**DEPARTMENT OF AUDIOLOGY/ AÉäÌQûrÉÉåsÉeÉÏ ÌuÉpÉÉaÉ**

**MONTHLY REPORT FOR THE MONTH OFOCTOBER/ मंत्ली रिपोर्ट फॉर थे मंत ऑफ अक्टूबर**

1. **Monthly Statistics (From 1st to 31st October 2016)**

**ACADEMIC ACTIVITIES/ शैक्षणिक गतिविधियों**

1. **Short-term Training / Orientation Programs organized-**

**Orientation-1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Theme / Topic** | **Target audience** | **Coordinators** | **No. of partic..** | **Date** |
|  | Sound & Hearing | 88 students & 3 teachers of 8th standard from Excel public school | Dr. Devi N., Mr. Srikar V. & Mr. Anoop | 91 | 25.10.16 |

1. **In-house Training / Staff enrichment program – 2**

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| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Topic** | **Coordinator** | **Lecture delivered** | **Objectives** | **No. of partic..** | **Date** |
|  | Salivary Cortisol profile of children with hearing loss | Dr. Sandeep M. | Ms. Vinodhini P. | To update with the recent developments in the field of Audiology | 33 | 05.10.16 |
|  | Theme of the month-Vestibular Rehabilitation | Dr. Sandeep M. | Dr. Niraj Kumar Singh | To update with the recent developments in the field of Audiology | 28 | 27.10.16  28.10.16 |

1. **Journal conference/Clinical Conference-3**

**Journal conference**

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| --- | --- | --- | --- |
| **No.** | **Theme / Topic** | **Guide** | **Date** |
|  | Does clinician continuity influence hearing aid outcomes? | Dr. Ajith Kumar U. | 06.10.16 |

**Clinical Conference**

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| --- | --- | --- | --- |
| **No.** | **Theme / Topic** | **Guide** | **Date** |
|  | Communication handicap and hearing disability in individuals with hearing impairment | Dr. Hemanth N. | 14.10.16 |
|  | Usefulness of FM device in individuals with ANSD, especially in the presence of noisy background | Dr. Jijo P.M. | 28.10.16 |

1. **Clinical Observation postings of students from other Institutes: 1**

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| --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Theme / Topic** | **Objectives** | **Target audience** | **Coordinators** | **No. of partic..** | **Date** |
|  | HE, HAT–An overview & observation | Observation of hearing tests, procedures involved in hearing aid fitting | Dr. D.R. Sripad, J.N. Medical College, Belgaum | Dr. Rajalakshmi K & Mr. Darga Baba | 1 | 13.10.16 |

1. **Seminars / Conferences / Workshops**
2. **Organized: 1**

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| --- | --- | --- | --- | --- | --- | --- |
| **No** | **Theme / Topic & Resource persons** | **Coordinator** | **Objectives** | **Target audience** | **No. of participants** | **Date** |
|  | NPPCD | Dr.Manjula P.  Mr. Prashanth P. | To train and sensitize ENT doctors, pediatricians, obstetricians, district surgeons, Family welfare officer on their roles &responsblities of NPPCD | Audiologists, ENT doctors,pediatricians, obstetricians, district surgeons, Family welfare officer | 180 | 18.10.16-24.10.16 |
| **Resource persons:** Dr. G. Rajeshwari, Dr. Sundarraju, Dr. Manjula P., Dr. Animesh Barman, Dr. Ajith Kumar U., Dr. Niraj Kumar Singh, Ms. Geetha C., Mr. Arunraj, Mr. Jawahar Antony, Mr. Sharath Kumar, Ms. Megha | | | | | | |

1. **Attended: 1**

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| --- | --- | --- | --- | --- | --- |
| **No.** | **Name** | **Title of the program** | **Venue** | **Date** | |
|  | Ms. Jyothi S. | National conference on Aphasiology held on 1st& 2nd October 2016 organized by the department of Speech Language Pathology | Seminar hall | | 1-2 October 2016 |

1. **Guest lectures/Invited talks**
2. **Attended-1**

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| --- | --- | --- | --- | --- |
| **No.** | **Name, designation and institutional affiliation of Lecturer** | **Title of the program** | **Topic of lecture** | **Date** |
|  | Mr. PrashanthPrabhu, Mr. Arunraj K. | Webinar organized by ISHA | ‘Management of chronic tinnitus’ | 22.10.16 |

1. **Organised- 1**

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| --- | --- | --- | --- | --- |
| **No.** | **Name, designation and institutional affiliation of Lecturer** | **Title of the program** | **Topic of lecture** | **Date** |
|  | Dr. Manjula P., IHDU-Coordinator | Orientation by a product specialist from Cochlear medical devices | Products of Cochlear Medical Devices, India | 13.10.16 |

1. **Invited talks delivered by the Staff**
2. **Within AIISH: 9**

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| --- | --- | --- | --- | --- |
| **No.** | **Name, designation and institutional affiliation of Lecturer** | **Title of the program** | **Topic of lecture** | **Date** |
|  | Dr. Manjula P., Professor of Audiology | NPPCD | Audiological management | 21.10.16 |
|  | Dr. Animesh Barman, Professor of Audiology | NPPCD | Hearing loss | 18.10.16, 20.10.16, 24.10.16 |
|  | Dr. Ajith Kumar, Reader in Audiology | NPPCD | Hearing evaluation | 18.10.16, 20.10.16, 24.10.16 |
|  | Dr. Niraj Kumar Singh, Lecturer in Audiology | NPPCD | Early identification of HL | 20.10.16, 24.10.16 |
|  | Ms. Geetha C., Lecturer in Audiology | NPPCD | Audiological management & listening and speech-language training | 18.10.16 21.10.16  24.10.16 |
|  | Mr. Arunraj, Clinical Assistant | NPPCD | Video screening/Demonstration on hearing screening | 20.10.16 |
|  | Mr. Jawahar Antony, Audiologist Gr-II | NPPCD | Video screening/Demonstration on hearing evaluation | 20.10.16 |
|  | Mr. Sharath Kumar, Research Assistant | NPPCD | Video screening/Demonstration on hearing aids & cochlear implant | 21.10.16 |
|  | Ms. Megha, Clinical Assistant | NPPCD | Demonstaration of hearing aids and ALDs | 24.10.16 |

1. **Outside AIISH: 1**

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| --- | --- | --- | --- | --- |
| **No.** | **Topic of lecture** | **Name of the staff** | **Venue** | **Date** |
| 1. | Balance function & Dysfunction and Central Auditory processing disorder | Dr. Niraj Kumar Singh | PrasarBharati, All India Radio | Recording on 05.10.16  (Tele-cast on 25.10.16 & 25.11.16, 9.16 p.m.) |

1. **Service in Academic bodies of other organization**(Name of the organization, role, tenure)
2. **Participation in Committees/Taskforces & Panels set-up by other organizations/agencies**(Name of the committee, organization, purpose, role, tenure)

|  |  |
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| Dr. Manjula P. | * Attended meeting for empanelment of hospitals for cochlear implant scheme under suvarnaarogyasuraksha trust on 27.10.16 |

**RESEARCH ACTIVITIES/** अनुसंधान गतिविधियाँ

1. **Funded Research Projects:**
2. **Completed Projects: Intra-mural- NIL**
3. **Completed Projects: Extramural Projects -NIL**
4. **New research project initiated: Intra-mural- 10**

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| --- | --- | --- | --- |
| **No** | **Title** | **Investigators** | **Funding source** |
|  | Relation between Dementia and Auditory Processing | Dr. AshaYathiraj  Dr. V. Ramya  Dr. R.Sathianathen | ARF  (To be initiated) |
|  | Effect of Spatial Noise on Speech Identification | Dr. AshaYathiraj | ARF |
|  | Exploring Real World Aid Usage and Outcome: Current Indian Scenario | Dr. Manjula P. | ARF |
|  | Normative Data for click rate induced facilitation for assessing temporal intergration | Dr. K.Rajalakshmi | ARF |
|  | Audiological and vestibular assessment in persons with osteoporosis and osteopenia | Dr. Prawin Kumar | ARF |
|  | Effect of Cochlear implantation and surgery technique on cervical vestibular evoked myogenic potential | Mr. SachchidanandSinha  Dr. Niraj Kumar Singh | ARF |
|  | Impact of acoustic stimuli used for various measures of VEMP on the auditory system | Dr. Niraj Kumar Singh | ARF |
|  | Contributory Factors of Hearing Handicap in individuals with Sensorineural hearing loss and auditory neuropathy spectrum Disorder (ANSD) | Dr. Jjio P.M.,  Dr. Hemanth N.,  Dr. Ajith Kumar U. | ARF |
|  | Development of Auditory based Application software for Tinnitus treatement | Sr. Hemanth N. | ARF |
|  | Development of low frequency range word lists in Malayalam | Mr. PrashanthPrabhu | ARF |

1. **New research project initiated: Extramural-NIL**
2. **Ongoing research project: Intra-mural - 15**

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| --- | --- | --- | --- | --- | --- |
| **No** | **Title** | **Objectives** | **Investigators** | **Funding source** | **Grant amount** `  (In lakhs) |
| 01 | Neural Correlates of Perceptual Learning of Non-Native Speech Sound Contrast Learning | To investigate the neural correlates of perceptual learning of non-native speech sound contrast learning | Dr. Ajith Kumar U  Dr. Santosh M. | ARF | 4.33 |
| 02 | Effect of Auditory Deprivation on Some Aspects of Temporal Processing and Speech Perception Abilities | To document the effect of duration of hearing loss on word identification scores, monosyllable identification, sentence identification, temporal processing and ANL | Dr. Sandeep M.  Ms. Chandni Jain | ARF | 4.82 |
| 03 | Within and Across Temporal Resolution Abilities in Individuals with Normal Hearing, Sensorineural Hearing Loss and Auditory Neuropathy Spectrum Disorders | To assess and compare the temporal resolution skills using within channel and across channel GDT in individuals with normal SNHL and ANSD | Mr. Kishore Tanniru  Dr.AnimeshBarman | ARF | 4.33 |
| 04 | Factors Affecting Cocktail-Party Listening in Normal Hearing Listeners | To investigate effect of age on spra-threshold processing and cognition ; relation to problems with supra-threshold processing and working memory | Ms. Chandni Jain  Mr. Vikas M.D. | ARF | 4.38 |
| 05 | Bithermal Caloric Test and Video Impulse Test for the Assessment of Unilateral Vestibular Pathologies | To identify association between pithermal and video | Mr. Niraj Kumar Singh  Dr. Rajashwari G. | ARF | 4.33 |
| 06 | Noise Mapping of Mysuru City | Measurement and comparision of noise levels of identified areas (under 4 categories) at four different time frames spaning day and night | Mr. Sreeraj K.  Ms. Suma Chatni | ARF | 6.70 |
| 07 | Development of standardization of questionnaire to assess the outcome in adult hearing aid users | To develop questionnaire inorder to assess the outcome in adult hearing aid users | Dr.Rajalakshmi K.  Dr. RamadeviSreenivas  Ms. Mamatha N.M., | ARF | 4.33 |
| 08 | Relationship between envelop difference index (EDI) and speech perception with noise reduction strategies in hearing aids | To correlate the objective and subjective measurements across different experimental conditions. | Ms. Geetha C.  Dr. Hemanth N. | ARF | 4.33 |
| 09 | Effectiveness of SNR-50 and SNR loss in hearing aid evaluation | To evaluate the utility of SNR-50 and SNR loss in hearing aid evaluation | Dr. Manjula P.  Ms. Megha | ARF | 4.33 |
| 10 | Utility of acoustic change complex as an objective tool to examine DLI in healthy individuals and individuals with Auditory processing disorders | To investigate the utility of ACC as an objective measure of DLI in normal hearing individuals and individual with APD | Dr. Prawin Kumar  Mr. Niraj Kumar & Mr. Ganapathy M. K. | ARF | 4.33 |
| 11 | Development of hearing aid simulator | To develop a hearing aid simulator | Sujeet Kumar Sinha  Dr.Animesh Barman  Dr. D.S. Guru,  Dr. VijayakumarNarne | ARF | 2.15 |
| 12 | Development of low frequency word lists in Hindi and in Kannada | To develop & standardize low frequency word list and to investigate the applications across clinical population. | Dr.Animesh Barman  PrashanthPrabhu,  Dr. VijayakumarNarne  Dr. Niraj Kumar Singh | ARF | 5.92 |
| 13 | 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.,  Mr. Sharath K.,  Mr. JawaharA.P. | ARF | 3.16 |
| 14 | Effectiveness of computer based auditory training in children with central auditory processing disorders | To evaluate the effective ness of computer based auditory training in children with central auditory processing disorders | Dr. Prawin Kumar  Dr. Niraj Kumar Singh | ARF | 8.10 |
| 15 | Newborn communication screening: Through an innovative mobile (Android based) technology | To develop android based application tool for self (parents) newborn communication screening | Mr. Arunraj K.,  Dr. JayashreeShanbal  Dr. VijayakumaraNarne | ARF | 8.10 |

1. **Ongoing research project:Extramural-NIL**
2. **Doctoral and Post-Doctoral Programs**
3. **Degree Awarded: NIL**
4. **Open Viva: NIL**
5. **Thesis Submitted: 2**

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| --- | --- | --- | --- | --- |
| **No.** | **Name** | **Topic** | **Guide** | **Thesis submitted** |
|  | Geetha C | Optimization of compression parameters in hearing aids using aided audibility index | Prof. Manjula P | 05.08.16 |
|  | Chandni Jain | Psychophysical abilities and working memory in individuals with normal hearing sensitivity across different age groups | Dr. Ajith Kumar U | 12.08.16 |

1. **Under Progress: 27**

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| --- | --- | --- | --- |
| **No.** | **Name** | **Topic** | **Guide** |
|  | Sharath Kumar K.S. | Effect of noise reduction algorithms (NRA) in hearing aids on acoustic and perceptual measures | Prof. Manjula P |
|  | M.K. Ganapathy | Effect of age and noise on acoustic change complex – An electrophysiological study | Prof. Manjula P |
|  | RoshniPillai | Auditory, visual and auditory-visual processing in children with learning disability | Prof. AshaYathiraj |
|  | M.P. Reuben Jebaraj | Influence of hearing aid fitting strategies on speech recognition in individuals with sloping hearing loss | Prof. Manjula P |
|  | Sreeraj K | Audiological profile and management of tinnitus in individuals with normal hearing | Prof. Manjula P |
|  | Megha | Auditory cognitive and neuro-physio -logical basis of hearing aid acclimatization | Dr. Sandeep M |
|  | Jithin Raj B | Audiovisual perception of acoustically enhanced speech in individuals with auditory neuropathy spectrum disorders | Dr. Sandeep M |
|  | Priyanka V | Temporal processing abilities audi -tory working memory and speech perception in noise in vocal musicians, violinists and non-musicians | Prof. Rajalakshmi K |
|  | Srikar V | Auditory continuity and perceptual restoration of speech in noise-relationship with speech intellibility in individuals with normal hearing and cochlear hearing loss | Dr. Animesh Barman |
|  | G. Nike Gnanateja | Effect of Speech intelligibility on the cortical entrainment to the temporal envelop of speech | Dr. Sandeep M |
|  | KumariApeksha | Effect of noise and amplification on speech perception in individuals with auditory neuropathy spectrum disorder-electrophysiological and behavioural study | Dr. Ajith Kumar U |
|  | PrashanthPrabhu P | Amplification strategies to improve aided speech perception in individuals with auditory neuropathy spectrum disorder | Prof. Animesh Barman |
|  | Arunraj K | Clinical validation of Wide band absorbance Tympanometry in detecting middle ear disorders | Prof. Animesh Barman |
|  | Jawahar Antony 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 | Prof. Animesh Barman |
|  | Nisha K.V | Effect of training regime on behavioural and electrophysiological correlates of auditory spatial processing in individuals with sensorineural hearing loss | Dr. Ajith Kumar U |
|  | Pawan M | Investigation of mechanism 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 segregation | Prof. Rajalakshmi K |
|  | Mamatha N.M | Effect of auditory processing abilities on academic performance in Kannada speaking primary school children | Prof. AshaYathiraj |
|  | Anu Prasad | Auditory processing in children with benign epilepsy with centro temporal spikes/rolandic epilepsy | Prof. Rajalakshmi K |
|  | PrajnaNayak | Fundamental frequency (f0) encoding and speech perception in noise | Prof. Rajalakshmi K |
|  | Vignesh S.S. | Auditory processing in individuals with cerebellar disorders-Review of literature | Prof. Rajalakshmi K |
|  | Dhanya M | Perceptual cues of Coarticulation in Malayalam in Normal Hearing and Hearing impaired individuals | Dr. Sandeep M |
|  | RakeshGatla | Auditory processing and speech perception abiliites in carriers of mutated genes that cause hearing loss (Tentative) | Dr. Sandeep M |
|  | Yashashwini L | Categorical perception and processing of speech and music stimuli in individuals with and without music training (Tentative) | Dr. Sandeep M |
|  | Vikas M.D. | Yet to be decided | Dr. Manjula P. |
|  | Anoop | Yet to be decided | Dr. Ajith Kumar U. |
|  | ShubhaTak | Yet to be decided | Dr. AshaYathiraj |
|  | Shreyaank | Yet to be decided | Dr. AshaYathiraj |

1. **PG Dissertations**
2. **Completed : NIL**
3. **Under progress: 36**

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| --- | --- | --- | --- |
| **No.** | **Name of the candidate** | **Title of the dissertation research proposal** | **Guide** |
| 01 | Abhijit | Evaluation of digital hearing aids with wireless synchronization in older adults | Ms. Geetha C. |
| 02 | Anoopa | Reasons for use and non-use of hearing aids | Dr. Manjula P. |
| 03 | Anuj Kumar | Correlation between vhit and caloric test in individual with auditory neuropathy spectrum disorder | Dr. Sujeet Kumar Sinha |
| 04 | Chaitra M.C. | Profiles of challenging listening situations experienced by people with hearing loss: effects of socioeconomic background | Dr. Rajalakshmi K. |
| 05 | Devamma V. | Comparison of directional microphone and digital noise reduction algorithms in binaural hearing aid users | Dr. N. Devi |
| 06 | Jasiya | Vestibular evoked myogenic potentials and video head impulse test in auditory neuropathy spectrum disorder | Dr. Niraj Kumar Singh |
| 07 | Jeena T.K. | Binaural interaction component, binaural fusion test and making level difference in children at risk of central auditory processing disorder | Dr. Prawin Kumar |
| 08 | Keerthi S P | Working memory and low redundancy speech perception in the normal ear of individuals with unilateral hearing loss | Dr. Jijo P.M. |
| 09 | Kirti Joshi | Impact of hearing aid use on vestibule-ocularreflex and body balance | Dr. Niraj Kumar Singh |
| 10 | Krithika G | Brainstem encoding of speech and corticofugal modulation in children with specific language impairment | Dr. Sujeet Kumar Sinha |
| 11 | Lavanya | Relationship between speech perception in noise and working memory in individuals with normal hearing | Dr. Ajith Kumar U. |
| 12 | Manisha Sahu | Brainstem encoding of speech sound in individuals who practice meditation | Dr. Sujeet Kumar Sinha |
| 13 | Meenu A.V. | Effect of short-term exposure to below damage risk criteria noise on temporal processing and speech perception | Dr. Sandeep M. |
| 14 | Meghana N. | Effect of pranayama in the management of tinnitus | Ms. Mamatha N. M. |
| 15 | Nainitha K.K. | Acoustic change complex as an objective gap detection test in elderly individuals | Mr. Ganapathy M.K. |
| 16 | Nakhwa Sonal | Development and evaluation of high frequency speech identification test in Indian-English for children | Dr. Asha Yathiraj |
| 17 | Naveen C.P. | Influence of number of frequency bands on perception of Kannada chimeric sentences and words | Dr. Devi N. |
| 18 | Nayana M. | Psychoacoustic abilities of normal ear of listeners with unilateral hearing loss | Dr. Jijo P.M. |
| 19 | Pavana M | Effect of frequency transposit on learning of artificial speech in normal hearing individuals | Dr. Ajith Kumar U. |
| 20 | Preethi M | Effect of intensity, repetition rate and stimulus type on spectrum of auditory brain stem response | Dr. Animesh Barman |
| 21 | Priya K P | Early speech perception test for Kannada speaking children | Dr. Asha Yathiraj |
| 22 | Rajith B N | Click-rate induced facilitation of acoustic reflex in children with sensory neural hearing loss | Dr. Rajalakshmi K. |
| 23 | Robina A | Acceptable noise level: effect of background language and number of speakers in Kannada speaking older adults with hearing impairment | Ms. Geetha C. |
| 24 | Sanjeev M R | Effect of noise on the sentence identification test in Kannada in individuals with hearing loss | Ms. Geetha C. |
| 25 | Sanakalpa M | Comparison of children at risk for auditory processing disorder between urban and rural schools | Dr. Asha Yathiraj |
| 26 | Shamantha M | Comparison of channel-free and multi channel hearing aids on performance in individuals with sensorineural hearing loss | Dr. P. Manjula |
| 27 | Shanthala S P | Test retests reliability of video head impulse test in healthy individuals. | Dr. Niraj Kumar Singh |
| 28 | Shashank Nema | Linguistic masking release in juveniles and adults-an Indian language perspective | Dr. Animesh Barman |
| 29 | Shivaprasad S Beelagi | Outcomes of hearing aid and challenging situations in listening: a cross sectional study across rural and urban units | Dr. Rajalakshmi K. |
| 30 | Shubhaganga D | Effect of Bluetooth technology in hearing aids on recognition of naturally rate altered speech | Dr. Hemanth N. |
| 31 | Sneha P. | Objective and subjective measures of localization and spatial perception in hearing impaired adults | Mr. Ganapathy. M.K. |
| 32 | Sreelakshmi H D | Cochlear functioning in individuals with sensorineural hearing loss with and without tinnitus | Mr. Sreeraj K. |
| 33 | Srikanth Nayak | Relationship between temporal processing, attention | Dr. Prawin Kumar |
| 34 | Swathy B L | Threshold estimation using multi-frequency abr in infants | Dr. Sandeep M. |
| 35 | Tejaswini S | Assessing localization ability from individuals with hearing impairment: a study on simulated traffic environment | Dr. Hemanth N. |
| 36 | Usha Rani S | Music evoked p300 in individuals with and without musical abilities | Dr. Devi N. |

1. **Research Paper Publications/ Presentations**
2. **Presented at National/International Conferences /Seminars**

**National: 6**

1. Geetha C., Vinodhini P. &Hemanth N. (2016). ‘Effect of number and type of algorithms in a hearing aid on temporal cues and speech perception’. Paper presented in 9th KSB ISHACON 2016 at Palakkad, Kerala on 23.010.2016.
2. Vinodhini P. &Geetha C. (2016). ‘Evaluation of differences between International Speech Test Signal (ISTS), Kannada passage and English passage ’. Paper presented in 9th KSB ISHACON 2016 at Palakkad, Kerala on 23.10.2016.
3. Manjula P., Jawahar Antony P., Megha, Nayana P. K., Geetha C. Outcome with Cochlear Implantation in a Child with ANSD. Paper presented at CIGICON 2016 held at Kochi from 8th to 9th October 2016.
4. AshaYathiraj, Geetha C, Jawahar Antony P, Megha, Nayana P K (2016). Unusual high electrode impedances and its implication in mapping. Paper presented at CIGICON 2016 held at Kochi from 8th to 9th October 2016.
5. Niraj Kumar Singh, NirmalaJagadish (2016). Undesirable Vestibular Stimulation in Cochlear Implant Users. Paper presented at CIGICON 2016 held at Kochi from 8th to 9th October 2016.
6. Niraj Kumar Singh, SachchidanandSinha, Nimay Kumar Keshree and Shenal Kothari (2016). Effect of cochlear implantation on cervical vestibular evoked myogenic potential. Paper presented at CIGICON 2016 held at Kochi from 8th to 9th October 2016.

**International: 2**

1. Devaraju, D.S., Gnanateja, G.N., Maruthy, S., Maruthy, S., Uppunda, A.K. (2016). Perception of Acoustically Altered Speech in Persons with Stuttering. Paper presented at Hong Kong Speech and Hearing Symposium 2016, Prince of Wales Hospital, Hong Kong on 22-23 October 2016.
2. G. Nike Gnanateja&SandeepMaruthy (2016). Timescale of temporal fine-stucture cues important for speech perception’ and perception of Acoustically Altered Speech in Persons with Stuttering. Paper presented at Hong Kong Speech and Hearing Symposium 2016, Prince of Wales Hospital, Hong Kong on 22-23 October 2016.
3. **Research Papers Published**

**In-house publications: NIL**

**NationalPublications:NIL**

**International Publications: 1**

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| --- |
| 1. ZeenaVenkatacheluvaiahPushpalatha, SreerajKondath (2016). Auditory Brainstem Responses for Click and CE-chirp Stimuli in Individuals with and without Occupational Noise Exposure. Noise and Health: Sep-Oct 2016: Volume 18: Issue 84, pg (260-265) |

1. Papers published in conference / Seminar Proceedings- **4**
2. G. Nike Gnanateja&SandeepMaruthy (2016). Timescale of temporal fine-stucture cues important for speech perception’ and perception of Acoustically Altered Speech in Persons with Stuttering. Paper published in the proceedings of Hong Kong Speech and Hearing Symposium 2016, Prince of Wales Hospital, Hong Kong held on 22-23 October 2016.
3. Devaraju, D.S., Gnanateja, G.N., Maruthy, S., Maruthy, S., Uppunda, A.K. (2016). Perception of Acoustically Altered Speech in Persons with Stuttering. Paper published in the proceedings of Hong Kong Speech and Hearing Symposium 2016, Prince of Wales Hospital, Hong Kong held on 22-23 October 2016.
4. Devaraju, D.S., Uppunda, A.K., Maruthy, S. (2016). Brainstem Encoding of Steady and Dynamically Changing Virtual Pitch in Adults Who Do and Do Not Stutter. Paper published in the proceedings of Hong Kong Speech and Hearing Symposium 2016, Prince of Wales Hospital, Hong Kong held on 22-23 October 2016.
5. Devaraju, D.S., Maruthy, S., Uppunda, A.K. (2016). Comparison of Auditory Working Memory Abilities in Adults Who Do and Do Not Stutter. Paper published in the proceedings of Hong Kong Speech and Hearing Symposium 2016, Prince of Wales Hospital, Hong Kong held on 22-23 October 2016.
6. Books/Book chapters published- NIL
7. Books/Manuals/Seminar Proceedings edited-NIL
8. Scholarly Reviewing Activities-**6**

***Dr. Sujeet Kumar Sinha***

International Journal of Audiology

ISHACON abstracts

***Dr. Devi N.***

ISHACON abstracts

***Dr. Niraj Kumar Singh***

Acta-Otolaryngologica

Journal of Ear, Nose and throat disorders

***Mr. PrashanthPrabhu***

International Journal of Audiology

1. Journal Editorship

**CLINICAL SERVICES: GENERAL/** नैदानिक ​​सेवाओं :आम

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. **Hearing Evaluation**  |  |  | | --- | --- | | Clients seen in OPD | 1495 | | Clients seen at JC block | 1123 | | ***Ears with diff degrees of HL*** |  | | ·  Normal hearing | 387 | | ·  Minimal | 212 | | ·  Mild | 299 | | ·  Moderate | 282 | | ·  Moderately severe | 267 | | ·  Severe | 320 | | ·  Profound | 285 | | . Minimal to mild | 3 | | . Mild to moderate | 20 | | . Mod.to modtly severe | 33 | | . Modtly severe to sev. | 40 | | . Severe to profound | 94 | | . Moderate to severe | 4 | | . Sloping | 63 | | ***Ears tested having*** |  | | . Conductive hearing | 224 | | . Mixed hearing loss | 376 | | . SN hearing loss | 583 | | Clients with unil HL | 127 | | Clients with bil HL | 866 | | Ears with Aud. Dys-synchrony | 8 | | Clients with APD | 1 | | Clients with Funl HL | 10 | | Clients - tinnitus evaln | 25 | | Clients for PTA | 1060 | | Clients for Sp.Aud | 1048 | | Clients for Immitt. evln | 1067 | | Clients for OAE | 276 | | Clients for ABR | 324 | | Clients for VEMP | 2 | | Clients for VHIT | 0 | | Clients for BOA | 45 | | Clients for VRA | 13 | | Clients for LLR | 4 | | 1. **Hearing Aid Trial**  |  |  | | --- | --- | | **Hearing Aid Trial** |  | | No. of clients seen for HAT | **614** | | HAs prescribed at AIISH | 356 | | . Body level hearing aids | 133 | | - ADIP | 116 | | * Purchased | 17 | | ·    Analogue BTE | 0 | | ·    Digital BTE | 292 | | ·    Trimmer Digital BTE | 0 | | ·    Digital ITE | 0 | | ·    Digital ITC | 0 | | ·    Digital CIC | 0 | | . Digital RIC | 30 | | No. of clients recommended |  | | ·    Auditory training | 89 | | ·    Speechreading | 14 | | HA prescribed on exchange | 2 | | Unaided/aided audiograms | 81 | | Aided VRA | 12 | | Programming of digital HA | 310 | | No. of IGO done | 0 | | EAC of hearing aids done | 5 | | Tretrial with CEM | 169 | | Recommended for ear plugs | 2 | | Unaided & aided LLR done | 0 |  1. **Counseling and Guidance**  |  |  | | --- | --- | | Total no. of counseled | **356** | | No. of clients counseled at AIISH | 356 | | No. of clients counseled at Camps | 0 | |

1. **Ear moulds**

|  |  |
| --- | --- |
| **Earmold lab** | |
| Clients ear imprn. taken | 317 |
| * New clients | 154 |
| * Old clients | 163 |
| Ear impressions taken | **497** |
| * Free-of-cost | 64 |
| * 100% payment | 433 |
| EMs completed | 496 |
| No. Mould Lacquered | 24 |
| No. of sound tube issued | 112 |
| Hard regular moulds | 39 |
| Hard shell mould made | 0 |
| Soft mould made | 298 |
| Hard canal moulds | 0 |
| Soft canal moulds | 12 |
| ITC impression made | 3 |
| Swimmer plug (soft) | 9 |
| Swimmer plug (hard) | 0 |
| No. of ear blocked | 0 |
| EMs withaco. modificns. | 0 |
| Clients seen at camp | 0 |
| Ear imprn taken-camp | 0 |
| CPL impressions received | 0 |
| CPL moulds completed | 0 |
| Def. ear imp recd by CPL | 0 |

***State wise statistics Revenue***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **States** | **Statistics** |  | **Sl.No.** | **Details** | **Amount** |
|  | Andhra Pradesh | 2 |  |  | Spares | 6100/- |
|  | Karnataka | 289 |  |  | Post | 550/- |
|  | Kerala | 15 |  |  | Making ear moulds | 79550/- |
|  | Tamil Nadu | 9 |  |  |  |  |
|  | Telangana | 2 |  |  |  |  |
|  | Others | 0 |  |  |  |  |

1. **Age-wise statistics: Audiological disorders**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Age**  **group**  **yrs.** | **Hearing**  **Evaluation** | | **Hearing Aid**  **Trial** | | **Ear moulds** | |
| **Male** | **Female** | **Male** | **Female** | **Male** | **Female** |
| 0-1 | 16 | 10 | 12 | 1 | 7 | 9 |
| 2-5 | 56 | 41 | 71 | 55 | 45 | 40 |
| 6-10 | 48 | 40 | 31 | 28 | 27 | 14 |
| 11-15 | 27 | 26 | 25 | 23 | 10 | 10 |
| 16-20 | 31 | 23 | 17 | 9 | 17 | 5 |
| 21-25 | 56 | 29 | 15 | 9 | 7 | 4 |
| 26-30 | 28 | 19 | 10 | 3 | 8 | 4 |
| 31-35 | 34 | 22 | 7 | 5 | 3 | 1 |
| 36-40 | 37 | 29 | 8 | 4 | 7 | 5 |
| 41-45 | 32 | 24 | 9 | 5 | 1 | 8 |
| 46-50 | 44 | 22 | 14 | 6 | 3 | 4 |
| 51-55 | 38 | 28 | 18 | 15 | 4 | 8 |
| 56-60 | 48 | 30 | 23 | 9 | 6 | 3 |
| 61-65 | 55 | 28 | 29 | 10 | 7 | 5 |
| 66-70 | 57 | 26 | 30 | 17 | 8 | 3 |
| 71-75 | 40 | 13 | 27 | 8 | 7 | 6 |
| 76-80 | 26 | 6 | 18 | 5 | 8 | 4 |
| 81-85 | 14 | 7 | 13 | 5 | 4 | 4 |
| 86-90 | 7 | 1 | 9 | 10 | 1 | 0 |
| 91+ | 4 | 1 | 1 | 0 | 0 | 0 |
| **Total** | 698 | 425 | 387 | 227 | 180 | 137 |
| **1123** | | **614** | | **317** | |

**CLINICAL SERVICES: SPECIALIZED/** नैदानिक ​​सेवाओं :विशेष

1. **Implantable Hearing Devices Unit**

|  |  |
| --- | --- |
| **Implantable Hg. Devices Unit** |  |
| No. of cases seen | 10 |
| 1. Non-ADIP | 7 |
| 1. ADIP-CI | 3 |
| No. of switch on | 1 |
| 1. Non-ADIP | 1 |
| 1. ADIP-CI | 0 |
| No. of sessions | 11 |
| 1. Non-ADIP | 8 |
| 1. ADIP-CI | 3 |
|  |  |
| Mapping for CI | 9 |
| 1. Non-ADIP | 7 |
| 1. ADIP-CI | 2 |
| Aided audiograms for CI | 8 |
| Troubleshooting CI devices | 2 |
| 1. Non-ADIP | 1 |
| 1. ADIP-CI | 1 |
| Counselling for CI clients | 10 |
| 1. Non-ADIP | 7 |
| 1. ADIP-CI | 3 |
| BAHA trial | 0 |
| Candidacy for CI | 5 |
|  |  |

1. **Listening Training Unit**

|  |  |
| --- | --- |
| **Listening Training Unit** |  |
| Clients seen | 260 |
| Sessions taken | 1009 |
| Clients for whom demo therapy given | 15 |
| New clients | 26 |
| Repeat clients | 234 |
| Clients discharged | 10 |
| Clients discontinued | 02 |
| Pre-school sessions attended | 00 |
| Clients given training in Hindi | 23 |
| Clients with CI trained | 25 |
| Sessions for clients with CI taken | 128 |
| Clients with tinnitus attended therapy | 7 |
| Sessions for clients with tinnitus | 32 |
| Clients with ANSD | 0 |
| Sessions for clients with ANSD | 0 |
| Clients with hyperacusis | 0 |
| Clients with CAPD | 0 |
| Sesseionsforclientswith CAPD | 0 |
| Clients for speech reading | 0 |
| Clients for observn for HAT | 1 |

**Clinical Support Services/** नैदानिक ​​समर्थनसेवाएं

***Certificates Issued***

|  |  |
| --- | --- |
| 1. **HEARING EVALUATION** |  |
| Financial aid (pension of GOK) | 98 |
| Admission to deaf school | 0 |
| Physically handicapped | 4 |
| Tax exemption | 2 |
| Education scholarship | 0 |
| Others | 0 |
| Certificate issued at camp | 0 |
| **Total** | **104** |
| 1. **HEARING AID TRIAL** |  |
| Driving licence | 0 |
| Financial Aid | 47 |
| CI | 7 |
| Others | 0 |
| **Total** | **54** |

**PUBLIC EDUCATION AND OUTREACH SERVICES/**

सार्वजनिकशिक्षाऔरआउटरीचसेवाएं

1. **Communication Disorders Screening Camps (**Details such as **v**enue, Staff deputed, No. of clients seen, Assessment & Rehabilitation Details)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 26.10.16 | VittalaDhama JP Nagar | Ms. Jyothi S. | Total No. of cases seen | 14 |
| No. of clients referred to AIISH | 8 |

1. **Other Outreach Services-NIL**
2. **Public lecture series-NIL**

**TECHNOLOGICAL CONSULTANCY SERVICES/** तकनीकीपरामर्शसेवाएं**-NIL**

Two B.ASLP programs have been sanctioned in the government hospitals of Raichur and Shimoga with the financial assistance from the GOI. The department provided technical specifications for sound treated rooms and diagnostic equipments.

**AWARDS AND HONORS/** पुरस्कारऔरसम्मान**RECEIVED BY FACULTY AND STAFF-**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Name** | **Paper/Name of the award** | **Venue** | **Date** |
|  | Devaraju, D.S., Gnanateja, G.N., Maruthy, S., Maruthy, S., Uppunda, A.K. (2016). | *Best Paper Presentation*  Perception of Acoustically Altered Speech in Persons with Stuttering | Hong Kong Speech and Hearing Symposium 2016 | 22-23 Oct 16 |
|  | Manjula P., Jawahar Antony P., Megha, Nayana P. K., Geetha C. | *Best E-poster- I prize*  Outcome with Cochlear Implantation in a Child with ANSD | CIGICON 2016, Kochi | 8-9 Oct 16 |
|  | Geetha C., Vinodhini P. &Hemanth N. | *Best Audiology Paper-II prize*  Effect of number and type of algorithms in a hearing aid on temporal cues and speech perception | 9th KSB ISHACON 2016 at Palakkad, Kerala | 23.10.16 |
|  | Niraj Kumar Singh, NirmalaJagadish | *Best Audiology Paper*  Undesirable Vestibular Stimulation in Cochlear Implant Users | CIGICON 2016, Kochi | 8-9 Oct 16 |

**EXTRA CURRICULAR ACTIVITIES/** पाठ्येतरगतिविधियां**-NIL**

**MAJOR EVENTS/** प्रमुखईवेंट**- NIL**

(A brief note in not more than five sentences about each activity/event)

**VISITORS/** आगंतुकों-

* Smt. Umashree, Minister for Women & Child Welfare & Kannada & Culture, Government of Karnataka, Bangalore visited on 04.10.16
* 55 MSW students visited the department

**ANY OTHER/** कोईदूसरा

1. **Additional Services (Academic/Administrative) Rendered by the Faculty and Staff**

|  |  |
| --- | --- |
| Dr. AshaYathiraj | * Director Incharge from 27.10.16 & 31.10.16 * Chairperson for disposal of obsolete/unserviceable equipments |
| Dr. Manjula P. | * Coordinator of NPPCD programme organized at AIISH from 18.10.16 to 24.10.16 * Attended meeting for empanelment of hospitals for cochlear implant scheme under suvarnaarogyasuraksha trust on 27.10.16 |
| Dr. Rajalakshmi K. | * Evaluated a PhD thesis titled ‘Effect of sensori neural hearing loss on speech evoked auditory cortical potentials of the Manipal university * External examiner at Manipal university |
| Dr. Animesh Barman | * Chairperson of transportation committee during Annual DHLS coordinators meet on 17.10.16 * ISO Auditor-Academics |
| Dr. Ajithkumar U. | * NAAC committee coordinator * Served as ISO Internal Auditor for Clinical services |
| Dr. Sujeet Kumar Sinha | * Relieved as member of Learning Disability Clinic |
| Dr. Prawin Kumar | * Member secretary of catering committee during Annual DHLS coordinators meet on 17.10.16 |
| Dr. Niraj Kumar Singh | * Recorded two talks in English on ‘Balance function & Dysfunction’ & ‘Central Auditory processing disorders’ on 05.10.16. The same shall be broadcasted on 25.10.16 & 25.11.16 at 9.16 p.m * Chairperson of Accommodation/Hospitality committee during Annual DHLS coordinators meet on 17.10.16 * Relocation and posting of Dr. Niraj Kumar from AIISH to NSCBMC, Jabalpur * Relived as guest house in-charge |
| Ms. Devi N. | * Examiner Kerala university * Member secretary of stage committee during Annual DHLS coordinators meet on 17.10.16 |
| Ms. Geetha C. | * Member of Learning Disability Clinic |
| Mr. PrashathPrabhu | * Coordinator of NPPCD programme organized at AIISH from 18.10.16 to 24.10.16 * Served as ISO Internal Auditor for SLS * Assisted HOD during ISO Internal audit of the department |
| Dr. Hemanth N. | * Assisted HOD during ISO Internal audit of the department |
| Mr. Ganapathy M K | * Served as ISO Internal Auditor for Clinical services |
| Dr. Ramadevi K J S | * Trained 3 SLP-Gr-I in programming the BTE model (ALPS) by using Hi-Pro for issuing hearing aids to the villages under the project ‘Survey of Communication disorders by trained ASHA workers in the districts of Mysuru, Mandya&Chamarajanagar’ on 05.10.16 |
| Mr. Darga Baba F. | * Relieved from the work of assisting International Guest House |
| Mr. Arunraj K. | * ISO Auditor-Administration (Engineering) |

1. **Others-**

|  |  |
| --- | --- |
| **Feedback for the month of September** | Feedback-25  Very good-11, Good-9, Satisfied-2, Not-satisfied-3 |
| **University of Southampton webinar** | A webinar in collaboration with the University of Southampton is organized for the M.Sc students on ‘Noise induced hearing loss’ on 18.11.2016 (afternoon) in the seminar hall |
| **Contract staff** | ***Appointments(Bond staff)***  Ms. Mamatha HR, joined on 13.10.16 (HN)  Ms. Meghana Mohan B., joined on 13.10.16 (NKS)  Ms. PratibhaNagalakshmi, joined on 13.10.16 (KR)  Mr. Ishu, joined on 13.10.16 (MP)  Ms. Sindhu P., joined on 13.10.16 (JPM)  Ms. Tina Hephzibah. S., joined on 18.10.16 (AY)  Mr. Raghav H. Jha, joined on 17.10.16 (PK)  Ms. Maithri.N, joined on 18.10.16  Ms. Sahana V., joined on 19.10.16  Ms. Aditi G., joined on 19.10.16  Ms. Vidhya Suresh, Research officer (PP), joined on 17.10.16  Ms. Nayana P. Kumar, Audiologist Gr-II, joined on 13.10.16  Mr. Prashanth S.S, Software engineer, joined on 25.10.16  ***Relieved***  Ms. Preeta Singh, Audiologist Gr-II  Ms. Padmashree B, Audiologist Grade (HDDU)  Ms. HusnaFirdose, Research officer  Ms. Amritha G, Research officer  Ms. Syeda Aisha, Research officer  Ms. Priyanka J, Audiologist  Ms. Bhuvana, Research officer  Ms. Nirmala J, Research officer  ***Extension***  Mr. Akshay M., Research officer tenure extended till Jan 17 |

Dr. Sandeep M. / QûÉä.xÉÇSÏmÉLqÉ.

**HOD – Audiology/ ÌuÉpÉÉaÉÉkrÉ¤É-AÉäÌQûrÉÉåsÉeÉÏ**