**DEPARTMENT OF AUDIOLOGY**

**ACTIVITIES CARRIED-OUT (1st APRIL 2014 - 31st MARCH 2015)**

1. **ACADEMIC ACTIVITIES**

**Curriculum Development: 2 nos.**

1. Diploma in Hearing Aid and Earmold Technology and Diploma in Hearing-Language and Speech syllabus was modified in the Rehabilitation Council of India Expert Committee meeting held on 26.06.14. Dr. Ajith Kumar U, HOD-Audiology was the member of the committee and gave inputs to modify audiology papers in the syllabus.
2. Dr. Vijayakumar Narne gave feedback on the syllabus for BASLP and MASLP in response to letter received from Dr. Krishna, Y, Hon. General Secretary, ISHA. This was submitted to the Director for necessary action.
3. **RESEARCH ACTIVITIES**
4. **Research Projects** (Include only if the Principal Investigator is from the Department)
5. ***Completed research Project***

***Intra-mural Projects Completed:***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No** | **Title** | **Objectives** | **Investigators** | **Funding source** | **Grant amt.** ` | **Submitted on** |
| 01 | Altered frequency tuning of VEMP: Could it be a diagnostic tool to identify endo- lymphatic hydrops | To check for efficacy of frequency tuning of VEMP evaluation in identification of Meniere’s disease | Niraj Kumar Singh, Dr. G. Rajeshwari, Dr. Animesh Barman, Dr. Sujeet Kumar Sinha | ARF | 321,000 | 4/2014 |
| 02 | Assessment of different vestibular pathways in individuals with peripheral vestibular disorders | To assess the different vestibular pathways in individuals with different vestibular disorder | Dr. Sujeet Kumar Sinha  Dr. G Rajeshwari | ARF | 306,000 | 8/2014 |
| 03 | Audiovisual perception and processing in individual auditory dys-synchrony | To study audiovisual speech processing and perception in individuals with auditory dys-synchrony. | Dr. Sandeep M, C. Geetha | ARF | 311,000 | 4/2014 |
| 04 | Effect of frequency specific amplification on speech perception in individual with ANSD | Effect of amplification strategies for speech perception in individuals with ANSD | Dr. Animesh Barman  Prashanth Prabhu P  Dr.Sujit Kumar Sinha | ARF | 331,000 | 25.07.14 |
| 05 | Hearing in musicians | To prepare audio- logical profile for vocal & instrumental musicians | Dr. K Rajalakshmi | ARF | 331,000 |  |
| 06 | Neuro-physiolo- gical mechanisms of speech percep- tion in noise | To find out the neuro-physiological basis for speech perception in noise | Dr. Sandeep M, Dr. Ajith Kumar U | ARF | 326,000 |  |
| 07 | Prediction of speech identifica- tion score using speech intelligi- bility index. | A multi-centric study to evaluate the effectiveness of speech intelligibility index in prediction of SRS in Hindi, Marathi, Kannada & Tamil languages | Dr. Asha Yathiraj & Dr. Manjula P, Dr. CS, Vanaja, Heramba G Dr. Vanaja C.S, Mr. Heramba, G | ARF | 225,000 | 4/2014 |
| 08 | Profiling anxiety-depressive and personality traits in individuals with tinnitus. | Psychological profile of tinnitus individuals, co-relating psycho- logical profile with audiological profile | Dr. Ajith Kumar U | ARF | 371,000 | 28.07.14 |
| 09 | Sentence lists in Malayalam and Telugu | To develop sentences in Malayalam and in Telugu, to standardize the developed sentences, to investigate across clinical population | Sreeraj K,  Kishore Tanniru,  Dr. Vijaya kumar Narne, Niraj Kumar Singh, Chandni Jain  Dr. Ramadevi Sreenivas K.J | ARF | 602,000 |  |
| 10 | Sub-typing of Dyslexia: Application of ERP measures | To investigate ERP correlates of implicit phonological processing during the recognition of spoken words in dyslexics and normally reading children | Mamatha N.M, Dr. Jayashree C Shanbal | ARF | 577,000 | 4/2014 |
| 11 | Speech evoked LLR and speech evoked ABR in children with (Central) auditory processing disorder | To investigate the relationship between sub-cortical and cortical responses evaluated through speech evoked ABR and LLR in children with CAPD | Dr. Prawin Kumar  Mr. Niraj Kumar Singh, | AIISH | 4,10,000 | 3/2015 |

***Names of Extramural Projects Completed: Nil***

1. ***New research project (initiated 2013-14)***

***Intra-mural : 9 nos.***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **Objectives** | **Investigators** | **Funding source** | **Grant amount** ` |
| 01 | An exploratory study of tinnitus in Indian context. | To study the tinnitus and its qualitative base of assessment and rehabilitation in Indian context | Dr. Rajalakshmi K, Dr. Vinaya KC. Manchaiah, Prof. David Bagely, Prof. Anderson | ARF | 8,20,000 |
| 02 | Auditory brain plasticity: Vocalists, instrumental musicians and non-musicians. | To study the brain plasticity in vocal, instrumental and non-musicians | Dr. Rajalakshmi K | ARF | 4,40,000 |
| 03 | Effectiveness of computer based auditory training in children with central auditory processing disorders | To evaluate the effectiveness of computer based auditory training in children with central auditory processing disorders | Dr. Prawin Kumar  Niraj Kumar Singh | A ARF | 8,10,000 |
| 04 | Evaluation of digital signal processing features in hearing aids with ear to ear synchronization | To assess localization ability and to obtain SNR50 in different aided and in unaided conditions in individuals with hearing impairment | Geetha C Kishore Tanniru | ARF | 4,10,000 |
| 05 | Is acceptance noise level (ANL) a deciding factor of tinnitus management using hearing aids | To evaluate perception of tinnitus in terms of pitch, loudness and Tinnitus Handicap Inventory. To investi -gate speech percep- tion in noise (SNR- 75) using a hearing aid programmed either using NAL NL 2 or DSL i/o v 5.0 at the first fit, in two ANL groups. To assess percep- tion of tinnitus (in terms of pitch, loudness and Tinnitus Handicap Inventory) & speech perception in noise after one month of hearing aid usage in two ANL groups. | Jijo P.M. & Hemanth N | ARF | 3,80,000 |
| 06 | Newborn communication screening: Through an innovative mobile (Android based) technology | To develop android based application tool for self (parents) newborn communication screening | Arunraj K, Dr. Jayashree Shanbal Dr. Vijayakumar Narne | ARF | 8,10,000 |
| 07 | Optimizing the response filter setting for acqui- sition of ocular vestibular evoked myogenic potential elicited by air conduction tone bursts of 500 Hz | Optimization of filter set for recording oVEMP | Niraj Kumar Singh  Dr. Animesh Barman | ARF | 4,00,000 |
| 08 | Relationship between behavioural measures and aided cortical potential responses in children with hearing impairment (0-5 years) | To check the relation -ship between behavioural measure and aided cortical potential responses in infant/children using hearing aids in the age range of 0-5 years. Further, comparison will also be made between unaided responses from children with normal hearing and aided response from children using hearing aids | Dr. Prawin Kumar, Geetha C | ARF | 4,10,000 |
| 09 | The genetics of sensorineural hearing loss | To carryout the full gene analysis of prelingual sensori-neural hearing loss | Dr. Rajalakshmi K, Dr. Srinivas Naidu | ARF | 13,38,000 |

***Extramural :***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Title** | **Objectives** | **Investigators** | **Fund** ` |
| 01 |  |  |  |  |

1. ***Ongoing research project***

***Intra-mural :***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Title** | **Objectives** | **Investigators** | **Fund in** Rs. |
| 01 | Comparison of normal and pathological middle ears using multi-frequency tympanometry | To provide normative data, establish sensit i-vity & specificity of RF, to compare multi-frequency between normal & pathological middle ears. | Dr. Sandeep M, Sharath K.S., Megha, Dr.Sundara Raju | 3,16,000 |
| 02 | Development of hearing aid simulator | To develop a hearing aid simulator | PI: Sujeet Kumar Singh CI: Dr. Animesh Barman Dr. D.S. Guru, Dr. Vijayakumar Narne | 2,15,000 |
| 03 | 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: Prashanth Prabhu  Dr. Vijayakumar Narne  Niraj Kumar Singh | 5,92,000 |
| 04 | Development of online system for hearing screening | To develop software for online hearing screening using puretone, to develop a calibrated stimulus delivery system for the received end. | Ms. Chandni Jain, Prof. Ajish K Abraham | 6,56,000 |
| 10 | Development of phonemically balanced word lists in Kannada for adults | To develop and standardize phonetically balanced word list in Kannada | Dr. Manjula P, Geetha C, Sharath K, Jawahar, A.P. | 3,16,000 |
| 05 | Development of sentence test for speech recognition threshold in Hindi | To develop and standardize sentence test for speech recogni-tion threshold in Hindi | Chandni J, Dr.Vijayakumar N, Niraj Kumar Singh Dr. Prawin Kumar | 3,06,000 |
| 06 | Temporal ability screening test (TAST): Develop -ment and validation | Development of a screening tool for identifying temporal processing deficits,  Validation of the developed tool,  Investigate the effect of hearing loss on the temporal abilities of the older individuals,  Investigate the effect of hearing loss on the results of the developed tool, Compare the temporal abilities of native speakers of Marathi with native speakers of Kannada | Dr. Asha Yathiraj  Dr. Vanaja, C.S | 7,45,000 |

***Extramural Projects: 3 nos.***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Title** | **Objectives** | **Investigators** | **Fund** ` |
| 01 | Cortical auditory evoked potentials as a measure of central auditory development in children with hearing impairment | **To record CAEP in children with normal hearing and children with hearing impairment. (2) To find out the relation- ship between auditory development and language development using P1 maturation in children with normal hearing and hearing impairment.** | Dr. Vijayakumar Narne, Dr. Swapna N, Dr. Jayakumar T  & Co-Investigator(s) Dr. Swapna N; Mr. Jayakumar T | 26,00,000 |
| 02 | Effect of auditory cognitive training on some auditory and speech perception skills in individuals with sensori-neural hearing loss (DST) project | To establish the relation-ship between working memory and auditory skills in individuals with cochlear hearing loss, To assess the influence of auditory-cognitive  training material on auditory skills, To document the auditory neuro-physiological (ERPs) changes, if any, secondary to training | Dr. Ajith Kumar U, Dr. Sandeep M | 18,33,600 |
| 03 | Effect of Personal music systems on hearing (Under fast-track scheme for young scientists) | Ref. SB/FT/LS-179/2012 dt.26.04.13 | Dr. Ajith Kumar U | 17,80,000 |

**Doctoral and Post-Doctoral Programs**

1. ***Degree Awarded:***

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Topic** | **Guide** | **Awarded on** |
| Hemanth N. Lecturer in Audiology | The effect of amplification on objective measure at brainstem and cortical level & behavioural measure in individuals with peripheral hearing impairment | Prof. P. Manjula | 20.02.15 |

1. ***Thesis Submitted: Nil***
2. ***Under Progress:***

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Name** | **Topic** | **Guide** |
| 01 | Devi N | Auditory evoked potential correlation of speech and music in musicians and non-musicians | Dr. Ajith Kumar U |
| 02 | Geetha C | Optimization of compression parameters in hearing aids using aided audibility index | Prof. Manjula P |
| 03 | Sharath Kumar K.S. | Effect of noise reduction algorithms (NRA) in hearing aids on acoustic and perceptual measures | Prof. Manjula P |
| 04 | M.K. Ganapathy | Effect of age and noise on acoustic change complex – An electrophysiological study | Prof. Manjula P |
| 05 | P.M. Jijo | The effect of enhancement of amplitude and durational cues on speech perception in individuals with auditory neuropathy spectrum disorders | Prof. Asha Yathiraj |
| 06 | Roshni Pillai | Auditory, visual and auditory-visual processing in children with learning disability | Prof. Asha Yathiraj |
| 07 | M.P. Reuben Jebaraj | Influence of hearing aid fitting strategies on speech recognition in individuals with sloping hearing loss | Prof. Manjula P |
| 08 | Chandni Jain | Psychophysical abilities and working memory in individuals with normal hearing sensitivity across different age groups | Dr. Ajith Kumar U |
| 09 | Sreeraj K | Audiological profile and management of tinnitus in individuals with normal hearing | Prof. Manjula P |
| 10 | Megha | Auditory cognitive and neuro-physio -logical basis of hearing aid acclimatization | Dr. Sandeep M |
| 11 | Jithin Raj B | Audiovisual perception of acoustically enhanced speech in individuals with auditory neuropathy spectrum disorders | Dr. Sandeep M |
| 12 | Niraj Kumar Singh | Frequency tuning property of ocular-vestibular myogenic potentials in healthy individuals and in individuals with vestibular pathologies | Dr. Animesh Barman |
| 13 | Usha Shastri | Influence of some auditory and cognitive factors on perceptual learning of non-native speech sound contrast | Dr. Ajith Kumar U |
| 14 | Ramya V | Efficacy of temporal processing training in older adults | Prof. Asha Yathiraj |
| 15 | Priyanka V | Temporal processing abilities audi -tory working memory and speech perception in noise in vocal musicians, violinists and non-musicians | Prof. Rajalakshmi K |
| 16 | Srikar V |  | Dr. Animesh Barman |
| 17 | Nike Gnanateja |  | Dr. Sandeep M |
| 18 | Kumari Apeksha |  | Dr. Ajith Kumar U |
| 19 | Prashanth Prabhu P |  | Dr. Animesh Barman |
| 20 | Arunraj K |  | Dr. Animesh Barman |
| 21 | Jawahar Antony P |  | Dr. Animesh Barman |
| 22 | Nisha K.V |  | Dr. Ajith Kumar U |
| 23 | Pawan M |  | Dr. Rajalakshmi K |

1. **Dissertations Completed:** 33 dissertations carried-out under the guidance of the staff.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name of the candidate** | **Title of the dissertation research proposal** | **Guide** | **Examiner** |
| 01 | Adarsh | Dichotic rhyme test in Hindi: A normative data on adults | Dr. K Rajalakshmi | Dr. Vijayakumar Narne |
| 02 | Aparna M Nair | Effect of auditory attention on contralateral suppression of DPOAEs | Dr.Ajith Kumar U | Dr. Animesh Barman |
| 03 | Astha Khanna | Speech evoked cortical potential in children with normal hearing | Dr. Prawin Kumar | Niraj Kumar Singh |
| 04 | Baviskar Priya Kishor | Effect of working memory on hearing aid benefit in elderly | Dr.Ajith Kumar U | Dr. Sandeep M |
| 05 | Chithra S.S | Effect of personal music system on cervical and ocular reflexes mediated via otolith organs | Niraj Kumar Singh | Dr. Ajith Kumar U |
| 06 | Deepika J | The relationship between behavioural outcome and cortical responses in hearing aid users | Dr. P. Manjula | Dr. Vijayakumar Narne |
| 07 | Dhananjay Rachana | International outcome inventory for hearing aids (IOI-HA) in Hindi – Adaptation from (POP-HA) English | Dr. K Rajalakshmi | Mamatha N.M |
| 08 | Imran Ansari | Effect of pre-voicing ABR in individual with sensorineural hearing loss | Dr. Animesh Barman | Dr. Vijayakumar Narne |
| 09 | Indira C.P | Abhinayadarpanam as used in bharathanatya as a means for improving balance | Dr. Sandeep M. | Dr. Sujeet Kumar Sinha |
| 10 | Jitesh Prasad Sahoo | Effect of tinnitus on speech perception in noise, temporal perception and auditory working memory | Chandani Jain | Dr. Ajith Kumar U |
| 11 | Juhi Virli | Aided cortical assessment in children with severe to profound hearing impairment | Dr. Sandeep M | Geetha C |
| 12 | Jyoti | Comparison of rectified versus unrectified method of eVEMP in individuals with meniere’s disease | Chandni Jain | Dr. Ajith Kumar U |
| 13 | Kanchan K | Frequency specificity of NB-Chirp ABR and it’s correlation with behavioral thresholds | Sreeraj K | Dr. Sujeet Kumar Sinha |
| 14 | Kumaran T | Prevalence and risk factors of tinnitus in individuals with ear and hearing related problems | Geetha C | Dr. Ajith Kumar U |
| 15 | Lakshmi M.S | Is aided cortical auditory evoked potentials a tool for validating hearing aid fitting in children? | Dr. Vijayakumar Narne | Dr. Animesh Barman |
| 16 | Mamatha S | Optimization of frequency compression for persons with sloping hearing loss – Application of SII | Dr. P. Manjula | Prof. Asha Yathiraj |
| 17 | Manjunath Y.N | Misbelieves and unscientific practices in the area of hearing loss: A survey in rural and tribal | Mamatha N.M | Prof. Asha Yathiraj |
| 18 | Merin Mathews | Effect of syllabic compression and dual compression on the identification of hearing aid processed music | N. Devi | Prof. P. Manjula |
| 19 | Nikhil Ben Vettath | The effect of caffeine on ocular VEMP | Kishore Tanniru | Niraj Kumar Singh |
| 20 | Pragnya Bharadwaj | Comparison between frequency tuning and frequency – Amplitude ratio of cervical vestibular evoked myogenic potential for identification of meniere’s disease | Niraj Kumar Singh | Dr. Animesh Barman |
| 21 | Raja Rajan R | The independent effect of digital signal processing schemes of binaural wireless hearing aids on speech intelligibility in noise | Geetha C | Prof. P. Manjula |
| 22 | Rakesh Gatla | Effect of pre-voicing on speech ABR across different age groups in individuals with normal hearing sensitivity | Dr. Animesh Barman | Dr.Ajith Kumar U |
| 23 | Ramiz Malik M | Horizontal localization & speech identification in noise in children with binaural hearing aids | N. Devi | Geetha C |
| 24 | Roja S | Combined effect of rate and noise on compression release time in sentence recognition | Hemanth N | Prof. Manjula P |
| 25 | Rojina Devi N | Development of low frequency word lists for speech identification test in Manipuri language | Sreeraj K | Dr. Ajith Kumar U |
| 26 | Sabarish A | Effect of hearing aid processed speech on perception in individuals with auditory neuropathy spectrum disorder (ANSD) | Jijo P.M. | Prof. Asha Yathiraj |
| 27 | Shilpashree P | eVEMP & oVEMP findings in noise induced hearing loss individuals | Dr.Sujeet Kumar Sinha | Niraj Kumar Singh |
| 28 | Soujanya J | Feasibility of binaural recordings of oVEMP and its efficacy in diagnosis of some vestibular pathologies | Niraj Kumar Singh | Dr. Sujeet Kumar Sinha |
| 29 | Suhani Sharma | Auditory localization: Investigation and comparison of the effects of noise in normal hearing children and adults | Dr. K Rajalakshmi | Dr. Ajith Kumar U |
| 30 | Suman Kumar | Ocular vestibular evoked myogenic potential (oVEMP) in school going children: Indian perspective | Dr. Sujeet Kumar Sinha | Dr. Animesh Barman |
| 31 | Swathi S | Acoustical and perceptual analysis of speech produced in noise | Dr. Ajith Kumar U | Prof. Asha Yathiraj |
| 32 | Tejaswini G | Speech-evoked cortical potential in children with moderate to moderately-severe sensorineural hearing loss | Dr. Prawin Kumar | Sreeraj K |
| 33 | Zebu Yohannan Thampi | Auditory brainstem responses inn toddlers (2-3 years) – A study on maturation of tone burst ABR | Mamatha N.M | Dr. Sandeep M |

1. **Dissertations under progress**

34 II M.Sc (Audiology) students are carrying out their Master’s dissertation under the guidance of the staff of the Audiology Department.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Candidate** | **Title of the dissertation research proposal** | **Guide** | **Internal examiner** |
| 01 | Manjula C | Periodicity coding in children who are learning carnatic music (vocal) | Dr. K. Rajalakshmi | Dr. Ajith Kumar U |
| 02 | Neelesh Benet | Correlation of psychophysical, electrophysiological and working memory measures in musicians and non musicians | Dr. K Rajalakshmi | Chandni Jain |
| 03 | Suman S | Establishing a correlation between speech ABR and speech perception abilities in noise in children with carnatic vocal musical training | Dr. K Rajalakshmi | Dr. Ajith Kumar U |
| 04 | Rakesh PG | Effect of spectro-temporal enhancement on speech perception | Dr. Animesh Barman | Dr.Vijayakumar Narne |
| 05 | Madhuri Sharma | Effect of spectro-temporal enhancement on speech perception in individuals with cochlear hearing loss | Dr. Animesh Barman | Dr. Ajith Kumar U |
| 06 | Akshay M | Influence of musical experience on psychophysical tuning curves and contralateral suppression of DPOAES | Devi N | Dr. K Rajalakshmi |
| 07 | Amritha G | Comparison of difference limen for frequency, intensity and duration with and without amplification device | Devi N | Dr.Vijayakumar Narne |
| 08 | Swathi CS | Effect of music training on masking paradigm | Devi N | Dr. K Rajalakshmi |
| 09 | Husna Firdose | Impact of advancing age on frequency tuning of ocular vestibular evoked myogenic potential | Niraj Kumar Singh | Dr. Animesh Barman |
| 10 | Syeda Aisha | Optimizing the angle of gaze elevation for recording ocular vestibular evoked myogenic potential | Niraj Kumar Singh | Dr. Sujeet Kumar Sinha |
| 11 | Wavhal Rohan Sudhakar | Effect of tone burst polarity on ocular vestibular myogenic potential | Niraj Kumar Singh | Dr. Sujeet Kumar Sinha |
| 12 | Akhil Mohanan | Brainstem encoding and psychoacoustic temporal measures in individuals with diabetes mellitus | Dr. Prawin Kumar | Niraj Kumar Singh |
| 13 | Himanshu Kumar Sanju | Comparison of event related potential & psychoacoustic measures in experienced musicians | Dr. Prawin Kumar | Dr. Sandeep M |
| 14 | Vaishnavi Bohra | Effect of different speech stimuli on acoustic change complex in musicians | Dr. Prawin Kumar | Devi N |
| 15 | Muhammad Thareeque PK | Prevalence of hearing loss & audiological characteristics in the elderly population | Dr. Sujeet Kumar Sinha | Dr. Ajith Kumar U |
| 16 | Nirmala J | Audio-vestibular findings in individuals exposed to occupational noise | Dr. Sujeet Kumar Sinha | Dr. Ajith Kumar U |
| 17 | Vineetha CV | Correlation between cochlea, brainstem and auditory cortical pathways in younger and middle aged adults | Dr. Sujeet Kumar Sinha | Dr. Animesh Barman |
| 18 | Zeena VP | Cochlear and neural functions in industrial workers exposed to occupational noise | Sreeraj K | Dr. Sujeet Kumar Sinha |
| 19 | Sneha S | Effect of deep band modulation and noise on phrase perception in older adults with and without hearing loss | Hemanth N | Dr.Vijayakumar Narne |
| 20 | Preeta Singh | Speech-in-speech recognition - effect of language uncertainty | Geetha C | Chandni Jain |
| 21 | Supreeth R | Effect of meditation on auditory evoked cognitive potentials (P300 and MMN) | Chandni Jain | Dr. Sandeep M |
| 22 | Mohammed Hasheem N | Effect of compression time settings, noise & presentation level on aided speech perception in elderly individuals with temporal processing deficits | Jijo P M | Dr.Vijayakumar Narne |
| 23 | Anjali V Bhat | Validation of the screening test for auditory processing (STAP) on children aged 6 to 8 years | Dr. Asha Yathiraj | Dr. Ajith Kumar U |
| 24 | Bebek Bhattarai | Monosyllabic word identifica- tion test in Nepali for children | Dr. Asha Yathiraj | Dr. Ajith Kumar U |
| 25 | Jithin P Jacob | Validation of hearing aid optimization procedure for bimodal cochlear implant users | Dr. Asha Yathiraj | Dr. Ajith Kumar U |
| 26 | Padmashree B | An evaluation of the influence of temporal fine structure sensitivity on hearing aid outcome | Dr. P Manjula | Dr.Vijayakumar Narne |
| 27 | Priyanka Jaisinghani | Efficacy of SNR loss as a clinical tool for hearing aid prescription | Dr. P Manjula | Dr. Asha Yathiraj |
| 28 | Kiran N | Perception of hearing aid processed speech in adverse listening condition | Dr. Sandeep M | Dr. Manjula P |
| 29 | Shreyank P Swamy | Coarticulatory effects of vowel on consonants in white noise Or Role of coarticulatory cues in noise | Dr. Sandeep M | Dr. Ajith Kumar U |
| 30 | Sowmya M | Test retest reliability of mismatch negativity for speech stimuli | Dr. Sandeep M | Dr. Asha Yathiraj |
| 31 | Vinodhini P | Application of envelope difference index in sentence recognition and speech quality in individuals with hearing impairment | Geetha C | Dr. Manjula P |
| 32 | Tulsi Sao | Effects of hormonal changes on temporal perception and speech perception in noise in females | Chandni Jain | Dr. Asha Yathiraj |
| 33 | Navya B N | Effect of gain and digital noise reduction in hearing aid on growth rate of annoyance in good and poor hearing aid performers | Hemanth N | Dr. Manjula P |
| 34 | Bhuvana S | Effect of spectro-temporal enhancement on speech perception in individuals with ANSD | Dr. Animesh Barman | Dr. Asha Yathiraj |

1. **MAJOR EVENTS**

Extension of audiology block work started on 26.11.2010. New Audiology Block was inaugurated by Dr. Harsh Vardhan, Union Health Minister on 17th October 2014.

Centre of excellence plan was reviewed and finalized.

HOD-Audiology