**ARF Projects (1st April 2020 to 31st March 2021)**

**Ongoing projects: 46**

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| **Speech Language Pathology & Speech Language Sciences** | | | | | | | |
| **Sl.No** | **Investigators** | | **Title** | **Duration of the Project** | **Year of sanction** | **Sanction Num** | **Amount in Rupees** |
| **PI** | **Co-PI** |
|  | Dr. Hema N | Dr. K C Shyamala | Standardization of a Discourse Analysis Scale for Conversation, Narration and Picture Description in Kannada (DAS) | 1 year | 2014 | SH/CDN/ARF-02/2014-15, Dated: 26.08.2014 | 4,03,000 |
|  | Dr. Jayashree C  Shanbal | Mr. s Ramakumar & Mr. Arunraj K | Communication Based Rehabilitation for Persons with Communication Disorders in the Foothill and Rural Areas of Dindigul District, Tamil Nadu | 1 year 6 months | 2014 | SH/CDN/ARF-03/2014-15, Dated:03.09.2014 | 9,25,000 |
|  | Dr. Jayashree C Shanbal | Ms. Mamatha N M & Gopi Shankar R | Morphosyntactic Processing in Dyslexia: Application of an ERP Measure | 1 year | 2014 | SH/CDN/ARF-12/2014-15, Dated: 24.09.2014 | 4,03,000 |
|  | Dr. S P Goswami & Dr. Julie A Hengst | Ms. Sonal V Chitnis, Dr. Brajesh Priyadarshi, Dr. Neeraja Karathi & Ms. Pinky Singh | Stories of Aphasia: Exploring paths to recovery in India | 3 years | 2014 | SH/CDN/ARF-19/2014-15, Dated: 22.10.2014 | 11,99,000 |
|  | Dr. Abhishek B P | Dr. K C Shyamala | Syntactic Judgment Abilities in Persons with Non Fluent Aphasia | 1 year | 2015 | SH/CDN/ARF-33/2015-16, Dated; 02.11.2015 | 4,33,000 |
|  | Dr. R Rajasudhakar | - | Adaptation and Validation of Vocal Fatigue Index (VFI) in Kannada | 1 year | 2015 | SH/CDN/ARF-32/2015-16, Dated; 02.11.2015 | 4,33,000 |
|  | Dr. Santosh M | Dr. Abhishek B P | Behavioural and electrophysiological correlates (N400) of lexical access in bilingual adults with stuttering | 1 year | 2015 | SH/CDN/ARF-24/2015-16, Dated; 05.10.2015 | 4,33,000 |
|  | Dr. N Swapna | - | Effect of combined tactile, thermal and gustatory stimulation on feeding and swallowing in children with cerebral palsy | 1 year | 2017 | SH/CDN/ARF-71/2016-17, Dated: 02.01.2017 | 4,93,000 |
|  | Dr. Usha Devdas | Dr. M Santosh | Prevalence and risk factors of voice problems and knowledge of vocal health in professional Carnatic singers and non-singers | 1 year | 2016 | SH/CDN/ARF-48/2016-17, Dated; 08.09.2016 | 4,93,000 |
|  | Dr. S P Goswami & Dr. Swathi Kiran | - | Field-testing of ‘Constant Therapy’ in Hindi and Kannada | 1 year | 2016 | SH/CDN/ARF-45/2016-17, Dated; 08.09.2016 | 4,93,000 |
|  | Dr. Sunil Kumar Ravi & Dr. Pebbli Gopikishore | Dr. Shyamala K C | Reading impairments in Kannada-English bilinguals individuals with fluent & non-fluent types of aphasia | 1 year | 2017 | SH/CDN/ARF-SP-9/2017-18, dated: 06.09.2017 | 5,08,000 |
|  | Dr. S P Goswami | - | Life satisfaction and quality of life in persons with Aphasia beyond communication | 1 year | 2017 | SH/CDN/ARFSP1/2017-18, dated: 28.07.2017 | 4,96,000 |
|  | Dr. Swapna N | - | Development and Validation of a Mobile Application Tool for Airthmetic Concept Teaching for Preschoolers | 1 year | 2018 | SH/CDN/ARF-Elect-1/2018-19, dated; 09.10.2018 | 7,88,000 |
|  | Dr. Jayakumar T | - | Prevalence and Risk Factors for Voice Problems and Effect of Voice Projection Training in Imans | 1 year | 2018 | SH/CDN/ARF-SLP-15/2018-19, dated; 09.10.2018 | 4,88,000 |
|  | Dr. Hema N | Dr. Devi N | Behavioural and Electrophysiological (P300) Correlates for Visual and Auditory Process in Alzheimer’s Diseases | 1 year | 2018 | SH/CDN/ARF-SLP-14/2018-19, dated; 09.10.2018 | 4,88,000 |
|  | Dr. Anjana B Ram | Mr. Mahesh BVM | Short Term Correlations between Speech Motor Variability and Behavioural Dysfluencies in Persons with Stuttering following Fluency Shaping Therapy | 1 year | 2018 | SH/CDN/ARF-SLS-11/2018-19, dated; 09.10.2018 | 4,85,000 |
|  | Dr. Hema N | - | Development and Standardization of Western Aphasia Battery in Tamil | 1 year | 2018 | SH/CDN/ARF-SLP-6/2018-19, dated; 09.10.2018 | 4,88,000 |
|  | Dr. Jayashree C Shanbal | Mr. Hariharan V | Cognitive Linguistic Intervention Program for Children at Risk for Learning Disability | 1 year | 2018 | SH/CDN/ARF-SLP-1/2018-19, dated; 09.10.2018 | 4,93,000 |
|  | Mr. Rahul Krishnamurthy | Dr. Prasanta Kumar Ghosh, Dr. Suja S & Dr. T K Prakash | Automatic quantification of the glottal area in the stroboscopic videos using deep neural network | 1 year | 2018 | SH/CDN/ARF-SLP-GK/2018-19, dated; 30.10.2018 | 9,86,000 |
|  | Dr. Yeshoda K & Dr. Sreeraj K | - | Perception and Production of Prosody in Children with Hearing Impairment | 1 year | 2018 | SH/CDN/ARF-SLP-KY/2018-18, dated; 01.11.2018 | 4,93,000 |

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| **Audiology** | | | | | | | |
| **Sl.No** | **Investigators** | | **Title** | **Duration of the Project** | **Year of sanction** | **Sanction Num** | **Amount in Rupees** |
| **PI** | **Co-PI** |
|  | Dr. K Rajalakshmi | - | Auditory Brain Plasticity: in Carnatic Vocalists, Instrumental Musicians and Non-Musicians | 1 year | 2014 | SH/CDN/ARF-04/2014-15, Dated: 03.09.2014 | 4,03,000 |
|  | Dr. K Rajalakshmi | Mr. Vinaya K C, Prof. David Baguly & Prof. Gerhard Andersson | An exploratory study of tinnitus in Indian context | 1 year | 2014 | SH/CDN/ARF-20/2014-15, Dated: 03.11.2014 | 4,03,000 |
|  | Dr. K. Rajalakshmi | Ms. Mamatha N M & Dr. Ramadevi Sreenivas K J | Development and Standardization of Questionnaire to Assess the Outcome in Adult Hearing Aid Users | 1 year | 2015 | SH/CDN/ARF-38/2015-16, Dated; 03.11.2015 | 4,33,000 |
|  | Dr. Niraj Kumar Singh | Dr. Prawin Kumar | Impact of Acoustic Stimuli Used for Various Measures of VEMP on the Auditory System | 3 years + 1 year | 2016 | SH/CDN/ARF-61/2016-17, Dated: 14.09.2016 | 4,93,000 |
|  | Dr. K Rajalakshmi | Mr. Prashasti P Poovaiah | Normative data for click rate induced facilitation for assessing temporal integration | 1 year | 2016 | SH/CDN/ARF-56/2016-17, Dated; 08.09.2016 | 4,93,000 |
|  | Dr. Prashanth Prabhu & Dr. Priya M B | Dr. Shijith Kumar C | Product Development of Useful Products of Research carried out at AIISH | 1 year | 2017 | SH/CDN/ARF-AUD-8/2017-18, dated; 27.07.2017 | 5,03,000 |
|  | Dr. Devi N | - | Encoding of speech and music at auditory brainstem (frequency following response) with and without hearing aid | 1 year | 2017 | SH/CDN/ARF-AUD-6/2017-18, dated; 27.07.2017 | 4,98,000 |
|  | Mr. Prashanth Prabhu | - | Auditory Temporal Processing in Older Adults: A Behavioural and Electrophysiological Measures | 1 year | 2017 | SH/CDN/ARF-AUD-3/2017-18, dated; 27.07.2017 | 5,18,000 |
|  | Dr. K. Rajalakshmi | Dr. Srinivas K  Dr. Sreedevi N  Dr. Jay Kumar | The genetics of sensorineural hearing loss | 1 year +  1 year | 2017 | SH/CDN/ARF-AUD-2/2017-18, dated; 27.07.2017 | 9,68,000 |
|  | Dr. Ajith Kumar U | Dr. Hemanth N | Development of some Auditory related Cognitive Tests: Assessment of Cognitive reserve in individuals with Older Adults | 1 year | 2018 | SH/CDN/ARF-AUD-9/2018-19, dated; 09.10.2018 | 9,51,000 |
|  | Dr. Prawin Kumar | Dr. M Bhanukumar,  Dr. Niraj Kumar Singh, Mr. Vipin Ghosh &  Dr. Kumari Apeksha | Electrophysiological Assessment of Auditory and Vestibular Neural Functioning in Individuals with Diabetes Mellitus | 3 years | 2018 | SH/CDN/ARF-AUD-8/2018-19, dated; 09.10.2018 | 4,88,000 |
|  | Dr. Geetha C | Dr. Devi N | Development of Phonemically balanced word lists in Tamil Language for adults | 1 year | 2018 | SH/CDN/ARF-AUD-6/2018-19, dated; 09.10.2018 | 4,88,000 |
|  | Dr. Chandni Jain | Dr. Chetak K B & Mr. Vipin Ghosh | Relationship between Auditory Abilities and Iron Deficiency Anemia in Adolescent Girls | 1 year | 2018 | SH/CDN/ARF-AUD-5/2018-19, dated; 09.10.2018 | 5,33,000 |
|  | Dr. Ajith Kumar U | Dr. Nisha K V | 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 | 1 year | 2018 | SH/CDN/ARF-AUD-4/2018-19, dated; 09.10.2018 | 4,85,000 |
|  | Dr. Sandeep M & Dr. Abhishek B P | Dr. Chandni Jain | Behavioral and Electro Physiological Correlates of Lexical Semantic Activation in High and Low Proficient Bilinguals | 1 year | 2018 | SH/CDN/ARF-AUD-3/2018-19, dated; 06.11.2018 | 4,88,000 |
|  | Ms. Megha | - | Cochlear implant outcome measures: Comparison of rating scales and speech perception | 1 year | 2019 | SH/CDN/ARF-AUD-GB1/2019-20, dated; 15.07.2019 | 5,05,000 |

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| **Sl.No** | **Investigators** | | **Title** | **Duration of the Project** | **Year of sanction** | **Sanction Num** | **Amount in Rupees** |
| **PI** | **Co-PI** |
|  | Mr. Freddy Antony | Mr. Sanjeev Kumar Gupta | Disability Evaluation in Mental Retardation using WHODAS 2.0 in a Clinical Setting | 1 year | 2015 | SH/CDN/ARF-43/2015-16, Dated; 09.12.2015 | 3,25,000 |

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| **Sl.No** | **Investigators** | | **Title** | **Duration of the Project** | **Year of sanction** | **Sanction Num** | **Amount in Rupees** |
| **PI** | **Co-PI** |
|  | Mr. Manohar N | Mrs. Revathi K R, Mr. Prashanth Prabhu P & Mr. Raghavendra G N | Computerized Auditory Training for Kannada Speaking Children with Hearing Impairment | 1 year | 2015 | SH/CDN/ARF-42/2015-16, Dated; 09.12.2015 | 3,31,000 |

**Electronics**

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| **Sl.No** | **Investigators** | | **Title** | **Duration of the Project** | **Year of sanction** | **Sanction Num** | **Amount in Rupees** |
| **PI** | **Co-PI** |
|  | Dr. Shijith Kumar C | Dr. Manohar N & Dr. Malar G | Design and Development of E-Learning Platform and Faculty Profile System | 1 year | 2018 | SH/CDN/ARF-Elect-3/2018-19, dated; 09.10.2018 | 4,68,000 |
|  | Mr. Manohar N | - | Development of Speech Enabled Communication Tool for Clients with Speech Impairment in Kannada | 1 year | 2018 | SH/CDN/ARF-Elect-2/2018-19, dated; 09.10.2018 | 4,95,000 |
|  | Dr. Ajish K Abraham & Dr. Leena Mary | Dr. N Sreedevi | Automation of Malayalam Articulation test using automatic speech recognition techniques | 1 year | 2017 | SH/CDN/ARFELECT1/2017-18, dated: 28.07.2017 | 5,00,000 |

**Clinical Psychology**

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| **Sl.No** | **Investigators** | | **Title** | **Duration of the Project** | **Year of sanction** | **Sanction Num** | **Amount in Rupees** |
| **PI** | **Co-PI** |
|  | Dr. Amrita Kanchan | Dr. Nawab A Khan | Feasibility of Standardized Neuropsychological tests in assessment of patients with Aphasia | 1 year | 2017 | SH/CDN/ARFPSYCH2/2017-18, dated: 28.07.2017 | 3,30,000 |

**Special Education**

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| **Sl.No** | **Investigators** | | **Title** | **Duration of the Project** | **Year of sanction** | **Sanction Num** | **Amount in Rupees** |
| **PI** | **Co-PI** |
|  | Ms. P V Ramanakumari | Dr. Ajish K Abraham & Ms. P V Manjula | Development and evaluation of indigenous curriculum oriented computer based tutor for concept learning in preschool children with special needs | 1 year | 2016 | SH/CDN/ARF-66/2016-17, Dated: 27.09.2016 | 3,85,000 |
|  | Dr. G Malar | Ms. P Prathima | Effect of Resource Material on Impact of Inclusive Education in Children with Intellectual Disabilities (ID) and Learning Disabilities (LD) | 1 year | 2016 | SH/CDN/ARF-65/2016-17, Dated: 27.09.2016 | 3,85,000 |
|  | Dr. Prithi Venkatesh | - | Development of Grade Level Assessment Test in Science for Upper Primary School Children (VI-VIII) | 1 year | 2018 | SH/CDN/ARF-Spl.Ed-3/2018-19, dated; 09.10.2018 | 4,00,000 |

**Library**

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| **Sl.No** | **Investigators** | | **Title** | **Duration of the Project** | **Year of sanction** | **Sanction Num** | **Amount in Rupees** |
| **PI** | **Co-PI** |
|  | Dr. Shijith Kumar C  (Lib) | Mr. Nanjunda Swamy M, Mr. Nidheesh David Kuruvilla, Mr. Lokesh P & Mr. Raghavendra G N | Design, development and validation of open source platform for AIISH digital repository and online public access catalogue | 1 year | 2016 | SH/CDN/ARF-68/2016-17, Dated: 05.10.2016 | 3,00,000 |