reading span and Auditory digit span. | Prof. Ajith Kumar U |
| 9 | Kirubaharane S.I | Multi frequency tympanometry in children with and without congenital sensorineural hearing loss. | Prof. Ajith Kumar U |
| 10 | Srividya S | Sentence identification in presence of speech and music masker among musicians and non-musicians | Prof. Ajith Kumar U |
| 11 | Aparna Ravi | Bilateral simultaneous auditory brainstem response in individuals with sensorineural hearing loss | Dr. Sandeep M |
| 12 | Divya Chauhan | Effect of physiological noise on speech perception in noise in normal hearing adults | Dr. Sandeep M |
| 13 | Madhumanti Chakraborty | Role of MOCB on threshold and supra threshold measures of speech perception in noise | Dr. Sandeep M |
| 14 | Akhil Shrivastava | Measurement of Ocular tilt using Subjective visual vertical test in Individuals with Sensorineural Hearing loss | Dr. Sujeet Kumar Sinha |
| 15 | Anagha A.P | Vestibulo -Ocular Reflex gain measurement using Head Impulse Paradigm and Suppression Head Impulse paradigm in younger and older adults | Dr. Sujeet Kumar Sinha |
| 16 | Sarga K | Effectiveness of Subjective Visual Vertical and Video Head Impulse Test in assessment of Vestibular function in individuals with Mixed Hearing Los | Dr. Sujeet Kumar Sinha |
| 17 | Aneena K | Estimation of vestibule-ocular reflex gain using head impulse paradigm in individual with noise exposure | Dr. Prawin Kumar |
| 18 | Layamol T.P | Assessment of Hidden hearing loss in individuals exposed to noise using Tone Burst ABR and DPOAEs | Dr. Prawin Kumar |
| 19 | Tanuja M.N | Comparison between auditory working memory, temporal resolution, and auditory closure in individuals with type 2 diabetes mellitus. | Dr. Prawin Kumar |
| 20 | Ajithkumar M | Correlation of threshold difference between pure tones, clicks and wideband evoked acoustic reflex | Dr. Devi N |
| 21 | R Kalaiyarasan | Evaluation of temporal resolution abilities and speech perception in noise in abstinent alcoholics and non-alcoholics | Dr. Devi N |
| 22 | Nivedharao Nagarajan | Auditory differential sensitivity for frequency, intensity, duration in abstinent alcoholic | Dr. Devi N |
| 23 | Hannah Thomas  | Estimating safe stimulus level for 500 Hz tone burst evoked cervical and ocular vestibular evoked myogenic potential | Dr. Niraj Kumar Singh |
| 24 | Kristi Kaveri Dutta | Effect of stimulus intensity used for frequency tuning of cVEMP on hearing | Dr. Niraj Kumar Singh |
| 25 | Manju Manikandan K | Influence of age, cognition and proficiency of the non-native background language on speech recognition of native language | Dr. Geetha C |
| 26 | Rajwinder Kaur  | Adaptation, Translation and Validation of Parents Evaluation of oral/aural performance of children (PEACH) and Teachers' Evaluation of oral/aural performance of children (TEACH ) | Dr. Geetha C |
| 27 | Sushma C | Comparison of subjective benefit of directional microphone in high cost and low cost digital hearing aids in noise | Dr. Geetha C |
| 28 | Krupa Bai B | Relationship between extended High frequency Audiometry, distortion product otoacoustic emission and speech perception in noise in children with (C) APD. | Dr. Chandni Jain |
| 29 | Megha Nigam | Relationship between spectral resolution and speech perception in noise in children with central auditory processing disorder | Dr. Chandni Jain |
| 30 | Shreyas S Ram | Prevalence of individuals diagnosed to have CAPD for a period of two years at AIISH ( June 2017 to July 2019 | Dr. Chandni Jain |
| 31 | Ashique C | Comparison of Differential sensitivity for Frequency, Intensity and Duration in individuals who practice physical activity and those who doesn’t practice physical activity | Ms. Mamatha N.M |
| 32 | Ravinder Thakur  | Cervical and Ocular vestibular evoked myogenic potentials in smokers | Ms. Mamatha N.M |
| 33 | Sachin B | Effect of smoking on high frequency Distortion Product Otoacoustic Emissions  | Ms. Mamatha N.M |
| 34 | R Mohana Priya  | Amplitude modulation discrimination in individual with normal hearing sensitivity having tinnitus | Dr.Sreeraj K |
| 35 | Rakesh T Kumar | Comparison of auditory working memory in adults with congenital blindness and normal sighted individuals | Dr.Sreeraj K |
| 36 | Ranjini A | Influence of Music Training on the Age Related Decline in Spatial Hearing and Temporal Processing Ability | Dr.Sreeraj K |
| 37 | Aishwarya G | Effect of prescriptive formulae and number of channels (simulated) on perception of music processed through Receiver In the Canal hearing aid | Dr. Prashanth Prabhu |
| 38 | Hemashree B.M | Evaluation of temporal processing abilities in individuals categorized based on body mass index. | Dr. Prashanth Prabhu |
| 39 | Swati Goyal | Effect of age and gender on auditory stream segregation in adults with normal hearing sensitivity | Dr. Prashanth Prabhu |
| **Speech Language Pathology** |
| 40 | Riddhi Wadhwa | Syntactic Working Memory in Person with Aphasia | Dr. S P Goswami |
| 41 | Akshaya Krishnan | Self-harm in Persons with Aphasia and their Caregivers:A Survey | Dr. S P Goswami |
| 42 | Swaliaha | ADAPTION and Validation of Prospective and Retrospective memory questionnaire in Malyalam | Dr. S P Goswami |
| 43 | Neha Yadav | Development of Hindi Language Test for children in the age range of 3 to 6 years-An adaption | Dr. Jayashree C Shanbal |
| 44 | Monika Tetwal | Development of a questionnaire to assess Quality of Life in Parents of children with Autism Spectrum Disorders in KannadaQoLA-K) | Dr. Jayashree C Shanbal |
| 45 | Hina Fathima | Development of Linguistic Profile Test for Urdu Speaking Children in the Age Range of 6 to 16 years- An adaption | Dr. Jayashree C Shanbal |
| 46 | Archana U | Therapeutic Module for rehabilitation of adults with Stuttering- Assistive Stuttering Interface-Adults | Dr. Anjana B Ram |
| 47 | Parnika M | Therapeutic Module for rehabilitation of children with Stuttering- Assistive Stuttering Interface-Children | Dr. Anjana B Ram |
| 48 | Shivaranjini | Cognitive processing in LD | Dr. Anjana B Ram |
| 49 | Neeraja Sunil | Taste Perception in Individuals with Diabetes Mellitus Type II | Dr. Swapna N |
| 50 | Roja Rani | Effect of Effortful Swallow Training on Lingual-Labial Strength and Endurance and Swllowing Capacity in Typical Young Adults | Dr. Swapna N |
| 51 | Sundareswari Pon | Acquisition and Retention of Nonwords in Adults with and without Stuttering | Dr. Swapna N |
| 52 | RishishaLyngkhoi | Comparison of vowel Space In Two Dialects of Khasi | Dr. N. Sreedevi |
| 53 | Sudharsana S | Temporal Characteristics of Speech in Children with Speech Sound Disorder |
| 54 | KrantiAcharya | Acoustic Characteristics of Vowels in Children with Cochlear Implants in Nepali |
| 55 | Anuroopa Swamynanda | Vocal Fatigue in Professional Theatre Artists as quantified by Vocal Fatigue Index | Dr.K. Yeshoda |
| 56 | NayanikaGhosh | Prolonged Effect of SOVT on Phononormals using Straw Phonation technique |
| 57 | Sabin SharmaDuwadi | Ultrasound Study of the Retroflex Plosives of Nepali Language |
| 58 | FathimaNida | Socio cultural adaption of UTBAS scale in Kannada | Dr. Santosh M |
| 59 | DibyaAryal | Effect of phonological and morphological factors on speech disfluencies in Nepal speaking adults who stutter |
| 60 | Binusha S | Comparision of habitual phonation and high pitch phonation tasks between Karnatic classical singers with and without vocal fatigue |
| 61 | Nayana Karat | Acoustic voice quality index (AVQI) in Carnatic singers | Dr. Jayakumar T |
| 62 | Reshma O | Relationship between nasalence and acoustic voice quality index (AVQI) |
| 63 | Pauline Gracia | Acoustic voice quality index (AVQI) in hindustani singers |
| 64 | Mohammed Nadeer Musthafa | Disability in person with Total Laryngectomy: A WHODAS 2.0 Perspective (Co-guide) |
| 65 | Devi Vijayalakshmi | Long term effect of lip trill exercise on voice parameters in normophonic individuals | Dr.R. Rajasudhakar |
| 66 | Sasirekha | Body Mass Index and Voice parameters: An correlational study |
| 67 | SyedaSameeraTaj | Voice characteristics of Uluma |
| 68 | Anju R  | Empirical observation on grammatical and lexical development by story retelling task in primary school children | Dr. R Rajasudhakar (Co-guide) |
| 69 | Delna Dominic | A comparative study on the effect of animated and static pictures on the naming abilities in children with Hearing impairment | Mr. Reuben T. Varghese(Co-guide) |

**Table 4: Ongoing Postgraduate Research**

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| --- | --- | --- | --- |
| **SL. No.** | **Candidate** | **Topic** | **Guide** |
| **Audiology** |
| 1 | Mridul Pratik Khakha          | Listening to music with hearing aids - A systematic review  | Prof. Manjula P   |
| 2 | Rachna Hanji   | Profiling listening needs of individuals with hearing impairment   | Prof. Manjula P   |
| 3 | Atul P.R | Sudden sensorineural hearing loss- Literature review | Prof. Rajalakshmi K |
| 4 | Praveen Prakash | Audiologic management of Auditory neuropathy spectrum Disorder in Children - A systematic review of the Literature | Prof. Rajalakshmi K |
| 5 | Sahana T.S  | Prevalence and causes of hearing loss in Mysore District- A retrospective study | Prof. Rajalakshmi K  |
| 6 | Abhishek Umashankar | The light cupula phenomenon: A systemic review | Prof. Animesh Barman |
| 7 | Sunny Khurana | A retrospective study on clinical test battery for persons with normal hearing with tinnitus; bridging the gap from research to clinical practice | Prof. Animesh Barman |
| 8 | Suryakant Yadav | ABR findings in Hidden hearing loss: A systemic review | Prof. Animesh Barman |
| 9 | Saranya Arya Mundayoor | Role of Temporal Cues in Speech Perception – A Systematic Review | Prof. Ajith Kumar U |
| 10 | Chethan K | Auditory brainstem responses in acoustic neuroma - a systematic review  | Prof. Ajith Kumar U |
| 11 | Bhagyashree Ishwar H | Trend analysis of Hearing aids dispensed under HDDU scheme at AIISH | Dr. Sandeep M |
| 12 | Kajol N | Effectiveness of online teaching in training prospective speech-language pathologists and Audiologists | Dr. Sandeep M |
| 13 | Shingi Dipti Santoshk | Online Survey of hearing help-seeking behaviour in parents of children with hearing loss | Dr. Sandeep M |
| 14 | Ankit Kumar Lohani | A tutorial on vestibular evoked myogenic potential | Dr. Sujeet Kumar Sinha |
| 15 | Jijinu P.S | Utility of Video Head Impulse test in Meniere's Disease: a systematic review. | Dr. Sujeet Kumar Sinha |
| 16 | Shradha Manandhar | A tutorial on repositioning maneuvers for  benign paroxysmal positional vertigo | Dr. Sujeet Kumar Sinha |
| 17 | Anshuman Yadav | Speech Perception Outcomes using Bone Conduction Implants: Systematic review | Dr. Prawin Kumar |
| 18 | Prabuddha Bhatarai | Speech Perception Outcomes in Children using Cochlear Implants: Systematic Review | Dr. Prawin Kumar |
| 19 | Ariya Jayan | Speech Perception Outcomes in Children using Auditory Brainstem Implants: Systematic Review | Dr. Prawin Kumar |
| 20 | Chitra. K | Systematic Review of music perception in children with cochlear implant | Dr. Devi N. |
| 21 | Prakruthi M.K | Auditory training strategies for auditory processing disorder: A review | Dr. Devi N. |
| 22 | Vidya Gowda S.L | Attitude and knowledge of teachers on education for children with Hearing Impairment: A systematic review | Dr. Devi N. |
| 23 | Shejal Kasera | Canalith repositioning maneuvers for treatment of Lateral semicircular canal: A Systematic review | Dr. Niraj Kumar Singh |
| 24 | Adithya S.S | Canalith repositioning maneuvers for treatment of Posterior semicircular canal: A Systematic review | Dr. Niraj Kumar Singh |
| 25 | Aashish Sharma | Listening habits of young adults during lockdown: A survey | Dr. Geetha C. |
| 26 | Arsiwala Tasneem M | [Cortical auditory evoked potentials as  performance indicators in cochlear implant: A systematic review](https://pubmed.ncbi.nlm.nih.gov/30295156/) | Dr. Geetha C. |
| 27 | Zohra Nafees Ghori | Development of Quality of life questionnaire for children using hearing devices in English and Kannada | Dr. Geetha C. |
| 28 | Anju Sara Eby | A Survey on Awareness about Various Audiological Conditions in Students and their Classroom Management amongst Teachers in Kerala | Dr. Chandni Jain |
| 29 | 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 |
| 30 | Hasla Hamza Valiyadan | A Systemic Review on Effectiveness of Early Cochlear implantation on Speech perception and Quality of life | Dr. Chandni Jain |
| 31 | Aman Kumar | Prevalence and Characteristics of hearing loss in older adults registered at AIISH. | Ms. Mamatha N. M. |
| 32 | Dilli Raj Paudel | Prevalence and Characteristics of Congenital Hearing Loss in Children: A Register Based Study. | Ms. Mamatha N. M. |
| 33 | Freddy Jose | Prevalence and Characteristics of Tinnitus in Individuals with Normal Hearing. | Ms. Mamatha N. M. |
| 34 | Namitha Jain | Prevalence of Auditory Hallucinations in Individuals with Hearing Impairment  | Dr. Sreeraj K. |
| 35 | Meena Rao | Noise Induced Hearing Loss: Clinical Presentation | Dr. Sreeraj K |
| 36 | Muthu Kartick L | Application of ICF framework for Noise induced hearing loss | Dr. Sreeraj K**Co- Guide:** Dr. Nisha K.V |
| 37 | Aiza Fatima Raza | Indicators for cochlear implantation in individuals with auditory neuropathy spectrum disorders: A systematic review.  | Dr. Prashanth Prabhu P. |
| 38 | Kruthika S | Evidence of synaptopathy in individuals with tinnitus: A systematic review.  | Dr. Prashanth Prabhu P. |
| 39 | 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 |
| 40. | Prateek L | Audiological profiling and voice characteristics in congenital and late onset auditory neuropathy spectrum disorder | Dr. Nisha K.V**Co- Guide:** Dr. Prashanth Prabhu P |
| **Speech Language Pathology** |
| 41 | Kavitha J | Development Of Cognitive Linguistic Intervention Manual in Kannada for persons with Dementia: An adaptation of CLIM- Malayalam  | Dr. S.P Goswami |
| 42 | Rushali Hemantkumar Thakar | Development Of Cognitive Linguistic Intervention Manual in Hindi for persons with Dementia: An adaptation of CLIM- Malayalam | Dr. S.P Goswami |
| 43 |  Zainab Ismail |  Development Of Cognitive Linguistic Intervention Manual in English for persons with Dementia: An adaptation of CLIM- Malayalam | Dr. S.P Goswami |
| 44 | Mallika  | Knowledge and use of visual strategies by SLPs in Language Learning in children with ASD | Dr. Anjana B Ram |
| 45 | Mansi | School Administrators’ Knowledge on the Rights of Children with disabilities and their readiness for inclusion | Dr. Anjana B Ram |
| 46 | Thanuja | Self rated and clinician rated parameters of speech effort in stuttering | Dr. Anjana B Ram |
| 47 | M Kusuma | Development of resource material in Kannada for training Pphonotactic Structure in Children with Apraxia of Speech | Dr. Swapna N |
| 48 | Yaazhini O.D | Development of Treatment Manual for Oral Dysphagia | Dr. Swapna N |
| 49 | Tanvi Sanghavi | Assessment of Pharyngeal Dysphagia through Fiberoptic Endoscopic Evaluation of Swallowing: A tutorial | Dr. Swapna N |
| 51 | Mohamed Abuthalha. M. | An Objective Method of Quantifying Vocal Breathiness | Dr. K Yeshoda |
| 52 | Niranjana, P. | Exploration of Vocal Fatigue in Trained Carnatic Singers using Vocal Fatigue Index-Version 2 (VFI-2)  |
| 53 | Sri Ranjani, V. | Acoustic Voice Quality Index in young phononormals using SOVT- Frication exercise: comparison of pre-post training |
| 54 | Akshit Anand | Development of a Questionnaire to Assess Psychosocial Issues in Professional Voice Users | Dr. K Yeshoda |
| 55 | Christabale Jane | Effect of phonological and morphological factors on stuttering frequency in children who stutter: a systematic review | Dr. Santosh M**.** |
| 56 | Vijayeshwari  | Effect of phonological and morphological factors on stuttering frequncy in adult who stutter: a systematic review |
| 57 | Keneitsolou koza | Acoustic analysis of lexical tones in 2 naga languages |
| 58 | Amritha Varshini S | Development of vocal education material for professional voice users(singer, teacher and radio jockey) in tunnel | Dr. T Jayakumar |
| 59 | Rini K.R | Development of vocal education material for individuals with puberphonia |
| 60 | Vyshna Babu T | Development of vocal education material for older adults in Malayalam |
| 61 | Madhusudhan B.M | Assessment of voice characterstics through virtual mode (co-guide) |
| 62 | Architaa R.S | Analysis of scholarly communication on VOICE: A Scientometric Study | Dr. R Rajasudhakar |
| 63 | Ashiya Shaima | Student clinician’s perspectives on service delivery in Speech-Language Pathology through Tele-mode  |
| 64 | Syam Krishna V | Characteristics of Clients in AIISH Voice Clinic: A Retrospective Study  |
| 65 | Priyanka N | Development of multi-media manual for school teachers on voice and its disorders  | Dr. Reuben T Varghese |
| 66 | Jeevan R.S | Development of an android based application for intonation training in Children with Hearing Impairment |

**SCIENTIFIC PRESENTATION (TCPD & ENT to be added)**

**Audiology**

1. Chandni Jain, Devi, N., Jyothi, S. & Divya Mary Jose (2021). Parents satisfaction on tele-listening training for children with hearing impairment during COVID-19. Paper presented at the 3rd International Conference of Speech and Hearing Association of India, West Bengal branch (SHAIWBCON), Kolkata (virtual mode).
2. Geetha, C., Chandni Jain & Keerthi, S.P. (2021). Relationship between auditory processing abilities and aided speech perception in noise in elders. Paper presented at the 3rd International Conference of Speech and Hearing Association of India, West Bengal branch (SHAIWBCON), Kolkata (virtual mode).

**DCS**

1. Sangeetha, M., Jyothi, R., & Anu, P. (2021). Effect of word class on disfluencies of monolingual and bilingual school-age children who stutter. Paper presented at the 3rd International Conference of Speech and Hearing Association of India, West Bengal branch (SHAIWBCON), Kolkata (virtual mode).
2. Amulya, P. Rao, Prathima, S. & Sreedevi, N. (2021). Frequency of Consonant Production Errors in Children with Speech Sound Disorder: A Retrospective-Descriptive Study. Paper presented at the 3rd International Conference of Speech and Hearing Association of India, West Bengal branch (SHAIWBCON) (virtual mode).
3. Rushali Thakar., & Prathima, S. (2021). Speech-Language and Swallowing abilities in Lance-Adams syndrome: A case report. Paper presented at III International Conference of Speech and Hearing Association of India West Bengal Branch (SHAIWBCON), Kolkata (virtual mode).
4. Srushti, S., Pushpavathi, M. & Gopi Sankar, R. (2021). Diagnostic Accuracy of Acoustic Voice Quality Index v.02.03 to discriminate across the auditory perceptual based voice severity. Paper presented at the III SHAIWBCON, AYJNISHD (D), Regional Centre, Kolkata.

**SLP**

1. Kavya, V., Swapna, N., Mekhala, V.G., Prabhu, P. & Barman, A. (2020). Oral and Verbal Praxis in Impaired language Learners. Oral presentation at the III Convention of Speech and Hearing Association of India, West Bengal branch (Webinar).
2. Kavya, V., Swapna, N., Mekhala, V. G., Prabhu, P., & Barman, A. (2020). Profiling the Linguistic Patters in Children with Specific Language Impairment. Poster Presentation at the 3rd Convention of Speech and Hearing Association of India, West Bengal branch (Webinar) held from 30-31 January 2021.
3. Srushti, S. (2020). Diagnostic Accuracy of Acoustic Voice quality Index V.02,03 to discriminate across the auditor perceptual based voice severity. Oral presentation at the III Convention of Speech and Hearing Association of India, West Bengal branch (Webinar).

**SLS**

1. Veerabhadrappa, R.C. & Maruthy, S. ODYS2021\_0116: Efficacy of prolonged speech and pause and talk techniques in school-aged children who stutter: a comparison. Paper presented at the 12thOxford Dysfluency Conference (Online event).
2. Veerabhadrappa, R.C., Vanryckeghem, M. & Maruthy, S. ODYS2021\_0023: Adap tation and validation of the Speech Situation Checklist - Emotional Reaction (SSC-ER) for Kannada-speaking school-age children who do and do not stutter. Paper presented at the 12thOxford Dysfluency Conference (Online event).
3. D. S. Devaraju, U.A. Kumar, & Maruthy, S. O9.02. Altered neural mechanisms during audio-visual perception in adults who stutter. Paper presented at the 12th Oxford Dysfluency Conference (Online event).

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1. Palnaty Vijetha. (2021). Teachers’ Knowledge about Hearing Impairment and Referral Services in Ooty, Tamil Nadu. Paper presented at the National conference on Teacher Education in the 21st Century: Vision and Action, Regional Institute of Education, NCERT, Bhopal.

**SEMINAR PROCEEDINGS**

1. Abraham, Ajish K., Pushpavathi, M., Sreedevi, N., Navya, A. & S.R.M Prasanna (2020). Spectral Moment and Duration of Burst of Plosives in Speech of Children with Hearing Impairment and Typically Developing Children – A comparative Study. Proc. Interspeech 2020, 4981-4985.

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**Electronics**

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**BOOKS / BOOK CHAPTERS**

**Audiology**

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**Books/Manuals/Seminar Proceedings edited:**

1. Veerabhadrappa, R. C., Vanryckeghem, M. & Maruthy, S. (Publication date: 2021). CAT-K: Communication Attitude Test in Kannada for School-Age Children Who Stutter. All India Institute of Speech and Hearing (AIISH) Publication, ISBN-13: 978-93-86511-21-8.

2. Veerabhadrappa, R. C., Vanryckeghem, M. & Maruthy, S. (Publication date: 2021). SSC-ER-K: Speech Situation Checklist-Emotional Reaction in Kannada for School-Age Children Who Stutter. All India Institute of Speech and Hearing (AIISH) Publication, ISBN-13: 978-93-86511-20-1.