Projects-Ongoing

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| **No.** | **Title** | **Objectives** | **Investigators** | **Fund in**` |
| 01 | Assessment of different vestibular pathways in individuals with peripheral vestibular disorders | To assess the different vestibular pathways in individuals with different vestibular disorder | PI: Mr. Sujeet Kumar Sinha  CI: Dr. Rajeshwari G | 3,06,000 |
| 02 | Comparison of normal and pathological middle ears using multi-frequency tympanometry | To provide norma tive data, establish sensitivity & specificity of RF, to compare multi-frequency between normal & pathological middle ears. | Dr. Sandeep M, Mr. Sharath K.S., Ms Megha, Dr.Sundara Raju | 3,16,000 |
| 03 | Development and piloting of computer based auditory – cognitive training module for individuals with cochlear hearing loss | To develop a auditory-cognitive training module for adults with cochlear hearing loss to improve  speech perception, To assess the influence of auditory-cognitive  training material on auditory skills | PI: Dr. Ajith Kumar U  CI: Sandeep M | 5,00,000 |
| 04 | Development of hearing aid simulator | To develop a hearing aid simulator | PI: Mr. Sujeet Kumar Singh  CI: Dr. Animesh Barman  Dr. D.S. Guru  Dr. Vijayakumar Narne | 2,15,000 |
| 05 | Development of low frequency word lists in Hindi and in Kannada | To develop and standardize low frequency word list and to investigate the applications across clinical population. | PI: Dr. Animesh Barman  CI: Mr. Prashanth Prabhu  Dr. Vijayakumar Narne  Mr. Niraj Kumar Singh | 5,92,000 |
| 06 | Development of phonemically balanced word lists in Kannada for adults | To develop and standardize phonetically balanced word list in Kannada | Dr. Manjula P, Ms. Geetha C, Sharath K, Jawahar, A.P. | 3,16,000 |
| 07 | Development of sentence test for speech recognition threshold in Hindi | To develop and standardize sentence test for speech recognition threshold in Hindi | Ms. Chandni J, Dr.Vijayakumar N, Mr. Niraj K.S, Mr. Prawin K | 3,06,000 |
| 08 | Dizziness index of impairment in activities of daily living scale for Indian population | To develop the questionnaire for person | PI: Mr.Niraj Kumar Singh  CI: Mr. Prawin Kumar  Dr. Animesh Barman | 3,11,000 |
| 09 | Effect of frequency specific amplification on speech perception in individual with ANSD | Effect of amplification strategies for speech perception in individuals with ANSD | PI: Dr. Animesh Barman  CI: Mr. Prashanth Prabhu P  Mr. Sujeet Kumar Sinha | 3,31,000 |
| 10 | Hearing in musicians | To prepare audio- logical profile for vocal & instrumental musicians | Dr. Rajalakshmi K | 3,31,000 |
| 11 | Neuro-physiological mechanisms of speech perception in noise | To find out the neuro-physiological basis for speech perception in noise | Dr. Sandeep M, Dr. Ajith Kumar U | 3,26,000 |
| 12 | Noise reduction algorithms and speech perception in cochlear implant user | To find out whether noise reduction algorithms affects speech perception in cochlear implant user | Dr.Asha Yathiraj | 3,21,000 |
| 13 | Periodicity coding and perception of speech in noise in individuals with symmetrical and asymmetrical cochlear hearing loss | To find how Periodicity is coded and how it affects the perception of speech in noise in individuals with symmetrical and asymmetrical cochlear hearing loss | Dr. Rajalakshmi K | 3,26,000 |
| 14 | Profiling anxiety-depressive and personality correlates of individuals with tinnitus | Psychological profile of tinnitus individuals, co-relating psychological profile with audiological profile. | CI: Dr. Ajith Kumar U | 3,71,000 |
| 15 | Relationship between electrophysiological sub-cortical processing of speech and behavioral tests of central auditory function in children with (central) auditory processing disorders | The objective of the study is to check the relationship between speech-evoked ABR responses and various behavioral tests of (C)APD in children with (C) APD | PI: Prawin Kumar  CI: Niraj Kumar Singh  Ms. Priyanjali Harit | 3,36,000 |
| 16 | Sentence lists in Malayalam and in Telugu | To develop sentences in Malayalam and in Telugu, to standardize the developed sentences, to investigate across clinical population | PI: Mr. Sreeraj K  Mr. Kishore Tanniru  CI: Dr. Vijayakumar Narne  Mr. Niraj Kumar Singh  Ms. Chandni Jain  Dr. Ramadevi Sreenivas K.J | 6,02,000 |

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| 1. | Categorical Semantic Mapping: Priming Based Comparison of Semantic and Lexical-Semantic Distance in Major Lexical Categories | Mrs. Priyanka Shailat, Research Assistant, AIISH, Mysore | Mr. Varun Uthappa A. G. Speech –Language Pathologist Grade II, AIISH, Mysore | AIISH Research Fund |

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Design and Development of Prototye for Institute Journal Publications

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* Language Assessment Remediation and Screening Procedure (LARSP): An adaptation and standardization in Hindi
* Standardization of Western Aphasia Battery (WAB) in Telugu Monolinguals and Telugu –English (T-E) Bilinguals.
* Development of assessment batteries for bilingual Kannada-English and Malayalam-English children with Specific language impairment
* Comparison of muscle potentials of synergistic and antagonistic primary masticatory muscles as a function of age and task
* Development and field testing of low cost supportive and mobility aids appliances for persons with physical disability – Phase I
* A study of motor control in persons with mild and severe stuttering under conditions of motor stress
* Effect of Palatal Obturator on Speech
* Audio Visual resource manual on Voice Disorders
* Speech Characteristics in children with oral cleft – Pre and post surgery a Longitudinal study
* Speech Characteristics in children with oral cleft – Pre and post surgery a Longitudinal study in Malayalam
* Speech Characteristics in children with oral cleft – Pre and post surgery a Longitudinal study in Telugu
* Early intervention module for parents of children with cleft lip and palate in Kannada & English (Phase I)
* Digital tutorial for pre-reading skill (A supplement to the intervention module for preschool children with communication disorders)
* Intervention module for the management of speech and language skills for individuals with cerebral palsy
* Laryngeal aerodynamic analysis of vocal hyperfunction.
* Voice characteristics in individuals with velopharyngeal inadequacy with repaired cleft palate characteristics in individuals with velopharyngeal inadequacy with repaired cleft palate
* A Comparison of Cognitive Linguistic Impairments In Bi/Multilingual Persons with Aphasia, Traumatic Brain Injury an Right Hemisphere Damage
* Computerized Analysis of Phonological Processes in Kannada (CAPP-K)
* Prevalence of voice disorders in Teachers: A Survey
* Voice Characteristics in Teachers
* Neuro - physiology correlates of voice onset time in Kannada and Tamil speaking individual using N1 evoked potential
* Investigation of stuttering in bilingual individuals: Understanding its nature, assessment, & treatment efficacy
* Prevalence of voice problems in primary school teachers of one district of Karnataka
* Feedback controls in persons with stuttering
* Attitudes of In-service Educators towards Inclusive Education

Extramural

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| **No.** | **Title** | **Objectives** | **Investigators** | **Fund (in** `) |
| 01 | Cortical auditory evoked potentials as a measure of central auditory development in children with hearing impairment | To know whether the cortical auditory evoked potentials is a tool to measure central auditory development in children with hearing impairment | Vijayakumar Narne & Jayakumar, N. Swapna | 28,37,000 |

* Language and Brain organization in Normative Multilingualism