**ANNUAL REPORT 2018-19**

**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), Department of Bio Technology (DBT), Indian Council of Medical Research (ICMR), the University Grants Commission (UGC) and the Ministry of Human Resource Development (MHRD), Government of India, New Delhi.

**Completed Projects**

**Extramural Research**

1. Efficacy of early language intervention for children with repaired cleft lip & palate. *Investigator:* Dr. M. Pushpavathi. *Funding:* Department of Science and Technology*. Amount:* Rs. 43.20 lakhs.
2. Life satisfaction and quality of life in persons with Aphasia beyond communication. *Investigator:* Dr. S.P. Goswami. *Funding:* Department of Science and Technology*. Amount:* Rs. 4.96 lakhs.
3. TOLD-H: An adaptation of TOLD. *Investigator:* Dr. S.P. Goswami. *Funding:* Department of Science and Technology*. Amount:* Rs. 4.96 lakhs.

**AIISH Funded Research**

1. Computer based audiological evaluation software. *Investigators:* Dr. Hemanth, N &

Dr. Manjula, P.  *Funding:* AIISH Research Fund*. Amount:* Rs. 8.74 lakhs.

1. Estimation of parental consanguinity in children with communication disorders. *Investigator*: Mr. Sreeraj, K., Dr. Jijo, P. M., Ms. Sandhya, K. & Ms. Rashmi Pujar. *Funding:* AIISH Research Fund*. Amount:* Rs. 5.14 lakhs.
2. Development of auditory based applications software for tinnitus treatment. *Investigator*: Dr. Hemanth, N. *Funding:* AIISH Research Fund*. Amount:* Rs. 8.53 lakhs.
3. Life satisfaction and quality of life in persons with aphasia beyond communication. *Investigator*: Dr. S. P. Goswami. *Funding:* AIISH Research Fund*. Amount:* Rs. 4.96 lakhs.
4. Morphosyntactic procession in dyslexia: application of an ERP measure. *Investigator*: Dr. Jayashree C. Shanbal. *Funding:* AIISH Research Fund*. Amount:* Rs. 4.03 lakhs.
5. TOLD-H: An adaptation of TOLD. *Investigators*: Dr. Brajesh Priyadarshi & Dr. S.P. Goswami*. Funding:* AIISH Research Fund*. Amount:* Rs. 4.96 lakhs.
6. A descriptive study on videofluroscopic measures of neurogenic dysphagia in patients with stroke and motor neuron disease. *Investigators*: Dr. S.P. Goswami, Dr. Muralidharan Nair, Dr. Sylaja, Ms. Gayathri Krishnan & Ms. Manju Mohan*. Funding:* AIISH Research Fund*. Amount:* Rs. 4.93 lakhs.
7. Stories of aphasia: exploring paths to recover in India. *Investigators*: Dr. S. P. Goswami & Dr. Julie Hengst*. Funding:* AIISH Research Fund*. Amount:* Rs. 11.99 lakhs.
8. Motor equivalence and speech kinematics in normal and pathological speech production. *Investigators*: Dr. NVSNM Ganesh Sinisetty, Dr. N. Sreedevi & Ms. Irfana, M*. Funding:* AIISH Research Fund*. Amount:* Rs. 4.98 lakhs.
9. Validation of discourse analysis scale in adults with dementia. *Investigator*: Dr. Hema, N. *Funding:* AIISH Research Fund*. Amount:* Rs. 4.93 lakhs.
10. Database on Communication Disorders published in India. *Investigators:* Dr. Shijith Kumar C.S., Nanjunda Swamy, M & Nandeesha, B. *Funding:* AIISH Research Fund*. Amount:* Rs. 3.00 lakhs.

**Ongoing Projects**

**Extramural Research**

1. Development of battery for cognitive communication–Kannada (BCC-K). *Investigators*: Dr. S. P. Goswami*,* Mr. Varun Uthappa, A. G., Dr. Murali Krishnan & Dr. Julie A. Hengst.  *Funding:* Indian Council of Medical Research*. Amount:* Rs. 25.62 lakhs.
2. Elucidation & validation of the burden of DNA variations in autism spectrum disorders to assess the impact on the genetic pathways. *Investigators*: Dr. Ramachandra Rao., Dr. P. Prakash & Dr. Shyamala, K.C*. Funding:* UGC*. Amount:* Rs. 15.76 lakhs.
3. Association of psycho-social & communicative behavior related to genes in children with ASD in an Indian population. *Investigator:* Dr. Shyamala, K.C. *Funding:* Indian Council of Medical Research*. Amount:* Rs. 8.01 lakhs.
4. Tracing the evidence of phonological dyslexia in semi-syllabic orthography. *Investigators:* Dr. Rajashekar, B., Mr. Gopee Krishnan, Ms. Shivani Tiwari, & Dr. Shyamala, K. C., *Funding:* Department of Science and Technology*. Amount:* Rs. 25.45 lakhs.
5. Nasospeech: development of diagnostic system for severity assessment of the disordered speech. *Investigators:* Dr. Ajish K. Abraham, Dr. M. Pushpavathi & Dr. H.V. Sathish. *Funding:* Dept of Biotechnology, *Amount:* 59.69lakhs.
6. Articulate +: a system for automated assessment and rehabilitation of persons with articulation disorders. *Investigators:* Dr. Ajish K. Abraham, Dr. M. Pushpavathi & Dr. N. Sreedevi. *Funding:* Ministry of Human Resource Development & Indian Council of Medical Research. *Amount:* 1.37 crore*.*
7. 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.
8. Efficacy of computer based training module on auditory and cognitive skills in children with CAPD. *Investigators:* Dr. Prawin Kumar& Dr. Niraj Kumar Singh. *Funding:* Department of Science and Technology. *Amount: 28.49* lakhs.

**AIISH Funded Research**

1. Product development of useful products of research carried out at AIISH. *Investigators*: Dr. Prashanth Prabhu, Dr. Priya M.B & Dr. Shijith Kumar C. *Funding:* AIISH Research Fund*. Amount:* Rs. 5.03 lakhs.
2. Relationship between hearing aid benefit and auditory processing abilities in elderly individuals with hearing impairment. *Investigators*: Dr. Geetha, C. & Dr. Chandni Jain. *Funding:* AIISH Research Fund*. Amount:* Rs. 5.05 lakhs.
3. Encoding of speech and music at auditory brainstem (frequency following response) with and without hearing aid. *Investigator*: Dr. Devi, N. *Funding:* AIISH Research Fund*. Amount:* Rs. 4.98 lakhs.
4. Auditory processing in children with speech sound disorders. *Investigator*: Dr. Chandni Jain & Ms. Priya, M. B. *Funding:* AIISH Research Fund*. Amount:* Rs. 5.05 lakhs.
5. Auditory temporal processing in older adults: a behavioural and electrophysiological measures. *Investigators:* Dr. Ganapathy, M.K., Dr. Hemanth, N. & Dr. Prashanth Prabhu. *Funding:* AIISH Research Fund*. Amount:* Rs.5.18 lakhs.
6. Genetics of sensori neural hearing loss. *Investigators:* Dr. K. Rajalakshmi, Dr. Jayakumar, T., Dr. Srinivas, K. & Dr. N. Sreedevi. *Funding:* AIISH Research Fund*. Amount:* Rs.9.28 lakhs.
7. Impact of acoustic stimuli used for various measures of VEMP on the auditory system. *Investigators:* Dr. Niraj Kumar Singh & Dr. Prawin Kumar. *Funding:* AIISH Research Fund*. Amount:* Rs.14.29 lakhs.
8. Reading impairments in Kannada-English bilinguals individuals with fluent & non-fluent types of aphasia. *Investigators:* Dr. Sunil Kumar Ravi, Dr. Pebbili Gopi Kishore & Dr. Shyamala, K. C. *Funding:* AIISH Research Fund*. Amount:* Rs.5.08 lakhs.
9. Filed testing of constant therapy in Hindi & Kannada. *Investigators:* Dr. S.P. Goswami & Dr. Swathi Kiran. *Funding:* AIISH Research Fund*. Amount:* Rs.4.93 lakhs.
10. Executive functions in normal aging and persons with mild cognitive impairment. *Investigators:* Dr. R. Rajasudhakar & Dr. Abhishek, B. P. *Funding:* AIISH Research Fund*. Amount:* Rs.4.98 lakhs.
11. Discourse and working memory in Neuro-typical individuals and adults with aphasia. *Investigator:* Dr. Hema, N. *Funding:* AIISH Research Fund*. Amount:* Rs.4.98 lakhs.
12. Frequency of occurrence of phonemes in Hindi. *Investigator*: Dr. N. Sreedevi. *Funding:* AIISH Research Fund*. Amount:* Rs.4.98 lakhs.
13. A pre-post comparison of vocal loading using infrared thermography in phono-normals. *Investigator*: Dr. R. Rajasudhakar. *Funding:* AIISH Research Fund*. Amount:* Rs.5.03 lakhs.
14. Genetic insights of cerebral palsy using massively parallel sequencing. *Investigator*: Dr. N. Sreedevi. *Funding:* AIISH Research Fund*. Amount:* Rs.12.37 lakhs.
15. Effect of combined tactile, thermal and gustatory stimulation on feeding and swallowing in children with cerebral palsy. *Investigator*: Dr. N. Swapna. *Funding:* AIISH Research Fund*. Amount:* Rs.4.93 lakhs.
16. Automation of Malayalam articulation test using automatic speech recognition techniques. *Investigators*: Dr. Ajish K. Abraham, Dr. Leena Mary & Dr. N. Sreedevi. *Funding:* AIISH Research Fund*. Amount:* Rs.5.00 lakhs.
17. Feasibility of standardized neuropsychological tests in assessment of patients with aphasia. *Investigators*: Dr. Amrita Kanchan & Dr. Nawab A. Khan. *Funding:* AIISH Research Fund*. Amount:* Rs.3.30 lakhs.
18. Development and evaluation of indigenous curriculum oriented computer-based tutor for concept learning in preschool children with special needs. *Investigators*: Ms. P. V. Ramanakumari, Dr. Ajish K. Abraham & Ms. P. V. Manjula. *Funding:* AIISH Research Fund*. Amount:* Rs.6.80 lakhs.
19. Effect of resource materials on impact of inclusive education in children with intellectual disabilities & learning disabilities. *Investigators*: Dr. G. Malar *&* Ms. S. Prathima*. Funding:* AIISH Research Fund*. Amount:* Rs.3.85 lakhs.
20. Design, development and validation of open source platform for AIISH digital repository and online public access catalogue. *Investigators*: Dr. Shijith Kumar C.S., Nanjunda Swamy, M., Nidheesh D., Lokesh P & Raghavendra, G.N. *Funding:* AIISH Research Fund*. Amount:*3.00 lakhs.
21. Product development of useful products of research carried out at AIISH. *Investigators*: Dr. Shijith Kumar C.S., Dr. Prashanth Prabhu P & Dr. Priya M.B. *Funding:* AIISH Research Fund*. Amount:*93 thousands.
22. Design and Development of E-Learning Platform and Faculty Profile System. *Investigators*: Dr. Shijith Kumar C.S., Manohar, N & Malar G. *Funding:* AIISH Research Fund*. Amount:*5.04 lakhs.

**New Research Projects:**

**Extramural Research**

1. Development and validation of RoAS (Robot for Articulatory Simulation). *Investigators*: Dr. Ajish K. Abraham, Mr. Manohar, N., Dr. N. Swapna & Ms. Renuka, C*.* Department of Science & Technology*. Amount:* Rs.32.27 lakhs.
2. Auditory and cognitive consequences of dys-synchronours auditory nerve activity. *Investigators:* Dr. Ajith Kumar U & Dr. Sandeep M*, Funding:* Department of Science & Technology*. Amount:* Rs.44 lakhs.
3. Neuro-audiological profiling of children with special language impairment. *Investigators:* Dr. Animesh Barman, Dr. Swapna N & Prashanth Prabhu*, Funding:* Department of Science & Technology*. Amount:* Rs.33.88 lakhs.
4. Auditory and cognitive consequences of dys-synchronous auditory nerve activity. *Investigators:* Ajith Kumar U*, Funding:* Department of Science & Technology*. Amount:* Rs.33.28 lakhs.
5. SENSE-COG Asia: An open label feasibility study of a supportive hearing intervention in dementia (Initiated). *Investigators:* Dr. Iracema Lerol, Dr. Nusrat Husain, Dr. S P Goswami & Dr. Murali Krishna, Dr. M Sandeep, *Funding:* University of Manchester*. Amount:* £36,674.
6. Cognitive Stimulation Therapy (CST) 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:* ICMR, New Delhi, *Amount: Yet to release.*
7. 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*, Amount: 1.05 crore (sanctioned yet to initiated)*

**AIISH Funded Research**

1. Electrophysiological assessment of auditory and vestibular neural functioning in individuals with diabetes mellitus. *Investigators*: Dr. Prawin Kumar, Dr. M. Bhanukumar, Dr. Niraj Kumar Singh, Mr. Vipin Ghosh & Dr. Kumari Apeksha*. Funding:* AIISH Research Fund*. Amount:* Rs.4.88 lakhs.
2. Development of phonemically balanced word lists in Tamil language for adults. *Investigators*: Dr. Geetha, C. & Dr. Devi, N. *Funding:* AIISH Research Fund*. Amount:* Rs.4.88 lakhs.
3. Relationship between auditory abilities and iron deficiency anemia in adolescent girls. *Investigators*: Dr. Chandni Jain, Dr. Chetak, K. B. & Mr. Vipin Ghosh. *Funding:* AIISH Research Fund*. Amount:* Rs.5.33 lakhs.
4. 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. *Investigators*: Dr. Ajith Kumar, U. & Dr. Nisha, K.V. *Funding:* AIISH Research Fund*. Amount:* Rs.4.85 lakhs.
5. Behavioral and electro physiological correlates of lexical semantic activation in high and low proficient bilinguals. *Investigators*: Dr. Sandeep, M., Dr. Abhishek, B. P. & Dr. Chandni Jain. *Funding:* AIISH Research Fund*. Amount:* Rs.4.88 lakhs.
6. Speech identification in the non-aided ear in monaural hearing aid users. *Investigator*: Dr. Asha Yathiraj. *Funding:* AIISH Research Fund*. Amount:* Rs.4.93 lakhs.
7. Development of AIISH hyperacusis assessment toolbox for individuals with tinnitus associated with hyperacusis. *Investigator*: Dr. Prashanth Prabhu, P. *Funding:* AIISH Research Fund*. Amount:* Rs.4.93 lakhs.
8. Design and development of e-learning platform and faculty profile system. *Investigators*: Dr. Shijith Kumar, C., Mr. Manohar, N. & Dr. Malar, G. *Funding:* AIISH Research Fund*. Amount:* Rs.4.68 lakhs.
9. Development of speech enabled communication tool for clients with speech impairment in Kannada. *Investigator*: Mr. Manohar, N. *Funding:* AIISH Research Fund*. Amount:* Rs.4.95 lakhs.
10. Development and validation of a mobile application tool for arithmetic concept teaching for preschoolers. *Investigators*: Ms. Renuka, C., Dr. Swapna, N. & Ms. Lakshmi Prabha, J. K. *Funding:* AIISH Research Fund*. Amount:* Rs.7.88 lakhs.
11. Prevalence and risk factors for voice problems and effect of voice projection training in Imans. *Investigator*: Dr. Jayakumar, T. *Funding:* AIISH Research Fund*. Amount:* Rs.4.88 lakhs.
12. Development of a preliminary test for assessment of prosody in children with SLI. *Investigators*: Dr. N. Sreedevi & Dr. Sangeetha, M. *Funding:* AIISH Research Fund*. Amount:* Rs.4.88 lakhs.
13. Behavioural and electrophysiological (P300) correlates for visual and auditory process in alzheimer’s diseases. *Investigators*: Dr. Hema, N. & Dr. Devi, N. *Funding:* AIISH Research Fund*. Amount:* Rs.4.88 lakhs.
14. Vocal dose and immediate effects of the straw phonation exercises on parameters of vocal loading in carnatic classic singers. *Investigators*: Dr. Santhosh, M. & Dr. Usha Devadas*. Funding:* AIISH Research Fund*. Amount:* Rs.4.83 lakhs.
15. Construction and validation of a short version of the impact scale for assessment of cluttering and stuttering (ISACS). *Investigators*: Dr. Santhosh, M. & Dr. Pallavi Kelkar*. Funding:* AIISH Research Fund*. Amount:* Rs.4.83 lakhs.
16. Standardization of linguistic profile test (LPT) in Tamil. *Investigator*: Dr. T. Jayakumar. *Funding:* AIISH Research Fund*. Amount:* Rs.4.88 lakhs.
17. Development and standardization of western aphasia battery in Tamil. *Investigator*: Dr. Hema, N. *Funding:* AIISH Research Fund*. Amount:* Rs.4.88 lakhs.
18. Perception and production of prosody in children with hearing impairment. *Investigators*: Dr. Yeshoda, K. & Dr. Sreeraj, K. *Funding:* AIISH Research Fund*. Amount:* Rs.4.93 lakhs.
19. Development and standardization of reading passages for children in Kannada. *Investigator*: Dr. Sangeetha Mahesh. *Funding:* AIISH Research Fund*. Amount:* Rs.4.93 lakhs.
20. Development of an objective tool for aphasia assessment through artificial neural networks. *Investigators*: Dr. S.P. Goswami & Dr. Abhishek, B.P. *Funding:* AIISH Research Fund*. Amount:* Rs.4.83 lakhs.
21. Short term correlations between speech motor variability and behavioural dysfluencies in persons with stuttering following fluency shaping therapy. *Investigators*: Dr. Anjana B. Ram. & Mr. Mahesh, B. V. M*. Funding:* AIISH Research Fund*. Amount:* Rs.4.85 lakhs.
22. Development and validation of a screening tool for detection of dysphagia in neonates. *Investigator*: Dr. Swapna, N. *Funding:* AIISH Research Fund*. Amount:* Rs.4.93 lakhs.
23. Automatic quantification of the glottal area in the stroboscopic videos using deep neural network. *Investigators*: Dr. P. Gopikishore, Mr. Rahul Krishnamurthy, Dr. Prasanta Kumar Ghosh, Dr. Suja, S. & Dr. T. K. Prakash. *Funding:* AIISH Research Fund*. Amount:* Rs.9.86 lakhs.
24. Cognitive linguistic intervention program for children at risk for learning disability. *Investigators*: Dr. Jayashree C. Shanbal & Mr. Hariharan, V. *Funding:* AIISH Research Fund*. Amount:* Rs.4.93 lakhs.

**Doctoral Research**

Totally, thirteen students completed their doctoral research during the reporting year, and among them eight were awarded the degree and the remaining five was under evaluation. In addition, 59 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.

1. **Doctoral Research – Completed (13 nos)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Candidate** | **Topic** | **Guide** | **Status** |
|  Amulya P. Rao | Effect of Vowel Contexts And Phoneme Positions on Articulation of Phonemes in Children with Speech Sound Disorders: Pre-Post Therapy Comparison | Dr. N. Sreedevi | Awarded |
| Pebbili Gopi Kishore | Efficacy of Eclectic Voice Therapy Program in the Treatment of Hyper Functional Voice Disorders | Dr. M. Pushpavathi  | Awarded |
| Sreeraj, K. | Comprehensive Audiological Characterization of Tinnitus in Individuals with Normal Hearing | Dr. P. Manjula  | Awarded |
| Nisha, K. V | Effects of Training on Regime on Behavioural and Electrophysiological Correlates of Auditory Spatial Processing in Individuals with Sensorineural Hearing Impairment | Dr. U Ajith Kumar  | Awarded |
| M.P. Reuben Jebaraj | The Influence of Hearing Aid Fitting Strategies on Speech Recognition in Individuals with Sloping Hearing Loss | Dr. P. Manjula  | Awarded |
| Kumari Apeksha | Effect of Noise and Amplification on Speech Perception in Individuals with Auditory Neuropathy Spectrum Disorder: Electrophysiological and Behavioural study. | Dr. Ajith Kumar, U. | Awarded |
| Jithin Raj, B.  | Auditory, Neurophysiological and Cognitive Factors of Hearing aid, Acclimatization in Individuals with Cochlear Hearing Loss  | Dr. M. Sandeep  | Awarded |
| G. Nike Gnanateja  | Effect of Speech intelligibility on the cortical entrainment to the temporal envelop of speech  | Dr. Sandeep M. | Awarded |
| Mahesh, B. V. M. | Influence of Second Language (English) Proficiency on Speech Motor Variables in Bilinguals who Stutters  | Dr. R. Manjula  | Submitted |
| Yashaswini, R.  | Presymbolic Dyadic Communication Behaviors in Typically Developing Children and Children with Intellectual Impairments (06-1.6 years): A Comparative Study) | Dr. R. Manjula  | Submitted |
| Yashomathi  | Comparison of Syntax in Indian Sign Language between Two Dialects  | Dr. R. Manjula  | Submitted |
| Shylaja, K.  | Test Battery for Symbolic Communication Skills in 2-4 year Typically Developing Children  | Dr. R. Manjula  | Submitted |
| Megha | Perceptual, Cognitive and Neurophysiological Bases of Hearing Aid Acclimatization | Dr. M. Sandeep  | Submitted |

1. **Doctoral Research- Ongoing (58 Nos.)**

| **Sl.No.** | **Name of the candidate** | **Topic** | **Guide** |
| --- | --- | --- | --- |
|  | Sunitha Sendhilnathan | Effectiveness of a Parent Implemented Training Program for Bilingual Children with Autism Spectrum  | Dr. K. C. Shyamala  |
|  |  Sahana M.  | Development of Deep Test of Articulation for Pressure Consonants in Kannada for Persons with Cleft Lip and Palate  | Dr. M. Pushpavathi  |
|  |  Priyanka V.  | Temporal Processing, Speech Perception in Noise and Auditory Working Memory in Vocalists, Violinists and Non-Musicians  | Dr. K. Rajalakshmi  |
|  | Arunraj K.  | Clinical Validation of Wideband Absorbance Tympanaometry in Detecting Middle Ear Disorders | Dr. Animesh Barman |
|  | Dhanya M. | Preceptual Cues of Coarticulation in normal hearing and individuals with hearing impairment in Malayalam | Dr. M. Sandeep |
|  | Dhatri S. Devaraju | Behavioral and Electrophysiological Correlates of Auditory-Visual Integration in Persons with Stuttering | Dr. U. Ajith Kumar |
|  | Jawahar Anthony P. | 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 |
|  | Pavan M. | Investigation of Mechanisms Underlying Poor Speech Perception in Individuals with Cochlear Hearing Loss based on Recovered Envelope Cues and the Contribution of Temporal Fine Structure Cues in Sequential Stream Segregation | Dr. K. Rajalakshmi |
|  | Srikar V.  | 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 |
|  | Amoolya G. | Bilingual Effect on Written Language Skills in Kannada-English Bilingual-Biliterate with learning disability. | Dr. Jayashree C. Shanbal |
|  | Deepthi K. J.  | Preschool children with cleft lip & palate | Dr. M. Pushpavathi |
|  | Lakshmi S. Mohan | Development of a PredictiveScreening tool in Malayalam for Autism Spectrum Disorders | Dr. Jayashree C. Shanbal |
|  | Sharon Susan Sam | Effect of Mapping on Novel Word learning in Malayalam-English Bilingual Children  | Dr. Jayashree C. Shanbal |
|  | Aparna V. S. | Speech and Language Outcomes in School Going Children after Early Primary Cleft Palate Repair  | Dr. M. Pushpavathi |
|  | Manju Mohan P | Novel Word Learning in Persons with Epilepsy  | Dr. S. P. Goswami |
|  | N. M. Mamatha | Effect of auditory processing abilities on academic performance in Kannada speaking primary school children | Dr. Asha Yathiraj |
|  | Priyanka | Generalization of fluency to untreated language in bilinguals who stutter | Dr. Santosh, M. |
|  | Rakesh Gatla | Effect of Exposure to Below -Damage Risk Criteria Environmental Noise on Auditory Processing abilities | Dr. Sandeep, M. |
|  | Yashaswini L. | Categorical Perception and Processing of Speech and Music stimuli in individuals with and without music training  | Dr. Sandeep, M. |
|  | Reuben Thomas Varghese | Comparison of Early Cognitive- Communicative Deficits between Persons with Dementia of Alzheimer’s Type(DAT) and Mild Cognitive Impairment (MCI) | Dr. S. P. Goswami |
|  | S. S. Vignesh | Auditory Vestibular Functions in Individuals with Multiple Sclerosis | Dr. K. Rajalakshmi |
|  | Anuprasad S. | Auditory Processing and Auditory Working Memory in Children with Benign Epilepsy with Centrotemporal Spikes | Dr. K. Rajalakshmi |
|  | Prajna Bhat J. | Brainstem Neurophysiological Correlates of Pitch Coding in Vocal and Instrument Musicians | Dr. K. Rajalakshmi |
|  | Darga Baba Fakruddin | Effect of Age, Hearing Loss and Working Memory on Speech Recognition in Naive Hearing aid Users | Dr. K. Rajalakshmi |
|  | Anoop B. J. | Cognitive and ERP Measures of Informational Masking in Young and Elderly Normal Hearing Individuals | Dr. Ajith Kumar, U. |
|  | Shreyank P Swamy | Comparison of Contralateral Suppression of Otoacoustic Emissions between Children with APD and Children with ADHD | Dr. Asha Yathiraj |
|  | Shubha Tak | Loudness Perception in Children Using Hearing Aids and Children Using Cochlear Implants | Dr. Asha Yathiraj |
|  | Vikas M. D. | Effects of Temporal Resolution, Working Memory, and Personality on Hearing Aid Benefit in Older Adults | Dr. Manjula, P. |
|  | Anitha Naittee Abraham | 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 | Acoustic and Articulatory Characteristics of Malayalam Speaking Children Using Cochlear Implant | Dr. N. Sreedevi |
|  | Divya Seth | Efficacy of Response Cost Treatment in Pre-School Children Who Stutter | Dr. Santosh, M. |
|  | Gayathri Krishnan | Effect of Bolus Characteristics and Head Position on Respiratory-Swallow Coordination | Dr. S. P. Goswami |
|  | Niharika M. K. | Cognitive -Linguistic Processing in Native Adult Speakers of Kannada | Dr. Prema, K. S.  |
|  | Nirmal Sugathan | Comparison of Phonological Processing between Children Who Persist and Recover from Stuttering | Dr. Santosh, M. |
|  | Geetha S. | Development of metapragmatic tool for adolescents n Malayalam and its validation on Children with Specific learning disorder | Dr. K.C. Shyamala  |
|  | Shubaganga D | Influence of education, employment and gender on auditory processing and cognition in older adults | Dr. Asha Yathiraj |
|  | Priyanka Jaisinghani | Validation of Speech Enhancement and Noise Reduction Strategies in Individuals with Sensorineural Hearing Loss and Auditory Neuropathy Spectrum Disorders. | Dr. Manjula, P. |
|  | Sreena E. N.  | Preferred Compression Amplification Setting for Individuals with Varying Audiogram Configuration | Dr. Manjula, P. |
|  | Merin Mathews | Audio-Visual Speech Perception in Individuals with ANSD: Effect of Audio-Visual Training Evidenced through ERP and Behavioural Measures. | Dr. K. Rajalakshmi |
|  | Krupa Saira George | Effect of Native and Non-Native Babble Background on Speech Identification of Individuals with Normal Hearing and Hearing Impairment | Dr. K. Rajalakshmi |
|  | Sahana, V.  | Auditory and cognitive profiling in normal hearing individuals with occupational noise exposure | Dr. Ajith Kumar, U. |
|  | Jim Saroj Winston | Effect of short-term musical training on psycho-acoustical, electrophysiological and working memory measures | Dr. Ajith Kumar, U. |
|  | Priyadarshini K.  | 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. | Auditory brainstem responses and oto-acoustic emissions in infants born to mothers with iron deficiency anaemia | Dr. Ajith Kumar, U. |
|  | Reesha O. A.  | Efficacy of Computer-Based Auditory Separation Training in Children with Auditory Processing Disorders. | Dr. Prawin Kumar |
|  | Sushma Manjunath | Development and validation of therapy protocol for compensatory articulation in children with repaired cleft lip and palate  | Dr. M. Pushpavathi |
|  | Srushti Shabnam | Acoustic voice quality index based dysphonia severity classification | Dr. M. Pushpavathi |
|  | Girish K. S.  | Development of norms for Nasospeech in typically developing children | Dr. M. Pushpavathi |
|  | Manju S.  | Speech and language development in Malayalam speaking toddlers with repaired cleft lip and palate | Dr. M. Pushpavathi |
|  | Nikitha M.  | Gestural Processing in Aphasia | Dr. S. P. Goswami |
|  | Vineetha Sara Philip | Symbolic Language abilities for aided communication in persons with aphasia | Dr. S. P. Goswami |
|  | Sonam Belliappa M.  | Use of chin-tuck against resistance and neuromuscular electrical stimulation for swallow function in Parkinsons disese: acomparative study | Dr. S. P. Goswami |
|  |  Darshan, H. S.  | A comparative study on Statistical Learning abilities in Persons with Aphasia and neurotypical individuals | Dr. S. P. Goswami |
|  | Deepak P.  | Efficacy of VNEST in Persons with Aphasia | Dr. S. P. Goswami |
|  |  Rakesh C. V.  | Efficacy of Prolong Speech and Pause and Talk techniques in School-aged children with stuttering: A comparison. | Dr. Santosh, M. |
|  | Jyothi S.  | 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. |
|  | Sneha Mareen Varghese | Graphophonological-Symantic flexibility and reading comprehension in children with dyslexia | Dr. Jayashree C. Shanbal |
|  |  Ranjitha R.  | Development and standardization of a test battery to evaluate phonological representations in Malayalam speaking pre-school children | Dr. N. Sreedevi |

**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 our 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 (72 Nos.) in table 4.

**Table 3: Completed postgraduate research**

| **Sl. No.** | **Candidate** | **Topic** | **Guide** |
| --- | --- | --- | --- |
|  | Adithya Sugathan | Chained frequency specific tone burst stimuli for aided ABR threshold estimation in individuals with SNHL | Mr. Sreeraj, K. |
|  | Aishwarya Lakshmi | Comparison of objective and subjective approaches for verification of RIC hearing aids | Dr. Manjula, P. |
|  | Akriti Kumar | Phonotatic Development in 3-4 years old Native Hindi Speaking Children | Dr. N. Sreedevi |
|  | Ameena | Diadochokinesis in individuals with remitting-relapsing multiple sclerosis | Dr. Swapna, N. |
|  | Amruthavarshini B | Comparison of performance on SPIN-K between non-native Kannada speakers having Malayalam as native language and native Kannada speakers | Dr. Asha Yathiraj |
|  | Anagha Balachandran | Verbal working memory and discourse level | Dr. Jayashree C. Shanbal |
|  | Ananya Basappa | Evaluation of temporal processing abilities in individuals with hypertension. | Mr. Prashanth Prabhu, P. |
|  | Angeline | Development of video for counseling hearing aid users and check its efficacy using hearing aid handling skills | Dr. Rajalakshmi, K. |
|  | Anup Ghimire | Development of low frequency word lists in Nepali language | Mr. Prashanth Prabhu, P. |
|  | Bhavana P.V | Adaptation and Standardization of revised craig Handicap assessment and reporting technique (CHART) in Kannada  | Dr. S. P. Goswami |
|  | Chaitra K C | Binaural Interaction Component for Speech Evoked ABR in Older adults. | Mr. Ganapathy, M. K. |
|  | Chandan R | Noise induced hearing loss effect and awareness in city bus drivers | Dr. Rajalakshmi, K. |
|  | Chandan Kumar Nayak | Gap detection test using MLP -Development of normative in children (9-11 years) | Dr. Chandni Jain |
|  | Devika Vinod | Vocal Fundamental Frequency in Speakers of Kannada, Malayalam and Tamil | Dr. K. Yeshoda |
|  | Disha Chadda | Fast mapping in bilingual children | Shyamala K.C |
|  | Disha P Karnad | Evaluation of distortion product otoacoustic emission input output function in individuals with auditory neuropathy spectrum disorder | Mr. Prashanth Prabhu, P. |
|  | Divya Vinod | Comprehension of sentence ambiguities in English speaking children | Dr. Jayashree C. Shanbal |
|  | Divyashree, K. N. | Acquisition of Clusters in Typically Developing Kannada Speaking Children – 3 to 6 years | Dr. N. Sreedevi |
|  | Eliza Baby | Lexical semantic organisation in neuro typical individuals | Dr. Abhishek, B. P. |
|  | Harish Kumar M. K | Effect of attitude towards hearing loss on hearing aid outcomes | Dr. Manjula, P. |
|  | Jain Slesha, N. | Comparison of performance on SPIN-K between non-native Kannada speakers having Hindi as native language and native Kannada speakers | Dr. Asha Yathiraj |
|  | Juanita Sharon George | Conversation strategies used by persons with aphasia in varee communication settings | Dr. S. P. Goswami |
|  | Jyotsna | Lexical activation in Kannada-English neuro typical adults: An exploratory study | Dr. Abhishek, B. P.  |
|  | Khatri Ehteshaam Anwar Hussein | Effect of Varying Interstimulus Interval on Multifrequency ABR | Dr. Sandeep, M. |
|  | Mangal Yadav | Sentence perception abilities in presence of noise among hearing aid users | Dr. Prawin Kumar |
|  | Mayelmeit Lepcha | Vestibular problem in individuals with sensorineural hearing loss | Dr. Sujeet Kumar Sinha |
|  | Mayur Pathak | Speech evoked aided cortical potentials in adults using hearing aids | Dr. Prawin Kumar |
|  | Md Yaseen | Vocal Symptoms and voice characteristics of imams | Dr. T. Jayakuamr |
|  | Megha, K. N. | Effect of noise exposure and aging on ABR and OAEs | Mr. Sreeraj, K. |
|  | Nayana, P. V. | Lexical Neighbourhood Test for Children in Malayalam (LNT-M) | Dr. Asha Yathiraj |
|  | Nepoleon, S. | Working Memory in Children with Speech Sound Disorder | Ms. Priya, M. B. |
|  | Nikhil, J. | Internet based cognitive behavioural therapy for adults with tinnitus in India | Dr. Rajalakshmi, K. |
|  | Pooja Sreeram | Verbal working memory and reading comprehension of Syntactic Ambiguities in Typically Developing Children | Dr. Jayashree C. Shanbal |
|  | Prithivi, T. | Gap detection test using MLP -Development of normative in children (7-9 years**)** | Dr. Chandni Jain |
|  | Priyadharshini, V. | Sentence processing in children with and without SLI | Dr. R. Rajasudhakar |
|  | Priyanka, T. | Rhythm Pattern of English in Adult Native Kannada Speakers | Dr. N. Sreedevi |
|  | Radhika Mathur | Correlation of self-assessment measures for tinnitus handicap with quality of life and its relation to psychoacoustic factors | Mr. Sreeraj, K. |
|  | Raja Suman | The influence of Proficiency of the non-native background language on Speech recognition of native language | Dr. Geetha, C. |
|  | Rajesh | The effect of insertion gain and preferred gain on speech intelligibiliy | Dr. Geetha, C. |
|  | Rakshata | Fast mapping in children with intellectual disability | Shyamala K.C |
|  | Rakshith | Assessment of Localization and Cognitive Ability in Individuals with Hearing Impairment: A study on Simulated Road Traffic Environment | Dr. Hemanth, N. |
|  | Reshli Y V | Working day vocal loading effect on voice parameters in mathematics and malayalam language teachers: a comparative study | Dr. R. Rajasudhakar |
|  | Reshmita | Lexical semantic activation in high and low proficient adults | Dr. Abhishek, B. P. |
|  | Rashmi R. Singh | Overall Assessment of Speakers Experience of Adolescents in Indian C. Ontext | Dr. Sangeetha. M. |
|  | Rose Leema K. | F2 Transition in Vowel to Vowel Context in Children with Stuttering | Dr. Sangeetha M. |
|  | Revathi R. | Relation between Notes, Scales, Swaras, Octaves and their Corresponding Frequencies | Dr. K. Yeshoda |
|  | Rucha | Efferent Auditory Pathway and language learning | Dr. Ajith Kumar, U. |
|  | Runali Patil | Effects of Prolonged Exposure to Air Conditioners on Voice Quality: A Preliminary Study | Dr. K. Yeshoda |
|  | Sabina Shameen Taj | Maternal linguistic measures of children with repaired cleft lip and palate and typically developing children  | Dr. M. Pushpavathi |
|  | Sam Publius, A. | Practice effects of odd ball paradigm in P300 responses | Dr. Sandeep, M. |
|  | Santoshi | Objective measures of strength and endurance of lips and tongue in typically developing indian children | Dr. Swapna, N. |
|  | Seshasri | Acousic voice quality index in Kannada speaking children in the age range of 10-12 years | Dr. Pebbili Gopi Kishore  |
|  | Shezeen | Relationship between contralateral inhibition of otoacoustic emissions and speech perception in noise: effect of signal to noise ratio and linguistic load | Dr. Ajith Kumar, U. |
|  | Shilpa Abraham | Measure of vocal stability in female trained singers and nonsingers | Dr. K. Yeshoda |
|  | Shiyaam Sundar | Outcome of experienced users of wireless synchronization digital hearing aids using Speech, Spatial and Qualities questionnaire. | Dr. Geetha, C. |
|  | Shruthi, G. N. | Effect of noise on context dependant brainstem encoding of speech | Dr. Sandeep, M. |
|  | Spoorthi Niranjana | Adaptation and Standardization of Community integration questionnaire (CIQ-R) to kannada Language | Dr. S. P. Goswami |
|  | Sujan | Frequency Discrimination Treatment and Relapse on Tinnitus: A Single Subject Design | Dr. Hemanth, N. |
|  | Sumanth | Language skills in 7 to 10 years children with repaired cleft palate  | Dr. M. Pushpavathi |
|  | Suprabha Kappadi | Effect of Occupational Noise exposure on Efferent Auditory System. | Mr. Ganapathy, M. K. |
|  | Tanvi Bhingare | Auditory and visual recall abilities in neurotypical adults | Shyamala K.C |
|  | Tasni Jahan | Vocal characteristics in 3rd semester pregnant women | Dr. T. Jayakuamr |
|  | Udhayakumar R | Comparison of syllabic and dual compression on non-linear hearing aid processed Malayalam chimeric sentences | Dr. Devi, N. |
|  | Vandana | Lexical access in persons with remitting-relapsing multiple sclerosis | Dr. Swapna, N. |
|  | Varsha | Auditory working memory skills in normal hearing individuals exposed industrial noise | Dr. Ajith Kumar, U. |
|  | Varsha, C. S. | Relationship between some aspects of Temporal processing and speech in noise scores in individuals with normal hearing | Dr. Animesh Barman |
|  | Vasupradaa | Adaptation of Rapid Automatized Naming Test in Tamil (RAN-T) | Dr. R. Rajasudhakar |
|  | Vinayagar, P. T. | Comparison of syllabic and dual compression on non-linear hearing aid processed Kannada chimeric sentences | Dr. Devi, N. |
|  | Vishwaraj | Prevalence and audiological characteristics of single sided deafness in individuals with sensorineural hearing loss reported to AIISH 2015-2018 | Dr. Hemanth, N. |

**Table 4: Ongoing Postgraduate Research**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Candidate** | **Topic** | **Guide** |
|  | Aakanksha Pandey | Effect of physical activity on P300 and working memory | Dr. Chandni Jain |
|  | Abinaya, R. | Psychoacoustic measure of Temporal processing and speech perception in older adults with normal hearing and Hearing aid users of 4 channel V/s 12 channel hearing aids. | Dr. K. Rajalakshmi |
|  | Acharekar Rashmi Madhukar | Evaluation of utricular function using ocular vestibular evoked myogenic potentials and subjective visual vertical test in Individuals with sensorineural hearing loss without vestibular disease | Dr. Sujeet Kumar Sinha |
|  | Advaith, B. | Cross sectional study of personality, Anxiety and depression in individuals with Auditory neuropathy spectrum disorders | Ms. Mamatha, N. M. |
|  | Ajay, H. M. | Audiometric profiling on small scale flour mill workers | Dr. K. Rajalakshmi |
|  | Amit Kumar  | Sensitivity and specificity of smartphone based hearing testing applications | Dr. Ganapathy |
|  | Anarse Chhandase Shrikanth | Functioning of olivocochlear bundle and speech perception in noise: Effect of Age | Dr. Ajith Kumar, U. |
|  | Anupama, R. | Relationship between contralateral inhibition of otoacoustic emissions and speech perception in noise: Effect of age, signal to noise ratio and masker | Dr. Ajith Kumar, U. |
|  | Anusmitha Mathew | Assessment of disfluencies as a predictor of cognitive effort in ageing. | Dr Anjana B. Ram |
|  | Aparna, U. | Effect of speech babble on listening effort and mental fatigue in Malayalam-Kannada bilingual speakers | Dr. Hemanth, N. |
|  | Arpitha, V. | Reading in Kannada-English biliterate children with developmental dyslexia: a study through eye-tracking method  | Dr. Jayashree. C Shanbal |
|  | Ashique Rahman, M. | Effect of Yoga on Auditory processing abilities in older adults | Ms. Mamatha, N. M. |
|  | Bhalerao Sanketh Satish | Effect of physical activity on psychophysical abilities and speech perception in noise | Dr. Chandni Jain |
|  | Biswajith Pradhan | Contalateral suppression of Distortion product otoacoustic emission fine structure on Industrial workers | Dr. Prawin Kumar |
|  | Celestial Lydia | Dysphonia Severity Index in Phononormic Young Adults Using the *Praat* Program | Dr. Pebbili Gopi Kishore |
|  | Dafiah, P. M. | Effect of Sour and Carbonated Liquid Bolus on Hyolaryngeal Elevation during Swallow | Dr. Swapna, N. |
|  | Darshan Hiremath | Effect of speech enhancement on listening effort and fatigue in individuals with hearing impairment older adults | Dr. Hemanth, N. |
|  | Divya Mary Jose | Effect of hearing aid bandwidth on speech identification in children using bimodal devices | Dr. Manjula, P. |
|  | Durga, S. | Effect of hearing aid bandwidth on cortical evoked responses in bimodal cochlear implantees | Dr. Manjul, P. |
|  | Durga S. Kumar | Prevalence of auditory neuropathy spectrum disorders in children (January 2018 - December 2018) | Dr. Prawin Kumar |
|  | Faheema Luquman Ali | Cortical encoding of speech and non speech in Individuals with Auditory neuropathy spectrum disorders | Dr. Ganapathy |
|  | Gowtham, H. S. | Effect of language familiarity on assessment of stuttering behaviours by speech language pathologists across indian languages | Dr Anjana B. Ram |
|  | Hima Nair | Immediate Effects of Laryngeal Manual Therapy on Voice Quality in Individuals With Muscle Tension Dysphonia | Dr. Pebbili Gopi Kishore |
|  | Jagrati Sharma | Music touches where words alone can’t | Dr. K. Rajalakshmi |
|  | Jumana Mithalaj, A. K. | Effect of vocal musical training on temporal resolution, frequency discrimination and speech perception in noise in children | Dr. Ajith Kumar, U. |
|  | Kamalakannan, K. | Influence of number of frequency bands, envelope and fine structure cues on perception of tamil chimeric sentences | Dr. N. Devi |
|  | Kavitha, G. S. | Input/output function of DPOAE in instrumental musicians | Dr. Sreeraj, K. |
|  | Kavya S. Murthy | Contralateral suppression of distortion product otoacoustic emissions input-output function in individuals with auditory neuropathy spectrum disorders  | Dr. Prasanth Prabhu, P |
|  | Khyathi G. Jain | Measures of Hyolaryngeal Excursion in Post stroke Survivors for Different Bolus Volumes and Viscosities | Dr. Swapna, N. |
|  | Kishore Kumar Bharshetty | Outcome evaluation of listening training interventions with/ without focused counseling on experiences of caregiver’s having children with hearing impairment  | Ms. Mamatha, N. M. |
|  | Kriti Arora | Effect of type of stimuli on the benefit derived from envelope enhancement in individuals with ANSD | Dr. Sandeep, M. |
|  | Lavanya, H. S. | Clinical utility of various binaural interaction tests in the assessment of CAPD | Dr. Chandni Jain |
|  | Malavika Salim | Objective measures of strength and endurance of lips and tongue in healthy adults in India | Dr. Swapna, N. |
|  | Manasa | Perceptual analysis of speech in individuals with repaired cleft palate: An insight into few variables. | Dr. Pushpavathi, M. |
|  | Minu | Surface Electromyographic Assessment of Laryngeal Muscle Tone in Phononormic Adults | Dr. Pebbili Gopi Kishore |
|  | Manish, V. | Effect of speech sample size on the frequency of stuttering like disfluencies (SLD) in adults who stutter | Dr. Santosh, M. |
|  | Anitta | Cognitive flexibility in high end low proficient bilinguals  | Dr. Abhishek, B. P. |
|  | Deeepa | Working Memory Assessment in individuals with and without Aphasia using distinct [semback] linguistic processing ability  | Dr. Hema, N. |
|  | Farzeena | To be finalized  | Dr. T. Jayakumar |
|  | Karunika |  Working memory assessment in individuals with and without aphasia using distinct [synback] linguistic processing ability  | Dr. Hema, N. |
|  | Malavi Srikar | Lexical semantic activation in younger and older adults  | Dr Abhishek, B. P. |
|  | Navya, K. | Prevalence and risk factors for voice problems and effect of voice projection training in Imams  | Dr. T. Jayakumar |
|  | Renita | Standardization of Linguistic Profile Test (LPT) in Tamil | Dr. T. Jayakumar |
|  | Shalini | Effects of Steady and Fluctuating Semi-Occluded Vocal Tract Exercises on few Acoustic and Electro glottographic parameters of Voice in phono - normals | Dr. R. RajaSudhakar |
|  | Shital Jambule | Design fluency and macro linguistic aspects of narratives in elderly individual with and without Mild Cognitive Impairment  | Dr. Hema, N. |
|  | Sivaranjini | Effect of phonation types on vocal fold adduction in Phono-normal individuals | Dr. R. RajaSudhakar |
|  | Spoorthi, C. | Lexical and semantic bases for new word learning  | Dr Abhishek, B. P. |
|  | Vishali |  Acoustic Voice Quality Index in Tamil language | Dr. R. RajaSudhakar |
|  | Amrutha, J. | Effect of vocal loading on self perceptual and acoustic parameters in Carnatic singers | Dr. Santosh, M. |
|  | Keren, O. B. | Vocal Fatigue using Vocal Fatigue Index (VFI): A Comparison among Different Levels of School Teachers | Dr. K. Yeshoda |
|  | Krithika, G. | Differences in Singing Pedagogy Across Vocalists Trained in Carnatic and Hindustani Styles: A Questionnaire-based Study | Dr. K. Yeshoda |
|  | Susan | Comparison of habitual and high-pitched phonation tasks between teachers with and without vocal fatigue | Dr. Santosh, M. |
|  | Thanuja, D. | Acoustic Characteristics of Pain Cry in the First 3 Months of Life: A Longitudinal Study | Dr. K. Yeshoda |
|  | Namratha.V | Short term effects of speech motor skill learning on lip aperture variability and kinematic duration in persons with stuttering | Mr. Mahesh, B. V. M. |
|  | Neha Banerjee | Evaluation of auditory stream segregation in individuals with cochlear pathology and auditory neuropathy spectrum disorder  | Dr. Prasanth Prabhu, P. |
|  | Patil Mohini Shirish | Assessment of otolith organs and semicircular canal function in individuals with diabetes mellitus | Dr. Sujeet Kumar Sinha |
|  | Penwal Suman | Effect of cross motor activities on auditory integration | Dr. Asha Yathiraj |
|  | Pratyasha Jamuar | Representation of concrete and abstract words in mental lexicon of children with Learning Disabilty | Dr. Jayashree. C. Shanbal |
|  | Priya Khader | Efferent system functioning in pediatric population using DPOAE input and output function  | Dr. Sreeraj, K. |
|  | Reny Raju | Reading in children with Dyslexia: An exploratory study through Eye-tracking method | Dr. Jayashree C. Shanbal |
|  | Ritu A. Venkatesh | Effect of different artifact rejection levels on ABRs and ALLRs | Dr. Sandeep, M. |
|  | Santosh Kumar Patel | cVEMP & oVEMP tuning curve in individual with diabetes mellitus | Dr. Sujeet Kumar Sinha |
|  | Saranya M. | Evaluation of differential sensitivity for frequency, intensity and duration in individuals with hypertension | Dr. Prasanth Prabhu, P. |
|  | Satish Kumar Patel | Effect of stimulus polarity on context dependent brainstem encoding of speech | Dr. Sandeep, M. |
|  | Sharanya K Kumar | Contralateral Suppression of Transient Evoked Otoacoustic Emissions in School Going Children for Various Noise Types | Dr. Sreeraj, K. |
|  | Sneha Uttakalika | The relationship between some aspects of temporal processing and speech in noise in older adults with normal hearing | Dr. Animesh Barman |
|  | Sonia, C. | Effect of noise induced hearing loss on difference limen for frequency, intensity and duration | Dr. N. Devi |
|  | Sridhar, S. | Comparison on perception of envelope and temporal fine structure cues in unaided and aided conditions using kannada chimeric sentences | Dr. N. Devi |
|  | Vanapalli Yamini | Temporal processing abilities in individuals with blindness  | Dr. Asha Yathiraj |
|  | Vijaya Varsha | Speech and Language Characteristics in kannada speaking Toddlers with Repaired Cleft lip and Palate | Dr. Pushpavathi, M. |
|  | Vishnu Mohan | Effect of ageing on efferent auditory system | Dr. Ganapathy |
|  | Yashwanth Kumar | Listening effort and fatigue in individuals with noise induced hearing loss | Dr. Hemanth, N. |

**SCIENTIFIC PRESENTATION**

1. Abhishek, B. P. & Swaliha Shahmam (2019) Auditory discrimination for meaningful and non meaningful minimal pairs in persons with aphasia and neuro typical population. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
2. Abhishek, B. P. & Swaliha Shahmam (2019). Semantic priming versus association priming: a preliminary investigation. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
3. Abhishek, B. P, Malavi Srikar & Reny Raju (2019). Discourse abilities in persons with psychological disorders. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
4. Abhishek, B. P., Malavi Srikar & Reny Raju (2019). Utility of masked priming paradigm in treatment of anomic aphasia. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
5. Abhishek, B. P. (2019). Lexical access in individuals with TBI. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
6. Abhishek, B. P. & Rajasudhakar, R. (2019) Cognitive flexibility and response inhibition abilities in individuals with MCI and older individuals. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
7. Ajish K Abraham (2018). Typical spectral characteristics of plosives in speech of children with hearing impairment. Paper presented at 13th Western Pacific Acoustics Conference, New Delhi.
8. Ajish K. Abraham (2018). Efficacy of a wiener filter based technique for speech enhancement in hearing aids. Paper presented at 20th International Conference of World Academy of Science Engineering & TechnologyKyoto, Japan
9. Akhilesh Kumar, D., Pushpavathi M., Ajish K. A., Girish K. S., Mahadeva Prasanna S. R. & Dandapat. S. (2018). Sinusoidal model based features for analysis of hypernasality severity. Paper presented at the International Workshop on Speech Processing for Voice, Speech and Hearing Disorders-A Satellite Workshop of Interspeech, Mysuru.
10. Akshatha Yogendra, Prawin Kumar, Swapna, N., Animesh Barman & Arunraj, K. (2019). Effect of occupational noise on audiometric thresholds in industrial workers. Paper presented at 51st Indian Speech & Hearing Association Conference, Bengaluru.
11. Alfiya Khaleel., Ameera Banu., Gopika Vinod., Swapna, N., Navya & Prathima, S. (2019). Effect of thermal tactical gustatory stimulation on feeding, oromotor aspects and drooling in a child with cerebral palsy- a case study. Poster presented at the 51st Indian Speech and Hearing Association Conference, Bengaluru.
12. Alka, C. K., Monam Sinha, Ardra, K. & Prashanth Prabhu, P. (2019). Evaluation of difference limen for frequency, intensity and duration in individuals with visual impairment. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
13. Alok Kumar, U. (2019). Effectiveness of play way technique to teach prepositions to children with hearing impairment at primary school level. Paper presented at the International Conference on Reflecting on Success & Barriers in Implementing Inclusive Education for Children with Special Needs in India, Puducherry.
14. Ameera, Anshidha, Chandana & Abhishek, B. P. (2019). Attentional set shifting abilities in dominant and balanced bilinguals. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
15. Amrutha Varshini, B., Slesha Jain & Asha Yathiraj (2019). SPIN-K in non-native Kannada speakers: comparison of native Hindi and Malayalam speakers who are non-native Kannada speakers. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
16. Anjana, K., Shobha, B. N. & Kadambari, N. (2019). Impact of cross disability approach in enhancing the life skills in children with autism spectrum disorder - a case study. Paper presented at the National Conference on Inclusive Rehabilitation: Converging Mental Health & Special Education Needs, New Delhi.
17. Anju, B. T. & Swapna N. (2018). Insights into the speech intelligibility and naturalness of persons with PD in relation to their speech usage. Paper presented at International Workshop on Speech Processing for Voice, Speech and Hearing Disorders, Mysuru.
18. Anne, M. A. & Swapna, N. (2018). Relationship between motor functioning, eating and drinking ability and communication ability in adolescents with cerebral palsy. Paper presented at XIII National Conference of Indian Academy of Cerebral Palsy, Kolkata.
19. Anu Sara Anish, Devika Vijayan, Annika Shiju, Rama Devi, S., Shanthala, S. P. & Prashanth Prabhu, P. (2019). Audio-vestibular findings in an adult with arnold chiari malformation. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
20. Anup Ghimire, Nirnay Kumar Keshari, Sachidanand Sinha & Vibhuti Birthare (2019). Validation of tinnitus handicap inventory in Hindi language. Poster presented at the Bihar Chapter of Indian Speech & Hearing Association Conference, Bihar.
21. Aparna. A. & Pushpavathi, M. (2019). Language and cognitive linguistic skills in children with repaired cleft lip and palate. Paper presented at the 51st Indian Speech and Hearing Association Conference, Bengaluru.
22. Ardra, K., Monam Sinha, Alka, C. K. & Prashanth Prabhu, P. (2019). Assessment of binaural integration abilities in individuals with visual impairment. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
23. Arunraj, K., Swapna, N., Yashaswini, B. C. & Prawin Kumar (2019). Rehabilitation of individuals with communication disorders in rural India: an outreach based model. Paper presented at the 2nd Sound Hearing 2030 World Congress, Indonesia.
24. Arunraj, K. & Sabarish, A. (2019). Referral rate of infants for identification of hearing loss by the health care medical professionals: current Indian scenario. Paper presented at the 2nd Sound Hearing 2030 World Congress, Indonesia.
25. Arunraj, K., Animesh Barman, Swapna, N. & Pavana Mohan (2019). Age of identification of hearing impairment and associated risk factors: public versus professional approach. Paper presented at the 2nd Sound Hearing 2030 World Congress, Indonesia.
26. Arunraj, K., Swapna, N., Yashaswini, B. C. & Prawin Kumar (2018). Outreach service model to increase access to the person with communication disorders in remote and rural areas of Karnataka. Paper presented at the 4th India International Science Festival, Lucknow.
27. Asha Yathiraj & Vanaja, C. S. (2019). Sensitivity and specificity of temporal ability screening test (TAST) in older adults. Paper presented at 51st the Indian Speech & Hearing Association Conference, Bengaluru.
28. Aswathy, Hibasherin, Haripriya, Gopika & Swapna, N. (2019). Parental experiences and awareness of feeding problems in their infants with intellectual disability. Poster presentation at the 51st Indian Speech and Hearing Association Conference, Bengaluru.
29. Balan, J. R. & Maruthy, S. (2018). Speech perception and cortical potentials in individuals with auditory neuropathy spectrum disorders. Paper presented at Manipal Academy of Higher Education.
30. Banoth Shoban, G. Jeevan, S. P. Pruthvik & Jain Chandni (2018). Validation of smartphone threshold audiometry. Paper presented at the Western Pacific Conference on Acoustics, New Delhi.
31. Bansal, Shalini & Sinha Sujeet Kumar (2019). Complete peripheral vestibular function test in severe to profound hearing loss individual. Paper presented at the Bihar Chapter of Indian Speech & Hearing Association Conference, Bihar.
32. Basavanahalli Jagadeesh, A. & Kumar, A., (2018). Informational masking during working memory task. Paper presented at the Hearing Across the Lifespan Conference, Italy.
33. Biswajit Pradhan, Prawin Kumar, Reesha, O. & Abdul Hussain (2019). Test retest reliability of contralateral suppression of distortion product otoacoustic emission fine structure in individuals with normal hearing. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
34. Brajesh, P. (2018). Lexical fast mapping competency in children with specific language impairment. Paper presented at 40th International Conference of Linguistic Society of India, Mysuru.
35. Chandni Jain & Kirti Joshi (2018). Effect of age on modulation detection threshold. Paper presented at the 11th Indian Speech Language & Hearing Association Conference, Kerala.
36. Chandni Jain, Priya, M. B. & Kirti Joshi (2018). Auditory processing in children with speech sound disorders. Paper presented at the International Workshop on Speech Processing for Voice, Speech and Hearing Disorders-A Satellite Workshop of Interspeech, Mysuru.
37. Chandni Jain., Priya, M. B. & Kirti Joshi (2019). Relationship between temporal processing and phonological awareness in children with speech sound disorders. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
38. Chaya, N. & Hema, N. (2019). Narrative discourse abilities in wernicke’s aphasia. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
39. Deepak, K. P., Goswami, S. P., Darshan, H. S. & Abhishek, B. P. (2019) Knowledge and awareness of dementia in general public: a survey study. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
40. Deepika, Haripriya & Abhishek B. P. (2019). Efficacy of tele rehabilitation in a stroke survivor with aphasia. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
41. Durga S. Kumar, Saranya, M., Devi, N. & Chandni Jain (2019). Medial olivocochlear functioning and speech perception in noise in polycystic ovary syndrome (PCOS). Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
42. Durga S. Kumar, Aparna, U., Reesha, O., Abdul Hussain & Prawin Kumar (2019). Perception of speech in presence of noise on native and non-native listeners. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
43. Ehteshaam Anwar Hussein & Sandeep Maruthy (2019). Effect of varying the interstimulus interval on multi frequency auditory brainstem response. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
44. Gayathri, K. & Goswami, S. P. (2019). Respiratory (de)coupling in healthy swallows: head position effect. Paper presented at the Annual Conference of Dysphagia Research Society, San Diego, USA.
45. Gayathri, K. & Goswami, S. P. (2019). Chin-down position and bolus volume: complimenting or complicating. Paper presented at the 51st Indian Speech and Hearing Association Conference, Bengaluru.
46. Gayathri, K. & Goswami, S. P. (2019). Temporal sequencing of swallowing events in persons with persistent dysphagia post stroke. Paper presented at the 51st Indian Speech and Hearing Association Conference, Bengaluru.
47. Gayathri, K., Manju, M., Goswami, S. P., Radhika S., Sylaja, Muralidharan & Kesavadas, C. (2018). *S*wallowing physiology across bolus consistencies in persistent post stroke dysphagia. Paper presented at International Conference on the Essentials of Stroke Care, Kerala.
48. Geetha Chinnaraj, Chandni Jain & Keerthi Sringari Parmeshwara (2018). Effect of age and hearing loss on auditory processing abilities. Poster presented at the International Workshop on Speech Processing for Voice, Speech and Hearing Disorders-A Satellite Workshop of Interspeech, Mysuru.
49. Geetha Chinnaraj, Chandni Jain & Keerthi Sringari Parameshwara (2018). Effect of age on binaural integration using dichotic digit test. Paper presented at the 11th Indian Speech Language & Hearing Association Conference, Kerala.
50. Girish, K. S., Pushpavathi, M., Ajish K. Abraham & SRM Prasanna (2019). Comparison of nasalance values of nasometer and nasospeech. Paper presented at the Indocleft Conference, Varanasi.
51. Gupta, S. K. (2019). Video-self modelling following cognitive behaviour therapy for stuttering. Paper presentation at the 54th National and 23rd International Conference of Indian Academy of Applied Psychology, Haryana.
52. Haripriya, T., Gopika Vinod, Hiba Sherin, Indira, C. P. & Sandeep Maruthy (2019). The role of MOCB in central auditory processing. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
53. Hemanth, N. (2019). Frequency discrimination task in game format to treat tinnitus. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
54. Hrishitha, V. M., Neha Mansoor Ali, Vibhuti Sharma, Jeslin Jose & Prashanth Prabhu, P. (2019). Does martial art training improve binaural integration? a preliminary study. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
55. Husna Firdose & Niraj Kumar Singh (2019). Age related changes in inter-frequency amplitude ratio of ocular vestibular-evoked myogenic potentials. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
56. Indira, C. P. & Sandeep Maruthy (2019). Performance intensity function of speech perception in noise- the effects of linguistic redundancy and hearing loss. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
57. Jithin Raj Balan & Sandeep Maruthy (2018). The effect of acoustic-enhancement on audio-visual perception in individuals with auditory neuropathy spectrum disorders. Paper presented at Indian Speech Language & Hearing Association Conference, Kerala.
58. Jyothi Shivaswamy, Sreeraj, K., Animesh Barman & Sujeet Kumar Sinha (2019). Prevalence of communication disorders across different parts of India. Paper presented at the Bihar Chapter of Indian Speech & Hearing Association Conference, Bihar.
59. Kavitha, G. S., Madhumanti Chakraborty, Devi, N. & Prashanth Prabhu, P. (2019). Distortion product otoacoustic emissions input output function in individuals with and without musical abilities. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
60. Kirti Joshi & Chandni Jain (2019). Test retest reliability of various psychoacoustic measures using maximum likelihood procedure. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
61. Krishnan, G. & Goswami, S. P. (2019). Temporal coordination of swallowing events in persistent dysphagia in post stroke. Paper presented at 51st Indian Speech & Hearing Association Conference, Bengaluru.
62. Kumari Apeksha & Ajith Kumar, U. (2019). Effect of acoustic features on discrimination ability in individuals with auditory neuropathy spectrum disorder: an electrophysiological and behavioural study. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
63. Lakshmi Prabha, J. K & Palnaty Vijetha (2019). Teachers knowledge about hearing impairment & referral services in Mysore. Paper presented at 84th NCED- India Annual National Conference on Enhancing Quality of Education of Students with Hearing Impairment – Needs & Practices, Chennai.
64. Lekshmi, J. L., Abnamole, S. &  Prabhu, P. (2018).  Evaluation of frequency following response using speech stimulus in bharatanatyam dancers and non-dancers. Paper presented at the Western Pacific Conference on Acoustics, New Delhi.
65. Lokheshwar, S. & Rajasudhakar, R. (2018). Adaptation and validation of vocal fatigue index (VFI) in Kannada. Paper presented at the Hong Kong Speech & Hearing Symposium, Hong Kong.
66. Madhurya, Lesin Hanan, Thanushri, Deepika & Abhishek, B. P. (2019). Word association abilities in typically developing children, Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
67. Mahesh, B. V. M., Jayashree, K. & Joel, J. (2018). Articulatory stability for voiced and unvoiced labiodental sequences: a revisit to the discoordination hypothesis in persons with stuttering. Paper presented at the 13th Western Pacific Conference, New Delhi.
68. Malavi Srikar, Reny Raju & Abhishek, B. P. (2019). Investigating the effect of stimulus variables on naming performance in younger and older adults. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
69. Malavi Srikar, Reny Raju & Abhishek, B. P. (2019). Retrieval of nouns and verbs in persons with aphasia. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
70. Manju, M. P & Goswami, S. P. (2019). Acquisition of novel words via fast mapping and explicit encoding in persons with epilepsy. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
71. Manjula, P. V. & Ramanakumari, P. V. (2019). Yoga augments holistic development of preschool children with hearing impairment. Paper presented at the 84th NCED- India Annual National Conference on Enhancing Quality of Education of Students with Hearing Impairment – Needs & Practices, Chennai.

1. Manohar, N. (2018). A digital communicator for people with visual and speech impairments. Paper presented at 3rd National Conference on Electronics, Signals and Communication, Mysuru.
2. Manohar, N. (2018). Smart assistive device for physically challenged people. Paper presented at 3rd National Conference on Electronics, Signals and Communication, Mysuru.
3. Monika Tetwal, Chandni Jain & Devi, N. (2018). Temporal processing and working memory in children and adults with stuttering. Poster presented at International Workshop on Speech Processing for Voice, Speech and Hearing Disorders-A Satellite Workshop of Interspeech, Mysuru.
4. Naina Johnson, Annika Shaiju, Adya Parmar & Abhishek, B. P. (2019). Lexical access in young and older adults. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
5. Navya Belpu, Brunda, Jahnavi & Abhishek, B. P. (2019). Lexical semantic organization in visually challenged and neuro typical children. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
6. Navya Belpu, Brunda, Jahnavi & Abhishek, B. P. (2019). Variables affecting the sensitivity of voice based recognition systems. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
7. Nayana, M., Tejaswini Shambhu, Arunraj, K., Swapna, N. & Prawin Kumar (2019). Prevalence of hearing impairment and risk factors in newborns under neonatal hearing screening program in southern city of Karnataka. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
8. Nidhi Hegde, Rajat Bullakkanavar, Renuka, C., Veena, R. & Ajish K. Abraham (2018). A technical approach to find defects during articulation of phonemes. Paper presented at the 3rd International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques, Mysuru.
9. Nikhilesh, Sanjay & Abhishek, B. P. (2019). Recall abilities in children with learning disability as a function of modality of stimulus presentation. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
10. Niraj Kumar, Nainitha, K. K. & Prawin Kumar (2019). Identifying the safe stimulus intensity for cervical vestibular-evoked myogenic potentials. Paper presented at 51st Indian Speech & Hearing Association Conference, Bengaluru.
11. Nisha, K. V. & Ajith Kumar (2019). Auditory neural correlates of spatial training in listeners with sensorineural hearing impairment: a high density electroencephalography study. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
12. Nisha, K. V. & Ajith Kumar, U. (2019). Application of virtual acoustic technology for auditory spatial training in listeners with sensorineural hearing impairment. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
13. Pallikal Mehurnissa & Hema, N. (2018) Cognitive-linguistic abilities in wernicke’s aphasia. Paper presented at the Hong Kong Speech & Hearing Symposium,Hong Kong.
14. Prashanth Prabhu, P., Banumathi, Deepika, H. S. & Thanushree, K. (2019). Does blood group affect differential sensitivity for frequency, intensity and duration–a preliminary study. Paper presented at the Bihar Chapter of Indian Speech & Hearing Association Conference, Bihar.
15. Prawin Kumar & Mangal Chandra Yadav (2019). Sentence perception abilities in presence of noise among hearing aid users. Paper presented at the Bihar Chapter of Indian Speech & Hearing Association Conference, Bihar.
16. Prawin Kumar, Swapna, N., Subrat Kumar Behara & Saroj Sahoo (2018). Newborn hearing screening and its associated risk factors – a preliminary data from government hospital. Paper presented at Cochlear Implant Group of Indian Conference, Daman.
17. Prawin Kumar, Swapna, N., Kavita Sachdeva & Anup Ghimire (2019). Newborns hearing screening in India: current status in NBS NSCBMC, JABALPUR. Poster presented at the Bihar Chapter of Indian Speech & Hearing Association Conference, Bihar.
18. Prawin Kumar, Swapna, N., Pavana & Ehteshaam Khatri (2019). Comparison between government and private hospitals outcome in connection with newborn hearing screening in Mysore city. Poster presented at the Bihar Chapter of Indian Speech & Hearing Association Conference, Bihar.
19. Prithi, V. & Dhivya, D. (2019). Ensuring quality assurance in vocational and technical education. Paper presented at the 84th NCED- India Annual National Conference on Enhancing Quality of Education of Students with Hearing Impairment – Needs & Practices, Chennai.
20. Prithi, V. & Subramanya, K. R. (2019). Strategies for ensuring quality assurance in vocational and technical education. Poster presented at the 84th NCED- India Annual National Conference on Enhancing Quality of Education of Students with Hearing Impairment – Needs & Practices, Chennai.
21. Priya, M. B., Divya Seth & Sandeep, M. (2019). Exploring the speech rhythm characteristics in individuals with auditory neuropathy spectrum. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
22. Priyanka & Santosh, M. (2019). Generalisation of fluency to untreated language in Kannada-English bilingual adults who stutter. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
23. Priyanka Jaisinghani, Manjula, P. & Ajish K. Abraham (2018). Systematic review on the performance evaluation of speech enhancement strategies in individuals with normal hearing and those with hearing loss. Paper presented at the International Workshop on Speech Processing for Voice, Speech and Hearing Disorders-A Satellite Workshop of Interspeech, Mysuru.
24. Priyanka, K. & Santosh, M. (2018). Comparison of aspects of stuttering in Kannada-English bilingual adults who stutter. Paper presented at the Joint World Congress of the International Fluency Association, Hiroshima, Japan.
25. Pushpavathi, M., Ajish K. A., Girish K. S., Mahadeva Prasanna, S. R. & Dandapat, S. (2018). Relative contribution of hypernasality, consonant production errors, and voice disorders on the intelligibility of cleft lip and palate speech. Paper presented at the International Workshop on Speech Processing for Voice, Speech and Hearing Disorders-A Satellite Workshop of Interspeech, Mysuru.
26. Pushpavathi, M. (2018). An insight into the characteristics of speech of persons with cleft lip and palate. Paper presented at the International Workshop on Speech Processing for Voice, Speech and Hearing Disorders-A Satellite Workshop of Interspeech, Mysuru.
27. Raghav Jha, Prawin Kumar, Aditi Gargeshwari & Niraj Kumar (2019). Otolith and semicircular canal function in individuals with calcium homeostasis dysfunction. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
28. Rajasudhakar, R. (2018). Lexical processing in individuals with diabetes. Paper presented at the Hong Kong Speech & Hearing Symposium, Hong Kong*.*
29. Rakesh, C. V. & Santosh, M. (2019). Adaptation and validation of communication attitude test (CAT) to Kannada speaking school-going children who stutter. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
30. Rakesh, C. V. & Santosh, M. (2019). Adaptation and validation of speech situation checklists (SSC) to Kannada speaking school-going children who stutter. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
31. Raksha Anand, Anjana, K. & Subalakshmi. (2019). Evidence based research in developing social skill in children with down’s syndrome–a case study. Paper presented at the National Conference on Inclusive Rehabilitation: Converging Mental Health & Special Education Needs, New Delhi.
32. Ramanakumari, P. V. & Manjula, P. V. (2019). Effectiveness of developed computer based tutor for concept learning in preschool children with hearing impairment. Paper presented at the 84th NCED- India Annual National Conference on Enhancing Quality of Education of Students with Hearing Impairment – Needs & Practices, Chennai.
33. Renuka, C. (2018). Adaptive machine learning –An Innovative hearing aid technology. Paper presented at 3rd IEEE International Conference, Mysuru.
34. Renuka, C. (2018). Can we accelerate autism discover is through eye tracking and machine learning technology? Paper presented at 3rd IEEE International Conference, Mysuru.
35. Reuben, T. V. & Goswami, S. P. (2018). Exploring speech motor control using temporal analysis in persons with dementia of alzheimer’s type. Poster presented at the Alzheimer’s Association AAIC Satellite Symposium, Bengaluru.
36. Reuben, T. V. & Goswami, S. P. (2018). Semantic fluency: a speech marker for persons with dementia of alzheimer’s type. Poster presented at the India International Science Festival, Lucknow.
37. Reuben, T. V., Agnes, C. S. & Anu, A. (2019). Exploring visuo-spatial memory skills in mental abacus users. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
38. Reuben, T. V., Aiswarya S., Alfiya, K. & Sruthi, R. (2019). Cognitive flexibility in broken family children. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
39. Reuben, T. V., Devika, V. & Alka, C. K. (2019). Does ayurveda play a role in improving speech, social, sensory and behavioral skills in children with autism spectrum disorders? Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
40. Reuben, T. V., Hitashini, C. N., Gayathri. U. & Amar, K. (2019). Cognitive flexibility in persons with dementia of alzheimer’s type & normal healthy elderly individuals. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
41. Ritwik Jargar, Rohit Bhattacharyya, Nethra, R., Darshita, K., Mesmin Rajkumar & Prashanth Prabhu P. (2019). Test re-test reliability of distortion product input-output function: a preliminary study. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
42. Rohit, B., Ritvik Jargar, Netra, Mesmin Rajkumar & Abhishek, B. P. (2019). Lexical naming for fusion pictures. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
43. Sam Publius & Sandeep Maruthy (2019). Effect of familiarization to odd ball paradigm task on P300. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
44. Sandeep Kumar, Sanjida Hussain & Prawin Kumar (2019). Effect of age on auditory discrimination and temporal resolution abilities in school going children. Poster presented at the Bihar Chapter of Indian Speech & Hearing Association Conference, Bihar.
45. Seth, D. & Santosh M. (2019). Effectiveness of response cost treatment for early stuttering. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
46. Shanbal, J. C. (2018). Auditory sensory issues in children with autism spectrum disorders. Paper presented at the 3rd International Conference on Challenging Exclusion, Chennai.
47. Shanbal, J. C. (2018). Challenging exclusive education: potential pointers for early identification of children with learning disability. Paper presented at 3rd International Conference on Challenging Exclusion, Chennai.
48. Sharon, J. & Goswami, S. P. (2019). Art of communication in aphasia. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
49. Shobhan, B., Madhu, S. B. & Prabhu, P. (2018).  Effect of filtered speech on speech identification scores of Telugu speaking young adults with normal hearing. Paper presented at the Western Pacific Conference on Acoustics, New Delhi.

1. Shreya Sivaramakrishnan, Malavika Puthiyadam, Indira, V., Pooja, S. V. & Prashanth Prabhu, P. (2019). Evaluation of auditory stream segrgation through profile analysis in children with abacus training. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
2. Shreyank P. Swamy & Asha Yathiraj (2019). Contralateral suppression of TEOAEs using global and half-octave bands: comparison of reliability in children and adults. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
3. Sneha, P. & Devi, N. (2018). Frequency following response for music with and without hearing aids. Paper presented at the 11th Indian Speech Language & Hearing Association Conference, Kerala.
4. Sneha, P. & Devi, N. (2018). Neural processing of speech and music with and without hearing aids. Poster presented at the International Workshop on Speech Processing for Voice, Speech and Hearing Disorders-A Satellite Workshop of Interspeech, Mysuru.
5. Sreeraj Konadath, Suma Chatni & Akshay Mahadeva (2019). Noise levels across different land use patterns in the city of Mysuru. Paper presented at the Bihar Chapter of Indian Speech & Hearing Association Conference, Bihar.
6. Srikanth Nayak (2019). Estimation of gap detection thresholds in adults using cortical auditory evoked potentials. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
7. Srikar Vijayasarathy & Animesh Barman (2019). Individual variability of phonemic restoration of speech in noise and its correlation with speech in noise performance in individual with normal hearing. Paper presented at the Bihar Chapter of Indian Speech & Hearing Association Conference, Bihar.
8. Srikar Vijayasarathy, Meghana Mohan, Pratibha Nagalakshmi, N. G. & Animesh Barman (2019). Indications of hidden hearing loss in subjects with normal hearing exposed to occupational noise. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
9. Sugathan, N. & Santosh, M. (2019). Phonological encoding and working memory in Kannada speaking adults who stutter. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
10. Sujeet Kumar Sinha & Anuj Kumar Neupane (2019). Effect of aging on tympanometric findings in Indian population. Paper presented at the Bihar Chapter of Indian Speech & Hearing Association Conference, Bihar.
11. Sujeet Kumar Sinha (2019). Cervical and ocular vestibular evoked myogenic potentials together can predict the contralateral ears involvement in individuals with meniere’s disease. Paper presented at the Bihar Chapter of Indian Speech & Hearing Association Conference, Bihar.
12. Swapna, N., Tejaswini, Arun Raj & Prawin Kumar (2018). Effect of inclusion of automated auditory brainstem response in the newborn hearing screening - a preliminary study. Paper presented at XIII National conference of Indian Academy of Cerebral Palsy, Kolkata.
13. Udhayakumar, R. & Devi, N. (2018). Comparison between syllabic compression processed and unprocessed Malayalam chimeric sentences. Paper presented at the International Workshop on Speech Processing for Voice, Speech and Hearing Disorders-A Satellite Workshop of Interspeech, Mysuru.
14. Udhayakumar, R. & Devi, N. (2019). Comparison of syllabic and dual compression hearing aid processed Malayalam chimeric sentences. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
15. Varsha, M. Athreya & Animesh Barman (2019). Temporal resolution: behavioural measure and its neural correlates in individuals with normal hearing sensitivity. Paper presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
16. Vibuti, Jeslin Jose, Hrishita, Neha & Abhishek, B. P. (2019). Development of subject-verb agreement in typically developing children. Poster presented at the 51st Indian Speech & Hearing Association Conference, Bengaluru.
17. Vikram, C. M., Pushpavathi, M., Ajish, K. A., Girish, K. S. & Mahadeva Prasanna, S. R. (2018). Spectro-temporal analysis of stop consonant production errors in children with cleft lip and palate. Paper presented at the International Workshop on Speech Processing for Voice, Speech and Hearing Disorders-A Satellite Workshop of Interspeech, Mysuru.
18. Yashodharakumar, G. Y. (2019). Anxiety in children with and without learning disability. Paper presented at the National Annual Conference on Psychology for Health, Happiness, and Humanity, Mumbai.
19. Yeshoda, K., Rinsha, R & Annslin, M. L., (2018) Voice characteristics in female individuals with respiratory issues. Paper presented at the Western Pacific Conference on Accousitcs, New Delhi.

**Proceedings**

1. Swapna.N., Shobha, B. N., Freddy, A. & Sameera. (2018) Stress levels and coping strategies in mothers of children with cerebral palsy. Proceedings of the XIII National Conference of the Indian Academy of Cerebral Palsy, Kolkata. (Its Shown Paper presentation in psychology dept.)
2. Vikram, C.M., Mahadeva Prasanna, S. R., Ajish K. Abraham, Pushpavathi, M. & Girish, K.S. (2018) Detection of glottal activity errors in production of stop consonants in children with cleft lip and palate. Proceedings. *Interspeech 2018, 382-38*6, DOI: 10.21437/Interspeech. 2018-1665.

**SCIENTIFIC PUBLICATION**

**(Sir Sl.No.43 – asked, they will inform later)**

1. Abhishek, B. P. (2018). Utility of masked priming paradigm in treatment of anomic aphasia: An exploratory study. *Research and Reviews: Journal of Neuroscience*. 8(3), 1-4.
2. Abhishek, B. P. & Akshay, M. (2018). Utility of mobile apps in speech-language therapy*. International Journal of Bio Medical Engineering*, 4(2), 1-4.
3. Abhishek, B. P. & Jyotsna, K. (2018). Taxonomic and thematic organization of nouns in aphasia. *International Journal of Genetic Engineering and Recombination*, 4(1), 1-4.
4. Abhishek, B. P. & Nadeer, M. (2018). Does sibling stimulation facilitate second language proficiency in bilingual children, *International Journal of Bionics and Biomaterials*, 4(2), 11-15.
5. Abhishek, B. P. & Venkatesh, R. (2018). Syntactic judgement abilities in typically developing children and children diagnosed with learning disability. *International Journal of Bionics and Biomaterials*, 4(1), 1-4.
6. Abhishek, B. P. (2018). Speech and language profile in a client diagnosed with drug-induced parkinsonism. *Research & Reviews: A Journal of Toxicology*, *8*(3), 1-4.
7. Abhishek, B. P. (2018). Speech and language profiling in twins with lowe syndrome. *International Journal of Molecular Bio technology,* 4(1), 1-4.
8. Abhishek, B. P., Akhila, C. & Janani, C. (2018) Selective attention in typically developing children and young adults, *International Journal of Bionics and Biomaterials*, 4(2), 16-21.
9. Abhishek, B. P., Akhilandeshwari, S, & Devika, V. (2018). Contextual cuing for retrieval of nouns and verbs in persons with anomic aphasia. *Research and Reviews: Journal of Medical Science and Technology*, *7*(2) 1-5.
10. Abhishek, B. P., Arpita, V. & Khyathi, J. (2018). Semantic operations in persons with aphasia. *International Journal of Molecular Biotechnology*, *4*(2), 104-108.
11. Abhishek, B. P., Jitendra, K. S. & Pritismitha, K. S. (2018). New word learning ability in adults. *Research and Reviews: A Journal of Health Profession*, *8*(2), 1-5.
12. Abhishek, B. P., Khurana, S., Anand, A. and Archita, R. S. (2018). Effect of processing instructions on discourse abilities. *Research Journal of Language Literature and Humanities*, *3*(1), 12-15.
13. Abhishek, B. P. (2018). Category specific semantic knowledge in neurotypical participants and participants with MCI. *International Journal of Animal Biotechnology and Applications*, 4(1), 17-20.
14. Abhishek, B. P. (2018). Discourse abilities in persons with psychogenic disorders. *Research and Reviews: Journal of Neuroscience.* 8(3), 9–11.
15. Abhishek, B. P., Navya, B. & Brunda, R. (2018). Lexical semantic organization in visually challenged and neurotypical children. *Research & Reviews: A Journal of Bioinformatics*. 5(3), 37–41.
16. Abhishek, B. P., Sanjay, S., Akash, C., Jeslin, J. & Malavi, S. (2018).Primary progressive aphasia: comparing two case studies. *Research & Reviews: Journal of Medical Science and Technology*. *3*(1), 1-4.
17. Abhishek, B. P., Zohra, Namitha, Kavitha & Yaazhini, D. (2018). Phonological short term memory in typically developing children and children with learning disability. *International Journal of Bionics and Biomaterials*, *4*(2), 1-4.
18. Abraham, A. K. (2018). Efficacy of a wiener filter based technique for speech enhancement in hearing aids. World academy of science, engineering and technology, international science index*, Medical and Health Sciences*, 12(11), 3498.
19. Akshay, M. M. & Sangeetha, M. (2018). Automatic annotation of reading using speech recognition: a pilot study. *Research & review: A Journal of Bioinformatics*. 5(2), 25-29.
20. Akshay, M. M., Sreedevi, N., Arunraj, K. & Shanbal, J. (2018). Infant screening system based on cry analysis. *International Annals of Science,* 6(1), 1-7.
21. Akshay, M., Devi, N., Renuka, C. & Ajish K. Abraham (2018). Need for robotic resources in speech and hearing: an Indian study. *International Journal of Advances in Science, Engineering and Technology*, 6(1), 35-38.
22. Alexei, K., Tabain, M., Sreedevi, N. & Beare, R. (2018) Manner and place differences in Kannada coronal consonants: articulatory and acoustic results. *The Journal of the Acoustical Society of America*, 144, 3221; https://doi.org/10.1121/1.5081686.
23. Amoolya, G. & Shanbal, J. C. (2018). Grammaticality in written language of bilingual-biliterate children with learning disability. *Language in India,* 18 (8), 1-14.
24. Amoolya, G. & Shanbal, J. C. (2018). Accuracy and syntactic measures of written language in biliterate children with learning disability. *Journal of Child Language Acquisition and Development.* 6(1), 1-20.
25. Amulya P. Rao & Sreedevi, N. (2018). Contextual effects of vowels on correct production of retroflex in Kannada speaking children with speech sound disorder: a case study. *Research & Reviews: Journal of Computational Biology, 7*(2), 46-66.
26. Amulya P. Rao & Sreedevi, N. (2018). Effects of phoneme-position on correct production of sounds in children with speech sound disorder: a case study. *Journal of Children Language Acquisition and Development, 6(*1), 45-58.
27. Balan, J. & Maruthy, S. (2018). Dynamics of speech perception in the auditory-visual mode: an empirical evidence for the management of ANSD. *Journal of Audiology & Otology,*22(4), 197-203.
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