**DEPARTMENT OF AUDIOLOGY**

**ANNUAL REPORT 2012-13**

1. **ACADEMIC ACTIVITIES**
2. **Short-term Training Programs**

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| **Theme / Topic** | **Coordinator** | **Objectives** | **Target audience** | **No. of participants** | **Date** |
| Hearing evaluation, hearing aid evaluation, taking ear impression, listening training – An overview and observation. | Ms. N.M. Mamatha, Mr. Sharath Kumar, Mr. Baba Fakruddin, Mr. Prashanth Prabhu P, Ms. Sreela, PK, Mr. A. Vivek, Mr.C Chethan | Practical training on the administration of hearing tests, procedures involved in hearing aid fitting, ear impression taking, listening training | Karin van Ballegooijen, Robine Hofstee, Christel van Duerenden Hollander (Bachelor in Speech & Language Pathology from University of Applied Sciences, Utrecht, The Netherlands | 3 | 15.05.12 |
| Mysore Medical College & Research Institute | 1 | 01.06.12 & 04.06.12 |
| PG students from KIMS Hubli | 1 | 16.08.12 & 17.08.12 |
| PG students from KIMS Hubli | 1 | 16.10.12 & 17.10.12 |
| PG students from KIMS Hubli | 3 | 02.11.12 |
| ENT PG students from Sri Devaraj Urs Medical College, Tamaka, Kolar | 1 | 16.11.12 & 19.11.12 |
| ENT PG students from SDUMC, Kolar  MMC, Mysore  SDUMC, Kolar | 2  2  1 | 03.12.12  04.12.12  03.12.12  17.12.12  18.12.12 |
| DHLS students from Pondicherry | 19 | 04-08.02.13 |
| ENT PG MMCRI, Mysore | 1 | 15.02.13 |

1. **In-house programs conducted**

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| **Theme / Topic** | **Coordinator** | **Objectives** | **Target audience** | **No. of participants** | **Date** |
| Cortical auditory evoked potential | Mr. Kishore Tanniru, Dr. Vijayakumar Narne | Basic concepts on cortical AEP and its clinical applications; instrumentation and recording of cortical potentials in individual with normal hearing and hearing impairment; response analysis techniques using neuroscan instrument | Speech and hearing professionals | 16 staff | 13.07.12 & 14.07.12 |
| Staff enrichment program  Lecture delivered by Dr. S.R. Savithri | Dr. Animesh Barman, Dr. Sandeep M | To furnish the faculty with the knowledge and necessary skills for upholding the standards of quality research | Staff of the dept. of Audiology | 29 | 26.07.12 |
| Staff enrichment program  Lecture delivered by Dr. Asha Yathiraj | Dr. Animesh Barman, Dr. Sandeep M | To train the staff of the dept. on protocols for publication of articles, disserta- tions and doctoral theses | Staff of the dept. of Audiology | 27 | 30.08.12 |
| Staff enrichment program  Lecture delivered by Dr. S. Venkatesan | Dr. Animesh Barman, Dr. Sandeep M | Research related issues | Staff of the dept. of Audiology | 28 | 27.09.12 |
| Staff enrichment program  Lecture delivered by Mr. G.H. Anandram | Dr. Animesh Barman, Dr. Sandeep M | Befits available for central Government employees | Staff of the department of Audiology | 17 | 31.01.13 |
| Staff enrichment program  Lecture delivered by Mr. H Basavaraj | Dr. Amimesh Barman Mr. Sujeet Kumar Sinha | Basics on MATLAB | Technical staff of the department | 15 on each day | 7th, 14th, 21st and 28th Feb 2013. |
| Staff enrichment program  Lecture delivered by Mr. H Basavaraj | Dr. Amimesh Barman Mr. Sujeet Kumar Sinha | Basics on MATLAB | Technical staff of the department | 15 on each day | 1st, 8th & 15th March 2013 |

1. **Orientation programs conducted**

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| **Theme / Topic** | **Coordinator** | **Objectives** | **Target audience** | **No. of participants** | **Date** |
| Effect of diet on behavior of children | Dr. Asha Yathiraj,  Ms. K.R. Revathi,  Mr. T. Dhanalakshmi | To guide parents on diet to bring about positive changes in behaviour of their children | Parents of children with hearing impairment | 53 caregivers and 13 staff members | 11.07.12 |
| Hands on training about recent advances in cochlear implant and signal processing | Dr. Asha Yathiraj, Ms. Megha | To update the knowledge on recent technological development | Staff of dept. of Audiology | Staff of the Dept. | 06.08.12 fn |
| Signal processing in CI | Dr. Asha Yathiraj, Dr. Animesh Barman | Update of technology on CI | Staff of dept. of Audiology | Staff of the Dept | 06.08.12 an |
| Orientation for parents on trouble shooting of cochlear implant | Dr. Asha Yathiraj, Ms. Megha | To update the knowledge on care and maintenance of cochlear implant for parents | Parents of children with CI | Staff of the Dept. | 07.08.12 |
| Food: want to have, how to have | Ms. Geetha C Ms. Sreela PK | To enrich the knowledge on correct diet | Inmate of ladies hostel | 150 ladies hostel inmates and staff | 28.01.13 |

1. **Orientation / in-house program /Guest Lecture / demonstration attended**

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| **Name** | **Title of the program** | **Objectives** | **Venue** | **Date** |
| Dr. Asha Yathiraj, Dr. Manjula P, Ms. Devi N, Ms. Geetha, C, Ms. Chandni Jain, Dr. Ramadevi K.J, Mr. Jawahar Antony, Mr. P. Prashanth Prabhu, Mr. Arunraj, K, Ms. Megha, Mr. Jithin B Raj, Ms. Revathi, K.R, Ms. Dhanalakshmi, T, Ms. Priyanjali H | Effect of diet on behavior of children | To guide parents on diet to bring about positive changes in behaviour of their children | Listening Training Unit, Dept. of Audiology | 11.07.12 |
| Dr. Asha Yathiraj  Dr. Manjula P  Dr. Animesh Barman  Ms. Mamatha N.M  Mr. Niraj Kumar  Singh  Mr. Prawin Kumar  Ms. Chandni Jain  Dr. Ramadevi KJ  Mr. Jithin Raj B  Mr. Arunraj K | Cortical auditory evoked potential | Basic concepts on cortical auditory evoked potentials and its clinical applications; instrumentation and recording of cortical potentials in individual with normal hearing and hearing impairment; response analysis techniques using Neuro-scan instrument | Dept. of Audiology | 13.07.12 and 14.07.12 |
| Dr. Rajalakshmi K  Ms. Devi N  Ms. Mamatha N.M, Mr. Kishore T | Application specific training on MATLAB, SIMULINK | To update the current technology of MATLAB | Seminar Hall, AIISH | 17-19.07.12 |
| Dr. Asha Yathiraj, Ms. Megha | Hands on training about recent advances in cochlear implant and signal processing | To update the knowledge on recent technological development | Staff of dept. of Audiology | 06.08.12 fn |
| Dr. Asha Yathiraj, Dr. Animesh Barman | Signal processing in CI | Update of technology on CI | Staff of dept. of Audiology | 06.08.12 an |
| Dr. Asha Yathiraj, Ms. Megha | Orientation for parents on trouble shooting of cochlear implant | To update the knowledge on care and maintenance of cochlear implant for parents | Parents of children with CI | 07.08.12 |
| Dr. Asha Yathiraj, Dr. Manjula P, Dr. Animesh Barman, Dr. Ajith Kumar U, Ms. Mamatha, N.M, Ms. Geetha, Ms. Chandni Jain, Dr. Ramadevi K.J | Guest lecture by Dr. Ayasakantha Rout, Associate Prof. &Director of Audiology, James Madison Univ. USA & AIISH Alumni | Advanced signal processing features in hearing aids: Why some do not work as well as others? | Seminar Hall | 10.12.12 |
| Dr. Ramadevi K.J  Mr. Darga Baba Fakruddin | TURNITIN SW | To learn the utilization of the sw which helps to know the originality of the journal articles, published and to be published papers and research work | Library | 16.01.13 |
| Ms. Geetha C, Dr. Ramadevi K.J. Mr. Arunraj K | Demonstrated newly launched hearing aids | To update knowledge and demonstrate programming newly launched Hearing aids | Dept of Audiology | 05.02.13 |
| Prof. Manjula P, Ms. Geetha, C., Dr. Ramadevi K. | Demonstrated of widex-coselgi hearing aids | To demonstrate programming of widex coselgi hearing aids | Dept of Audiology | 05.02.13. |

1. **Clinical Observation Posting of Students from Other Institutes**

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| **No. of students** | **Course** | **Institute** | **Date** |
| 2 students of speech language therapy | Observation of hearing evaluation, hearing aid trial, ear impression taking and listening training | University of Applied Sciences, Utrecht, Netherlands | 10.08.12 |

1. **Refresher course/Seminars/Symposium/Workshops**
2. **Conducted:**

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| **Theme / Topic** | **Coordinator** | **Objectives** | **Target audience** | **No. of participants** | **Date** |
| Refresher course on AEP | Mr. Prawin Kumar, Mr. Niraj Kumar Singh | To update the knowledge on Auditory Evoked Potentials | Practicing speech & hearing professionals | 5 | 09-20.04.12 |
| Fine tuning of digital hearing aids – For individuals with hearing impair-ment | Dr. K.J. Ramadevi, Mr. Prashanth Prabhu P | Digital hearing aids – Care maintenance, advantages, disadvantages, use in different situations, trouble shooting & recent advances in hearing aid technology | Digital hearing aid users | 21 | 22.06.12 |
| Ear impression technique | Ms. Devi N, Mr. Chethan C | To educate and train teachers from special schools to take ear impre-ssion and mail to ‘Central Prosthetic Lab’ at AIISH, Mysore | Special school teachers from Karnataka | 16 | 02-03.08.12 |
| Workshop on AVT | Dr. Asha Yathiraj,  Ms. Revathi KR,  Ms. Dhana lakshmi T | Overview on AVT and listening strategies for young children with HI | I M.Sc. and III B.Sc students | 65 | 13.08.12fn |
| Workshop on AVT | Dr. Asha Yathiraj,  Ms. Revathi KR,  Ms. Dhana lakshmi T | Developing listening skills in children with hearing impairment | Parents of children with HI | 57 | 13.08.12an |
| Workshop on Recent advances in auditory technology | Dr. Animesh Barman, Mr. Sujeet Kumar Sinha, Ms. Chandni Jain | To update the knowledge of speech & hearing professionals on recent advances in hearing devices, signal coding and signal processing | Speech and hearing professionals | 91 (46 external and 45 inter & intra dept partici-pants | 10-12.09.12 |
| Workshop on Techniques in audiological management of auditory processing disorder | Dr. Asha Yathiraj, Ms. Revathi K.R, Ms. T. Dhana-lakshmi | To update the techniques in audiological management of auditory processing disorders | Practicing speech & hearing professionals and II M.Sc (Audiology) students | 64 (Out of 64, 26 outsiders) | 06.02.13 |
| Seminar on Cortical Auditory Evoked Potentials and its applications. | Dr. K. Raja lakshmi Mr. M K Ganapathy Mr. N Hemanth | To update on the theoretical and practical innovations on recording parameters of CAEPs and its utility on auditory assessment and rehabilitation. | Speech and Hearing professionals | 95 (25 outstation students, 20 profe-ssionals, 36 II M.Sc students, 10 resource persons & 4 staff of AIISH ) | 4-5.03.13 |
| Introductory workshop for cochlear implant for audiologists | Dr. Asha Yathiraj | Introduction on pre-implant counseling, mapping, NRT, care, maintenance and trouble-shooting of CI devices and mapping software | Audiologists | Exam. Hall, Academics | 18-22.03.13 |

1. **Attended:**

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| **Name** | **Title of the program** | **Objectives** | **Venue** | **Date** |
| Ms. Mamatha N.M Mr. Arunraj K Mr. Akshay Raj Maggu | NHS 2012 Beyond New Born Hearing Screening: Infant and Childhood Hearing in Science and Clinical Practice | Early intervene-tion program for infant hearing disorders and new born and infant screening | Villa Erba Congress Centre, Cernobbio, Italy | 05-07.06.12 |
| Dr. K. Rajalakshmi  Ms. Devi N  Ms. Mamatha N.M  Mr. Kishore Tanniru | Application specific training on MATLAB, SIMULINK | To update the current technology of MATLAB | Seminar Hall, AIISH | 17-19.07.12 |
| Mr. Arunraj K | Basic of photography | To acquire the knowledge of photography | Department of Material Development | 21.07.12 an |
| Mr. Ranjeet Ranjan | Conference on Deafness 2012, Singapore | To present scientific paper | 11th Asia Pacific Congress on Deafness, Singapore | 26-28.07.12 |
| Dr. Asha Yathiraj Dr. Manjula P | Advanced Technology workshop for CI Audiologists | To update the knowledge on recent advances in CI techno-logy & hands-on training on CI programming | AYJNIHH, Mumbai | 03-05.08.12 |
| Mr. Jithin B Raj | Workshop on AVT | Developing listening skills in children with hearing impairment | Seminar hall, Academics | 13.08.12an |
| Mr. Sharath Kumar K.S. Mr. Prashanth Prabhu P | National Seminar on Recent Advances in Auditory Technology | Strategies for various audiological assessment and management of hearing loss | Department of Audiology, AIISH, Mysore | 10-12.09.12 |
| Dr. Manjula P | Comprehensive planning of human resource development in ear and hearing care | To meet the goals of sound hearing 2030 and general body meeting | Colombo, Srilanka | 12.09.12 |
| Ms. Devi N Mr. Arunraj K | Workshop on Pamphlet designing | To teach various design techniques to create pamphlets | Dept. of DMD  AIISH, Mysore | 13.09.12 |
| Dr. Ajith Kumar U | Seminar on Electrophysio-logical tests | To train bachelors and masters students on electro-physiological tests | Samvaad Institute of Speech and Hearing, Bangalore | 21.09.12 |
| Mr. Hemanth N | Seminar on Electrophysio-logical tests | Selection, verification and validation of hearing aid fitting through electrophysio-logical tests | Samvaad Institute of Speech and Hearing, Bangalore | 22.09.12 |
| Dr. Asha Yathiraj | Sri Ramachandra SH Allumni Association, Chennai, TN | To update the advancements in the field of speech and hearing | SRMC, Chennai, TN | 05.10.12 |
| Mr. Sreeraj, K Mr. Sujeet Kumar Sinha, | 5th ISHACON 2012 | To update knowledge on recent advances in the field of speech and hearing | Kerala | 05-06.10.12 |
| Dr. Rajalakshmi K | Workshop on Hindi Vigyan Yojan | Official language Hindi implementation | AIISH, Mysore | 29.10.12 |
| Ms. Mamatha N.M, Mr. Prashanth Prabhu P | Phase II-Workshop on translation of public education materials | To modify the already developed PEPs in Kannada related to various issues of prevention and identification of communication disorders | POCD Department | 30.10.12 |
| Ms. Chandni Jain | Orientation of official Language Implementation | Program on science administration and research management | Academics, Seminar Hall | 30.10.12 |
| Ms. T Dhanalakshmi, Mr. Jithin Raj B | Yoga and music therapy for management of autism spectrum disorders | Practical demonstration n, use of yoga and music for therapy for management of autism spectrum disorders | Academics, Seminar Hall | 31.10.12 |
| Dr. Asha Yathiraj | CIGICON 2012 | To disseminate information on advancements in implantable devices | Ahmedabad | 23-24.11.12 |
| Dr. Sandeep M Ms. Geeteha C  Ms. Revathi K.R | National workshop on management of feeding skills in children with developmental disorders | Understanding of typical and atypical develop –ment of oro-motor skills, mechanism of swallowing difficulties and treatment options | Seminar Hall, Academics (Organized by SLP) | 17-18.12.13  17.12.12 |
| Mr. Niraj Kumar Singh  Ms. Chandni Jain | Third Hindi workshop | To update the writing skill in Hindi | Seminar Hall, Academics Organized by OLI | 10-11.01.13 |
| Mr. Kishore Tanniru  Mr. Jawahar Antony P | Biometric impression training | To monitor the students attendance | Room No.2 | 17.01.13 |
| Dr. Manjula P, Dr. Vijayakumar Narne, Mr. Niraj Kumar Singh, Mr. Prawin Kumar | 45th ISHACON Continuing education program | To update recent advancement in AEP | 45th ISHACON | 31.01.13 |
| Dr. Asha Yathiraj | 45th ISCHACON | Scientific paper presentation | 45th ISHACON, Chennai, TN | 01-03-02.13 |
| Dr. Manjula P  Dr. Vijayakumar Narne, Mr. Niraj Kumar Singh  Mr. Prawin Kumar | 45th ISHACON Continuing education program | Frequency analyzers of ERPs | 45th ISHACON, Chennai, TN | 31.01.13 |
| Dr. Manjula P | 45th ISHACON Continuing education program | Early intervention of developmental disabilities | VIT, Chennai, TN | 31.01.13 |
| Mr. Niraj Kumar Singh, Mr. Prawin Kumar Mr. Saravanan P, Mr. Kruthika, Mr. G. Nike Gnanateja | 45th ISCHACON | Scientific paper presentation | Chennai | 01-03-02.13 |
| Dr. Asha Yathiraj, Dr. Manjula P, Mr. Prawin Kumar, Mr. Niraj Kumar Singh, Mr. Saravanan P, Ms. Kruthika, Mr. G. Nike Gnanateja | 45th ISHACON | Scientific paper presentation | Chennai | 01–03.02.13 |
| Dr. Animesh Barman Mr. Prawin Kumar, Ms. Chandni Jain, Ms. Megha | Workshop on Techniques in audiological management of APD | To update the techniques in audiological management of APD | Seminar Hall, Academics | 06.02.13 |
| Ms. Chandni Jain,  Ms. S. Jyothi | National Seminar on Tele assessment & intervention for persons with communication disorders | Ways to improve tele-assessment rehabilitation program | Seminar Hall, Academics, organized by Dept of Speech Pathology | 21-22.02.13 |
| Dr. K. Rajalakshmi | Cross-cultural communication: Exploring cross-cultural differences & similarities in attitudes towards hearing help seeking &uptake of hearing aids | To explore possible areas for cross-cultural research | Centre for Hearing and balance studies at Bristol University, UK | 22-23.02.13 |
| Dr. Animesh Barman Ms. Mamatha N.M | Workshop on Cortical auditory evoked potentials and its application | To update the knowledge of CAEP and its applications | Seminar hall, Academics | 04-05.03.13 |
| Dr. Manjula P | National conference on Early intervene-tion of develop-mental disabilities | Early intervene-tion of develop-mental disabilities | NIMH, Secunderabad | 07-08.03.13 |
| Dr. Ajith Kumar U | National workshop on speech synthesis | Practical train -ing on articula -tory synthesis, analysis by synthesis & para -meter synthesis | Seminar Hall, Academics, organized by Dept of SLS | 14-15.03.13 |
| Dr. Asha Yathiraj  Dr. Manjula P  Dr. Animesh Barman  Dr. Ajith Kumar U  Mr. Prashanth Prabhu P  Mr. Arunraj K | ISO 9001: 2008 awareness/training programme | Providing information and overview about ISO 9001-2008.  Training to improve the activities of the institute for getting ISO certification | Exam.Hall, Academics Section | 18-19-03-13 |
| Ms. Geetha C  Ms. Megha  Mr. Jawahar Antony P | Introductory workshop for cochlear implant for audiologists | Introduction on pre-implant counseling, mapping, NRT, care, maintenance and trouble-shooting of CI devices and mapping software | Seminar Hall, Academics Section | 18-22.03.13 |

1. **Guest Lectures**
2. Lectures given by outsiders

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| **Name, designation and institutional affiliation of Lecturer** | **Topic of lecture** | **Date** |
| Dr. S.R. Savithri, Director, AIISH, Mysore | Research design and methodology | 26.07.12 |
| Mrs. Hansa Save, Cochlear Team, Australia | Hands on training on Resent advances on cochlear implant and signal processing | 06.08.12fn |
| Dr. Brett Swanson, Cochlear Technology, Australia | Signal processing in CI | 06.08.12an |
| Mrs. Hansa Save, Cochlear Team, Australia | Orientation for parents on trouble shooting of cochlear implant | 07.08.12fn |
| Ms. Jaspal Choudhry, M/s. Cochlear Inc. Mumbai  Lectures were translated by  Ms. Revathi K.R | Overview to AVT and listening strategies for developing listening skills in young children with hearing impairment | 13.08.12 |
| Mr. Manoj, Technical Head, HAC Acoiustic Technologies, Chennai, TN | Hands on training on Hansaton hearing aids | 04.10.12 |
| Dr. Ayasakantha Rout, Associate Prof. and Director of Audiology, James Madison University, USA & Alumni of AIISH | Advanced signal processing features in hearing aids: Why some do not work as well as others? | 10.12.12 |
| Ms. Savitha Kamath | Vestibular system assessment and management | 21.12.12 (staff only) |
| Mr. Anandram, G.H, AIISH, Mysore | Benefits and facilities for Central Government employees | 31.01.13 |
| Dr. Sushma Appaiah | Food – what to have? How to have? (for the inmates of the ladies hostel) | 28.01.13 |

1. Lectures given by the staff of the department

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| **Name, designation and institutional affiliation of Lecturer** | **Title of the program** | **Topic of lecture** | **Date** |
| Ms. Mamatha N.M,  Mr. Jawahar Antony P | Refresher course on AEP, held at AIISH, organized by Aud. Dept. | Auditory brainstem response | 09-10.04.12 |
| Mr. Prawin Kumar,  Mr. Prashanth Prabhu P | CHAMP stacked ABR and BIOMARK | 11.04.12 |
| Mr. Sujith Kr Sinha,  Mr. Sharath Kr K.S | Electrocochleography (ECochG) | 12.04.12 |
| Dr. Vijayakumar Narne,  Mr. Prashanth Prabhu P | ASSR | 13 & 16.04.12 |
| Dr. Sandeep M,  Ms. Megha,  Mr. Arunraj K,  Mr. Ganapathy MK | Auditory Late latency Response, MMN, P300, Acoustic chain complex | 17-18.04.12 |
| Mr. Niraj Kr Singh,  Mr. Jithin Raj B | vestibular evoked myogenic potential (VEMP) | 19.04.12 |
| Mr. Niraj Kr Singh,  Mr. Jawahar Antony P | Post auricular muscle response | 20.04.12 |
| Dr. K.J. Ramadevi | Fine tuning of digital hearing aids – For individuals with hearing impairment | Recent advances in hearing aid technology | 22.06.12 |
| Mr. Prashanth Prabhu P | Use, care & trouble shoot-ing of digital hearing aids | 22.06.12 |
| Mr. Kishore Tanniru | In-house training program on Cortical Auditory Evoked Potentials | Overview of cortical auditory evoked potentials & their clinical applications | 13.07.12 |
| Mr. Ganapathy M | Selection of protocol for ALLR and ACC | 13.07.12 |
| Mr. Hemanth N | Recording of ALLR using standard protocol in indivi duals with normal hearing | 13.07.12 |
| Mr. Hemanth N, Mr. Kishore Tanniru | Recording of ALLR using customized protocol in indi -viduals with normal hear-ing /cochlear hearing loss | 13.07.12 |
| Mr. Ganapathy M K | Recording of ACC in individuals with normal hearing | 13.07.12 |
| Dr. Sandeep M | Overview of event related potentials and selection of protocol for P300 & MMN. | 14.07.12 |
| Dr. Sandeep M | Recording of P300/MMN in subjects with normal hearing | 14.07.12 |
| Dr. Vijayakumar Narne | Recording of N400/P600 in subjects with normal hearing | 14.07.12 |
| Dr. Vijayakumar Narne | Response analysis using Neuro-scan instrument | 14.07.12 |
| Dr. Animesh Barman | Orienting students about Code of conduct of the institute | Code of conduct for the students | 16, 26, 27, & 30.07.12 |
| Ms. Geetha C | Hostel related issues | 16.07.12  30.07.12 |
| Dr. Sandeep M | Orienting PG students about course structure and assessment system | CBCS systems | 30.07.12 |
| Ms. N. Devi | Ear impression technique | Introduction on ear moulds, materials used in ear mould making and different styles of ear moulds | 2&3.08.12 |
| Mr. Vivek A | Ear impression technique | Ear examination and impression technique; different techniques of impression taking and ear mould making using hard and soft materials, steps to preserve impression; maintenance of records and precautions for mailing impressions | 2&3.08.12 |
| Mr. Jayaram M.T. | Practical training on different techniques of impression taking. | 2&3.08.12 |
| Mr. Kumarasamy G.K | Maintenance of records and precautions for mailing impressions | 2&3.08.12 |
| Mr. Chethan C | Practical training on different techniques of impression taking, ear mould making with hard materials and steps to preserve ear impression. | 2&3.08.12 |
| Mr. Sudarshan B | Impression taking methods and ear mould making with soft material. | 2&3.08.12 |
| Dr. Asha Yathiraj | Workshop on AVT | Prerequisite for selection of clients for AVT | 13.08.12fn |
| Dr. Sandeep M | National Seminar on Recent Advances in Auditory Technology | Recent technological advances and analysis methods to record AEPs | 10.09.12 |
| Dr. Vijayakumar Narne | Instrumentation of noise measurement | 10.09.12 |
| Dr. Ajith Kumar U | Recent advances in hearing aid technologies to enhance signal processing (analog vs. digital; single vs. multiple channel hearing aids) | 11.09.12 |
| Ms. Geetha C | Electro-acoustic measure -ments in hearing aids | 11.09.12 |
| Mr. Sujeet Kumar Sinha | Objective tests used for hearing aid selection (Immittance, Insertion gain, AEP, ASSR etc). | 11.09.12 |
| Dr. Ramadevi K.J | Practical demonstration of use of prescriptive methods for hearing aid selection | 11.09.12 |
| Mr. Darga Baba Fakruddin | Practical demonstration of programming and verification of hearing aid fitting. | 11.09.12 |
| Prof. Asha Yathiraj | Recent advances in signal enhancing strategies in cochlear implant (No. of channels, electrode array etc). | 12.09.12 |
| Ms. Mamatha N.M | Use of auditory evoked potentials in fitting cochlear implants | 12.09.12 |
| Ms. Roshni Pillai | Trouble shooting of CI | 12.09.12 |
| Ms. Megha | An overview of cochlear implant mapping | 12.09.12 |
| Mr. Ganapathy MK | Middle ear implants | 12.09.12 |
| Dr. Manjula P | Symposium on comprehensive planning of human resource develop- ment in ear and hearing care to meet the goals of sound hearing 2030 at Srilanka | Activities of the institute and international cooperation | 12.09.12 |
| Dr. Ajith Kumar U | Seminar on Electro- physiological tests at Samvaad Institute of Speech and Hearing, Bangalore | Electrophysiological tests and its clinical applications (ABR, MLR and LLR) | 21.09.12 |
| Mr. Hemanth N | Seminar on Electrophysiological tests at Samvaad Institute of Speech and Hearing, Bangalore | Electrophysiological tests in selection and verification of hearing aids | 22.09.12 |
| Ms. N.M Mamatha | Class lecture given to II M.Sc.(Audiology), AIISH, Mysore | Use of auditory evoked potentials in fitting cochlear implants | 28.09.12 |
| Dr. Asha Yathiraj | Sri Ramachandra SH Allumni Association, Chennai, TN | 1. Over on evaluation and management of APD 2. Setting of a clinic for APD | 05.10.12 |
| Mr. Sujeet Kumar Sinha | 5th ISHACON | Overview and assessment of balance function | 05.10.12 |
| Mr. Sreeraj K | 5th ISHACON | Tinnitus – Overview and assessment and management | 06.10.12 |
| Dr. Animesh Barman | 33rd Annual Conference of IABMS, NITTE, Mangalore | VEMP and its importance in the assessment and diagnosis of vestibular disorders | 01.11.12 |
| Mr. Sujeet Kumar Sinha | 33rd Annual Conference of IABMS, NITTE, Mangalore | Vestibular function and assessment of vestibular disorders: ENG and VENG and its importance in the assessment and diagnosis of vestibular disorders | 01.11.12 |
| Dr. Asha Yathiraj | CIGICON 2012, Ahmedabad | Poster Session: Pre-processing strategies and speech perception in cochlear implant users. | 24.11.12 |
| Dr. Asha Yathiraj | CIGICON 2012, Ahmedabad | Oral Session titled: Relationship between T/C and ESRT levels in cochlear implant users. | 24.11.12 |
| Dr. Vijayakumar Narne | CEP of 43rd ISHACON, Chennai | Frequency analyzers of ERPs | 31.01.13 |
| Mr. Sujeet Kumar Sinha | Workshop on Cortical auditory evoked potentials and its applications | Coding of complex acoustic stimuli at central auditory system | 04.03.13 |
| Mr. Kishore Tanniru | An overview of cortical auditory evoked potentials | 04.03.13 |
| Mr. Hemanth N |  | Late latency response and its application | 04.03.13 |
| Mr. Ganapathy M.K |  | Electrophysiological approach to measure coding of acoustic change at auditory cortex and its application | 04.03.13 |
| Mr. Niraj Kumar Singh |  | Auditory evoked potential to measure pre-attentive auditory discrimination | 04.03.13 |
| Mr. Jijo P.M Mr. Hemanth N |  | Practical demonstration of late latency responses and acoustic change complex | 04.03.13 |
| Mr. Mohan Kumar K |  | P300 and its application | 05.03.13 |
| Mr. Hariprakash |  | Auditory evoked potential to assess semantic processing | 05.03.13 |
| Mr. G Nike Gnanateja |  | Auditory evoked potential to assess processing syntax | 05.03.13 |
| Dr. Vijayakumar Narne |  | Spectro-temporal analysis of cortical auditory evoked potentials | 05.03.13 |
| Mr. G. Nike Gnanateja Mr. Hemanth N |  | Practical demonstration of MMN and P300 | 05.03.13 |
| Mr. G. Nike Gnanateja |  | Practical demonstration of N400 and P600 | 05.03.13 |
| Dr. Manjula P | Introductory workshop for CI audiologists | Neural response telemetry | 19.03.13 |
| Dr. Asha Yathiraj | Introductory workshop for CI audiologists | Measured outcome and speech perception | 21.03.13 |

1. **Additional Academic Services by the Faculty and Staff**
2. Invited Talks
3. Curriculum Development
4. CBCS for M.Sc. (Audiology) syllabus was prepared.
5. PGDNA course content was modified.
6. B.Sc. Audiology syllabus was modified.
7. Development of materials to support learning:
8. Manual on Taking Ear Impression (English). Handbook prepared by Vivek, A., scrutinized by Dr. Manjula P.
9. Service in Academic bodies of other organizations

**Dr. Asha Yathiraj**

* Chairperson, Member, BOE (Sp & Hg)
* Member, BOE (Speech & Hearing)
* Chairperson, BOE (Special Education)
* Member, BOE (Special Education)
* Member, Ph.D. Course Working Committee.
* Ph.D. review work committee member
* Examiner UOM
* Reviewer ARF project

**Dr. Manjula P**

* Chairperson-Internship committee.
* Member, BOE University of Mysore, and Bangalore University
* Class mentor for the academic year 2012-13 for III B.Sc. (Sp & Hg) ‘B’ Section.
* Member, Ph.D. Course Working Committee.
* Ph.D. review work committee member
* Examiner UOM
* Reviewer ARF project

**Dr. Rajalakshmi K**

* Member, BOE, Bangalore University
* Member BOE MAHE.
* Class mentor for the academic year 2012-13 for I M.Sc. (Aud) ‘A’ Section.
* Member, Ph.D. Course Working Committee, UOM.
* PhD. Review work committee member, UOM
* Examiner for UG and PG. UOM

**Dr. Animesh Barman**

* Member, BOE, University of Bangalore.
* Member, Board of Examiners of Bangalore University for BASLP course for the year 2012-13.
* Class mentor for I B.Sc. (Sp & Hg) ‘B’ Section for the year 2012-13.
* Chairperson, Committee to propose modifications in M.Sc. (Aud) syllabus based on CBCS regulations.
* Member, Ph.D. Course Working Committee.
* Ph.D. review work committee member
* Examiner UOM, Mysore, Kerala University of Health Sciences, West Bengal University of Health Sciences.
* Reviewer ARF project

**Dr. Ajith Kumar U**

* Member, BOE, University of Mysore
* Member BOS - Calicut University.
* Class mentor for the academic year 2012-13 for the I M.Sc. (Audiology) ‘B’ Section.
* Member, Committee to propose modifications in M.Sc. (Aud) syllabus based on CBCS regulations.
* Member, Ph.D. Course Working Committee.
* Ph.D. review work committee member
* Examiner UOM
* Reviewer ARF project

**Ms. Devi N**

* Examiner UOM

**Dr. Sandeep M**

* Coordinator of CBCS for M.Sc (Aud) course for the academic year 2012-13
* Member, Committee to propose modifications in M.Sc.(Aud) syllabus based on “CBCS regulations.
* In charge for compilation of dissertation based article for 2012-13.
* Member, Ph.D. Course Working Committee.
* Ph.D. review work committee member
* Examiner UOM, Kerala University of Health Sciences.

**Dr. Vijayakumar Narne**

* Member, Committee to propose modifications in M.Sc.(Aud) syllabus based on CBCS regulations.
* Class co-mentor for the academic year 2012-13 for the I B.Sc. ‘A’ Section.
* Ph.D. review work committee member
* Examiner UOM

**Ms. Geetha C**

* Examiner UOM

**Mr. Niraj Kumar Singh**

* Class mentor for the academic year 2012-13 for the II M.Sc. (Aud) ‘A’ Section.
* Member, Committee to propose modifications in M.Sc. (Aud) syllabus based on CBCS regulations.
* Examiner UOM

**Mr. Sujeet Kumar Sinha**

* Class co-mentor for I B.Sc. ‘B’ Section for the academic year 2012-13.

**Mr. Prawin Kumar**

* Class mentor for II M.Sc.(Audiology) ‘B’ Section for the academic year 2012-13
* Examiner UOM

**Ms. Chandni Jain**

* Class co-mentor for the academic year 2012-13 for the III B.Sc (Speech & Hearing) ‘B’ Section.
* Examiner UOM

**Mr. Prashanth Prabhu P**

* Member, Internship Coordination Committee during the year 2012-13

**Mr. G. Nike Gnanateja**

* Assisted in compilation of dissertation based article for 2012-13

**Ms. Rajalakshmi R**

* Assisted in compilation of dissertation based article for 2012-13

1. Membership in professional organizations
2. Indian Speech and Hearing Association
3. Rehabilitation Council of India

|  |  |  |
| --- | --- | --- |
|  | ISHA Life Membership | RCI Registration |
| Dr. Asha Yathiraj | 🗸 | 🗸 |
| Dr. Manjula P | 🗸 | 🗸 |
| Dr. Rajalakshmi K | 🗸 | 🗸 |
| Dr. Animesh Barman | 🗸 | 🗸 |
| Dr. Ajith Kumar U | 🗸 | 🗸 |
| Ms. Devi N | 🗸 | 🗸 |
| Ms. Mamatha N.M | 🗸 | 🗸 |
| Dr. Sandeep M | 🗸 | 🗸 |
| Ms. Geetha C | 🗸 | 🗸 |
| Mr. Prawin Kumar | 🗸 | 🗸 |
| Mr. Sreeraj K | 🗸 | 🗸 |
| Dr. Vijayakumar Narne | - | 🗸 |
| Mr. Sujith Kumar Sinha | 🗸 | 🗸 |
| Mr. Niraj Kumar Singh | 🗸 | 🗸 |
| Ms. Chandi Jain | 🗸 | 🗸 |
| Mr. Kishore Tanniru | 🗸 | - |
| Mr. Hemanth N | 🗸 | 🗸 |
| Mr. Ganapathy M.K | 🗸 | 🗸 |
| Mr. Jijo P.M | 🗸 | 🗸 |
| Dr. Ramadevi K.J | 🗸 | 🗸 |
| Mr. Darga Baba Fakruddin | 🗸 | 🗸 |
| Ms. Revathi K.R | 🗸 | 🗸 |
| Mr. Sharath Kumar K.S | 🗸 | 🗸 |
| Mr. Jithin Raj B | 🗸 | - |
| Ms. Dhanalakshmi T | 🗸 | 🗸 |
| Mr. Jawahar Antony P | 🗸 | - |
| Ms. Megha | 🗸 | 🗸 |
| Mr. Prashanth Prabhu P | 🗸 | 🗸 |
| Ms. Jyothi S | 🗸 | 🗸 |
| Mr. Vivek A | Registered under Dental  Council of India | - |
| Mr. Chethan C | - | 🗸 |

1. Participation in Committees/ Taskforces and Panels set-up by other organizations/agencies.

**Dr. Asha Yathiraj**

* Chairperson, Anti-ragging squad.
* Chairperson, Dr. Vijayalakshmi Basavaraj Charitable Society
* Chairperson, Committee constituted for eligibility of hearing aid dispensing in developed, developing and underdeveloped countries.
* Member, ARF review committee

**Dr. Rajalakshmi K**

* Member, Sexual harassment committee

**Dr. Manjula P**

* Member, Committee constituted for eligibility of hearing aid dispensing in developed, developing and underdeveloped countries.

**Dr. Animesh Barman**

* Member, Committee for computerization for AIISH activities
* Member, Building and Works committee
* Member, Patient Welfare Fund committee
* Member, Anti ragging committee.
* Member, Steering committee for the self-study report for NAAC.
* Member, NPPCD constituted by the Ministry of Health and Family Welfare to discuss issued related to hearing aid
* Chairperson for the committee to auction dry wood.
* Member, Committee constituted for eligibility of hearing aid dispensing in developed, developing and underdeveloped countries.

**Dr. Ajith Kumar U**

* Member, Steering committee for the self-study report for NAAC.
* Member, Committee constituted for eligibility of hearing aid dispensing in developed, developing and underdeveloped countries.

**Ms. Geetha C**

* Member, Anti ragging squad.
* Member, Hostel committee.

**vii) Any Other**

**Dr. Asha Yathiraj**

* HOD-Material Development Department
* Chairperson, LTU
* In charge for Cochlear Implantable Device Unit

**Dr. Manjula P**

* HOD – Prevention of Communication Disorders
* In charge of Hearing aid dispensing unit
* Overall coordinator, NPPCD
* Vice-President, AIISH Gymkhana
* Overall in-charge – HAT Section

**Dr. Rajalakshmi K**

* DHLS Coordinator, Jabalpur Centre
* In charge to provide information for AIISH website

**Dr. Animesh Barman**

* HOD-Audiology
* Coordinator, DHLS Cuttack Centre
* Coordinator, New born screening centre, Cuttack

**Dr. Ajith Kumar U**

* Coordinator, NPPCD
* Supervisor of NPPCD activities, Uttara Kannada Dist.
* In charge, AIISH Guest House
* Liason Officer wef January 2012
* Overall In charge of Hearing Evaluation Section

**Ms. Devi N**

* Member, Committee for new born screening, Cuttack DHLS centre
* Supervisor NPPCD activities, Chamarajanagar dist.
* In charge of Ear Mould Section

**Ms. Mamatha N.M**

* Supervisor of NPPCD activities, Chickamagalore
* Overall In charge for Development and Translation of PEPs.
* Overall In charge for outside students / Allied students postings.

**Dr. Sandeep M**

* Coordinator, Lucknow DHLS centre
* Member, Library Committee
* In charge Electrophysiological lab
* Member, Special Clinic for Motor Speech Disorder Unit
* Member, Departmental Canteen Committee
* EC member and Staff Sports Secretary, AIISH Gymkhana.
* In charge of equipments, Hearing Evaluation section

**Ms. Geetha C**

* Supervisor of NPPCD activities, Hassan
* Warden Ladies Hostel, AIISH
* In charge of equipment, HAT Section.

**Mr. Prawin Kumar**

* In charge of Ashoka International Guest House
* Supervisor of NPPCD activities, Chikkaballapur Dist
* Coordinator, Shimla DHLS centre
* In charge of Short-term training programme

**Mr. Sreeraj K**

* Supervisor of NPPCD activities, Bagalkote Dist.
* NSS Program Officer
* In charge for Student’s roster.

**Dr. Vijayakumar Narne**

* Supervisor of NPPCD activities, Gadag Dist
* In charge of Development of teaching materials.

**Mr. Sujeet Kumar Sinha**

* Member Secretary, Vertigo Clinic, AIISH
* Member, Public Grievance cell
* Member, Clinic for Adult and Elderly Persons with Language Disorders (CAEPLD).
* To assist Vice-President Gymkhana for AIISH Annual day function.
* In charge for printing materials required for the department.

**Mr. Niraj Kumar Singh**

* Member, Vertigo Clinic, AIISH
* Supervisor of NPPCD activities, Udupi dist.
* In charge for case correspondence.
* Nodal Officer, Official Language Implementation

**Ms. Chandni Jain**

* Member of the committee look into issues of clinical services
* Member, Committee of LTU
* Member, LD unit
* Supervisor of NPPCD activities, Mandya
* In charge to answer Parliamentary questions.

**Mr. Kishore Tanniru**

* In charge to compile students attendance

**Dr. Ramadevi K.J**

* Monthly report and Annual report
* Incharge-Case correspondence
* Incharge – Translation of Kannada PEPs

**Ms. Revathi K.R**

* Member, Committee for new born screening at Ajmer DHLS centre
* Member of the committee to look into issues of clinical services
* Member-secretary, Committee of LTU

**Mr. Sharath Kumar K.S**

* Supervisor of NPPCD activities, Chitradurga Dist.

**Ms. Sreela K**

* Assistant warden for ladies hostel.

**II. RESEARCH Activities**

1. **Research Projects**

i) **Completed Research Projects**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Title** | **Objectives** | **Investigators** | **Funding source** | **Grant amount** |
| 01 | 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, Ms. C. Geetha | AIISH | `3,11,000 |
| 02 | Comparison of temporal resolution abilities and speech perception in noise in children born in families with and without musical background | To compare temporal resolution & speech perception abilities in children born in families with & without musical background | Dr. K Rajalakshmi | AIISH | INR3,16,000 |
| 03 | Cortical potential as a measure of auditory temporal processes | Study the relation between cortical potentials, gap detection and speech perception scores in individuals with AN, CHL and normally hearing listeners,  Investigate how the performance differs across groups, To compare the CAEPs elicited by tone burst and speech stimuli across the groups | PI: Vijayakumar Narne  CI: Dr. Animesh Barman  Mr. Sujeet Kumar Sinha | AIISH | INR3,26,000 |
| 04 | Critical band based frequency compression and speech perception in noise in individuals with cochlear hearing loss | To measure the DL for F0 (F0DL), concurrent vowel identification ability in cochlear hearing loss individuals with CBBF compression, to investigate the SNR-50 with various compression factors & to find correlation | Dr. Ajith Kumar U, Mr. Arivudai Nambi | AIISH | `3,26,000 |
| 05 | Development of a screening test for APD | To develop a screening test for detection of CAPD & to compare it with a existing screening checklist and to check the sensitivity of the developed tests. | Dr. Asha Yathiraj | AIISH | `3,21,000 |
| 06 | Development of sentence lists in Kannada for adults | To develop the sentence lists in Kannada for adults, standardize the sentence lists, investigate the test scores across clinical population | Ms. Geetha C, Mr. Sharath Kumar K.S | AIISH | `3,16,000 |
| 07 | Maturation of auditory processes in children aged 6-11 years | To develop age appropriate norms on children for a battery of tests to identify (C)APD in a group of typically developing children at 2 centres | Dr. Asha Yathiraj Dr C.S. Vanaja | AIISH | `3,96,000 |
| 08 | Pre-arithmetic school readiness test for children with hearing impairment | To develop a test for assessing the readiness of children with hearing impairment in pre-arithmetic skills and to assess the utility of the developed tests. | Dr. Asha Yathiraj  Dr. I.P. Gowramma Dr. G.Malar, Ms.Prithi Nair and Ms. P. Vijetha | AIISH | `2,20,000 |
| 09 | Pre-processing strategies & speech perception in cochlear implant user | To investigate whether noise reduc- tion algorithms (NRA) benefit speech perception in indivi-duals with CI, to compare various NRA in 3 different S/N ratios, to suggest fitting guidelines for use of various NRA in children. | Dr. Asha Yathiraj | AIISH | INR 3,21,000 |
| 10 | Protocol for vestibular assess-ment & its efficacy in differential diagnosis of balance disorders | To develop a protocol for differential diagnosis of balance disorders.  To assess the efficacy of the developed protocol in differential diagnosis of the pathologies related to giddiness. | PI: Mr. Niraj Kumar Singh; CI: Mr. Sujeet Kumar Sinha & Dr. G Rajeshwari | AIISH | INR3,26,000 |
| 11 | Quantification of the effects of noise on speech recognition | To compare the SNR-50 among individuals with normal hearing, conductive and SN hearing loss, with different degrees of hearing loss in unaided and aided conditions, with and without noise reduction. | Prof. Manjula P Ms. Megha | AIISH | `2,96,000 |
| 12 | Servicing and repair of hearing aids: A profile | To explore problems encountered by hearing aid users, to quantify the problems faced by them when there hearing aids are given for repair, to take steps for prevent -ing such problems. | Dr. P. Manjula Ms. N. Devi, Dr. Ramadevi K.J., & Ms. Kalai Selvi | AIISH | `3,13,000 |

ii) **ARF Research Projects sanctioned during 2012-13**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Title** | **Objectives** | **Investigators** | **Fund** |
| 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 | INR 3,06,000 |
| 02 | 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-cogni-tive  training material on auditory skills | PI: Dr. Ajith Kumar U  CI: Sandeep M | INR 5,00,000 |
| 03 | 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 | INR 2,15,000 |
| 04 | 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 | INR 5,92,000 |
| 05 | 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 | INR 3,11,000 |
| 06 | Effect of auditory cognitive training on some auditory and speech perception skills in individuals with sensori-neural hearing loss  (**Extramural project**) | To establish the relationship 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  CI: Sandeep M | `18,33,600 |
| 07 | 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 | INR 3,31,000 |
| 08 | Hearing in musicians | To prepare audio- logical profile for vocal & instrumental musicians | Dr. Rajalakshmi K | INR 3,31,000 |
| 09 | Profiling anxiety-depressive and personality correlates of individuals with tinnitus | Psychological profile of tinnitus indivi- duals, co-relating psychological profile with audiological profile. | PI: Dr. Ajith Kumar U | INR 3,71,000 |
| 10 | 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 | INR 3,36,000 |
| 11 | Sentence lists in Malayalam and in Telugu | To develop sentences in Malayalam and in Telugu, to standardize the developed sentences, to investigate across clinical population0 | PI: Mr. Sreeraj K  Mr. Kishore Tanniru  CI: Dr. Vijayakumar Narne  Mr. Niraj Kumar Singh  Ms. Chandni Jain  Dr. Ramadevi Sreenivas K.J | INR 6,02,000 |

v) Ongoing Research Projects: Nil

1. **Doctoral and Post Doctoral Programs**
2. **Degree Awarded - Nil** NIL
3. **Thesis Submitted** Nil
4. **Under Progress**

|  |  |  |
| --- | --- | --- |
| **Name** | **Topic** | **Guide** |
| Devi N | Auditory evoked potential correlation of speech and music in musicians and non-musicians | Dr. Ajith Kumar U |
| Sujeet Kumar Sinha | Brainstem encoding of speech sounds in the aging auditory system - An electrophysiological study | Dr. Animesh Barman |
| Geetha C | Optimization of compression parameters in hearing aids using aided audibility index | Dr. Manjula P |
| Sharath Kumar K.S. | Effect of noise reduction algorithms (NRA) in hearing aids on acoustic and perceptual measures | Dr. Manjula P |
| M.K. Ganapathy | Effect of age and noise on acoustic change complex – An electrophysiological study | Dr. Manjula P |
| P.M. Jijo | The effect of enhancement of amplitude and durational cues on speech perception in individuals with auditory neuropathy spectrum disorders | Dr. Asha Yathiraj |
| Roshni Pillai | Auditory, visual and auditory-visual processing in children with learning disability | Dr. Asha Yathiraj |
| N. Hemanth | The effect of amplification on objective measure at brainstem and cortical level & behavioural measure in individuals with peripheral hearing impairment | Dr. Manjula P |
| M.P. Reuben Jebaraj | Influence of hearing aid fitting strategies on speech recognition in individuals with sloping hearing loss | Dr. Manjula P |
| Ms. Chandni Jain | Psychophysical abilities and working memory in individuals with normal hearing sensitivity across different age groups. | Dr. Ajith Kumar U |
| Mr. Sreeraj K | Audiological profile and management of tinnitus in individuals with normal hearing | Dr. Manjula P |
| Ms. Megha | Auditory cognitive and neuro-physiological basis of hearing aid acclimatization | Dr. Sandeep M |
| Mr. Jithin Raj B | Audiovisual perception of acoustically enhanced speech in individuals with auditory neuropathy spectrum disorders | Dr. Sandeep M |
| Mr. Niraj Kumar Singh | Frequency tuning property of ocular-vestibular myogenic potentials in healthy individuals and in individuals with vestibular pathologies | Dr. Animesh Barman |
| Usha Shastri | Influence of some auditory and cognitive factors on perceptual learning of non-native speech sound contrast. | Dr. Ajith Kumar U |
| Ramya V | Efficacy of temporal processing training in older adults | Dr. Asha Yathiraj |
| Priyanka V | Temporal processing abilities auditory working memory and speech perception in noise in vocal musicians, violinists and non-musicians | Dr. Rajalakshmi K |

1. **Dissertation Completed**

36 students of II M.Sc. (Audiology) submitted their dissertations which were carried-out under the guidance of faculty of the department.

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.**  **No**. | **Name of the researcher** | **Dissertation topic** | **Name of the guide** |
| 01 | Aparna T.H | Audio-visual interaction in P300 | Dr. Sandeep M |
| 02 | Apoorva H.M | Lexical neighborhood test (LNT) | Dr. Asha Yathiraj |
| 03 | Arpitha V | Effects of compression release time in hearing aid on acoustic and behavioral measures of speech | Dr. P. Manjula |
| 04 | Arya Chand | A comparative study of rhythm perception in Carnatic musicians and Bharatanatyam dancers | Dr. K. Rajalakshmi |
| 05 | Chandan H.S | Comparison between preferred gain and prescribed gain at different input levels | Dr. Vijayakumar Narne |
| 06 | Chandni Malik | Effect of age on spectral distribution of click and tone-burst evoked otoacoustic emissions in infants. | Ms. N.M.Mamatha |
| 07 | Deepashree S.R | Influence of auditory closure ad working memory on audio-visual perception of speech | Dr. Sandeep M |
| 08 | Deepika Verma | Auditory plasticity in musicians: A comparative study | Dr. K. Rajalakshmi |
| 09 | Deepthi M | Companding to improve speech recognition in noise in individuals with cochlear hearing loss | Dr. Vijayakumar Narne |
| 10 | Dhanalakshmi G | Effect of personal music systems on hearing in young adults | Dr. Ajith Kumar U |
| 11 | Divya Vishu | Action potential latency in electrocochleography could be a hallmark of endolymphatic hydrops | Mr. Niraj Kumar Singh |
| 12 | Garvita | Stimulus rate and subcortical auditory processing of speech in middle aged individuals | Mr. Sujeet Kumar Sinha |
| 13 | Giten Eliza George | Effect of hearing aid channels on acoustic change complex | Mr. Sreeraj K |
| 14 | Jasmine Abdul Rehman | Development of tone-burst ABR in infants | Ms. N. M. Mamatha |
| 15 | Jobish T.J | Aided acoustic change complex in cochlear hearing loss | Mr. Sreeraj K |
| 16 | Jonathan Lalchawilena | Mizo high frequency-speech identification test (MHF-SIT) | Ms. Chandni Jain |
| 17 | Kruthika S | An evaluation of acoustic and perceptual effects of feedback management in hearing aids | Dr. P. Manjula |
| 18 | Laxme Janardhanan | Effect of reverberation on acceptable noise level in individuals with normal hearing and hearing impairment | Ms. N. Devi |
| 19 | Mahima Gupta | Effect of music exposure on online subcortical plasticity | Dr. Sandeep M |
| 20 | Margaret Hmangte | Development of high frequency speech identification test in Manipuri language | Ms. Geetha C |
| 21 | Merry Elizabeth Roy | Effect of spectrally and temporally modulated maskers on speech perception in listeners with normal hearing, cochlear hearing loss and auditory dys-synchrony | Dr. Animesh Barman |
| 22 | Mythri H.M | Age related changes in auditory memory and sequence in younger and older adults | Dr. Asha Yathiraj |
| 23 | Preeti Sahu | Developmental changes of auditory visual integration: A cross-sectional study | Ms. Geetha C |
| 24 | Ratul Dey | Efficacy of a hearing checklist and screening test in identifying hearing problems in primary school children | Dr. Asha Yathiraj |
| 25 | Rishitha Umesh Hosabettu | Relationship between auditory temporal processing and working memory | Dr. Ajith Kumar U |
| 26 | Rohit Kumar Gupta | LLR and Dichotic speech scores in children with learning disability | Mr. Prawin Kumar |
| 27 | Sahana P | The effect of digital noise reduction (DNR) in hearing aids on ALLR, speech recognition ability and quality | Dr. Manjula P |
| 28 | Saravanan P | Assessment of different vestibular pathways in individuals with dizziness | Mr. Sujeet Kumar Sinha |
| 29 | Satbir Singh | Electrophysiological and behavioral assessment of temporal processing abilities in children with dyslexia | Mr. Prawin Kumar |
| 30 | Shachi | Perception of spectrally enhanced speech through companding process in individual with auditory neuropathy | Dr. Animesh Barman |
| 31 | Seby M M | Effect of spectral bandwidth and spectral integration on speech perception in listeners with normal hearing cochlear hearing loss and auditory dys-synchrony. | Dr. Animesh Barman |
| 32 | Sneha Bansal | Subcortical encoding of tonal pitch counters in native speaker and musically trained non-native speakers | Dr. Vijayakumar Narne |
| 33 | Spoorthi T | Acoustic change complex: Objective measure of speech in noise perception | Ms. Devi N |
| 34 | Vinsha K | Comparison of performance with BAHA and binaural hearing aids | Ms. Devi N |
| 35 | Vipin Ghosh P.G | Vestibular evoked myogenic potential in individuals with diabetes mellitus | Mr. Sujeet Kumar Sinha |
| 36 | Zubin Vinod | Subcortical correlates of speech perception in noise musicians vs. non-musicians | Dr. K. Rajalakshmi |

1. **Dissertation under progress**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.**  **No.** | **Name of the researcher** | **Dissertation topic** | **Name of the guide** |
| 01 | Abhishek K Sehta | Vestibular profile in individuals with unilateral sensori-neural hearing loss. | Mr. Sujeet Kumar Sinha |
| 02 | Abhishek Saha | Temporal resolution and speech perception abilities in percussion instrument players across their experience in training | Dr. Rajalakshmi K |
| 03 | Aswathi Suresh | The combined effect of compression and digital noise reduction algorithm on speech perception and speech quality. | Ms. Geetha C |
| 04 | Baljeet Rana | Maturation of auditory brainstem in toddlers (1-2 year): An electrophysiological study. | Ms. Mamatha N.M |
| 05 | Bharathidasan S | Dichotic rhyme test in Tamil: A normative data on adults. | Dr. Rajalakshmi K |
| 06 | Deepthi Poovayya | Behavioural pitch perception & brainstem encoding of odd and even harmonics | Dr. Vijayakumar Narne |
| 07 | Gagana M.S | Effects of frequency compre-ssion on localization and speech identification in noise in individuals with hearing impairment. | Dr. P. Manjula |
| 08 | George Sebastian | Binaural interaction component (BIC) in symmetrical and asymmetrical sensorneural hearing loss. | Dr. Rajalakshmi K |
| 09 | Hijas Mohamed N | Some auditory effects of short-term perceptual training of music. | Dr. Ajith Kumar U |
| 10 | Hrudananda Sahoo | Comparison of post-exposure effect of music through personal music system on hearing in young adults. | Dr. Ajith Kumar U |
| 11 | Indukala K.V | Effect of age on click and toneburst evoked otoacoustic emissions in toddlers with 1 to 2 years of age. | Ms. Mamatha N.M |
| 12 | Md. Akbar Shah | Bisyllabic word lists for testing speech recognition threshold in Manipuri language for adults. | Mr. Sreeraj K |
| 13 | Mittali Joshi | Effect of rise/fall and plateau time on ocular vestibular evoked myogenic potential. | Mr. Niraj Kumar Singh |
| 14 | Nandan Kumar Verma | Eustachian tube function test in individuals with intact tympanic membrane. | Mr. Prawin Kumar |
| 15 | Nandu P.U | Conventional BTE vs. Receiver in the canal BTE: An evaluation of performance with different ear coupling devices in sloping sensorineural hearing loss. | Mr. Sreeraj K |
| 16 | Neha Verma | Effect of directional hearing aids on FBR, SNR-50 and localization. | Dr. P. Manjula |
| 17 | Nisha K.V | Are different hearing aid settings required for different languages? | Dr. P. Manjula |
| 18 | Prajeesh Thomas | Optimizing the cVEMP protocol for the diagnosis of meniere’s disease | Mr. Sujeet Kumar Sinha |
| 19 | Prerna A Chandekar | Lexical neighbourhood test in Telugu | Dr. Asha Yathiraj |
| 20 | Radhika Mishra | Auditory brainstem responses to dichotic speech | Dr. Sandeep M |
| 21 | Rajkishor Mishra | Effect of low frequency gain attenuation in BAHA with test band in individual with single-sided deafness | Mr. Kishore Tanniru |
| 22 | Sachchidanand Sinha | The sub-cortical and cortical processing of some speech and non-speech sounds in children with phonological disorders | Mr. Niraj Kumar Singh |
| 23 | Sandeep Mohan | Central auditory processing skills in older individuals | Dr. Asha Yahiraj |
| 24 | Sreelakshmi S | Comparison between outcomes of using occluded and open fit channel free hearing aid | Mr. Sreeraj K |
| 25 | Srikanth Naik Kethavath | Frequency specific temporal integration in individuals with normal hearing and cochlear hearing loss | Dr. Vijayakumar Narne |
| 26 | Srishti Rawat | Fast PTCs and threshold equalizing noise (TEN) test in individuals with meniere’s disease | Dr. Sandeep M |
| 27 | Suchi Soni | Transient effect of auditory brainstem responses on DPOAE in adults with normal hearing sensitivity | Ms. Chandni Jain |
| 28 | Sudhanshu K Vikas | Effect of contralateral noise on cochlear microphones and TEOAEs in individuals with meniere’s disease | Ms. Chandni Jain |
| 29 | Suresh K | Comparison of stacked tone-ABR and chirp ABR in individual with normal hearing and sensorineural hearing loss | Dr. Animesh Barman |
| 30 | Vijay Karun | Brainstem correlates of auditory temporal processing in children with specific language impairment | Mr. Sujeet Kumar Sinha |
| 31 | Vinni Chhabra | MMN to Malayalam nasal contrasts in native and non-native individuals | Dr. Sandeep M |
| 32 | Vivek Sharma | Effect of ageing on medial olivocochlear bundle through contralateral suppression of high resolution DPOAEs | Mr. Prawin Kumar |
| 33 | Yashaswini | Effect of signal to noise ratio on cortical encoding of speech in elderly | Ms. N.M. Mamatha |

1. **Research Papers Presented at National/International Conferences /Seminars**
2. **International:**

Mamatha, N.M, Maggu, A.R., & Kumar, U. *Evaluation of* *Brainstem Timing in quiet and noise in children with learning disability* . New Born Hearing Screening (NHS-2012) conference, Italy, 5th–7th June 2012.

Manjula, R., Arunraj, K. , & Savithri, S.R. *A three year outcome report of new born and infant screening at All India Institute of Speech and Hearing, Mysore, India.* New Born Hearing Screening (NHS-2012) conference, Italy, 5th–7th June 2012.

Rajalalakshmi, K (2013). Cross-cultural communication: Exploring cross-cultural differences and similarities in attitudes towards hearing help seeking and uptake of hearing aids, Bristol University, UK, 22-23.02.2013.

Ranjan, R & Barman, A. *An insight into neural representation of amplified speech sounds implications for the hearing aid fittings*. 11th Asia Pacific Congress on Deafness 2012 In conjunction with the 6th NUH-NUS ENT Head Neck Surgery Conference. Singapore, 26-28 July 2012.

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1. **National**

Asha Yathiraj & Akshay Raj Maggu. Comparison of a screening test and screening checklist for auditory processing disorders. 45th ISHACON, Chennai, TN, February 2013.

Ashitha P, Kadisonga, Niraj Kumar Singh. Effect of repetition rate on OVEMP. 45th ISHACON, Chennai, TN, February 2013.

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Nayana, L.R., Kumar, P & Prema, K.S., Acoustic characteristics of children with hearing impairment in preschool age group. National Seminar on Speech Synthesis and its Applications, at the Seminar Hall, Department of Linguistics, University of Kerala, Karyavattom Campus, Thiruvananthapuram held on 9th to 11th July 2012.

Niraj Kumar Singh & Animesh Barman. Frequency tuning properties of air conduction ocular vestibular evoked myogenic potentials in healthy individuals. 45th ISHACON, Chennai, TN, February 2013.

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Priyanjali Harit & Devi, N. (2013). Vocal emotion recognition in group of individuals with normal hearing, sensorineural hearing loss and auditory dys-synchrony. Research at A.I.I.S.H. Mysore (Articles based on Dissertation done at AIISH), Vol.IX, 2010-11, Part A, pp.240-249.

Ranjeet Ranjan & Animesh Barman (2013). Effect of stimulus rate on subcortical auditory processing in children. Research at A.I.I.S.H. Mysore (Articles based on Dissertation done at AIISH), Vol.IX, 2010-11, Part A, pp.250-262.

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Swathi, V.M., & Sujeet Kumar Sinha (2013). Effect of dance training on vestibular evoked myogenic potentials. Research at A.I.I.S.H. Mysore (Articles based on Dissertation done at AIISH), Vol.IX, 2010-11, Part A, pp.323-330.

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1. **Research Papers Published**
2. **Papers Published in National /International Journals (a) International**

Raghunath G, Suiting, L., & Maruthy, S. (2012). Vestibular symptom in factory workers subjected to noise for a long period. *International Journal of Occupational and Environmental Medicine, 3(3), 136-144*.

Singh, S., Gupta, R.K., Kumar, P. (2012). Vestibular evoked myogenic potentials in children with sensorineural hearing loss. International Journal of Pediatric Otorhinolaryngology, 76, 1308-1311.

Sujeet Kumar Sinha, Animesh Barman, Niraj Kumar Singh, Rajeshwari G & Sharanya, R (2013). Vestibular test findings in individuals with auditory neuropathy: review. Journal of Laryngology and Otology,22,1-4.

Yathiraj, A., & Maggu, A.R. (2012). Screening Test for Auditory Processing (STAP): Revelations from Principal Component Analysis. SSW Reports, Vol.34(3) August.

**(b) National**

Dhatri, S. Devaraju, Vrinda, R., Jayashree, C. Shanbal, Mamatha, N.M. & Gopi Sankar, R (2013). Lexical processing in 8-10 year old children: Evidence through behavioral and ERP measure. JAIISH, Vol.31, 2012, pp.130-138.

Ganesh, A.C., Kumar, A. U., & Rao, S. T.A. (2012). Speech perception under spectral shift and compression – Expansion conditions: A cochlear implant simulation study. *Journal of Indian Speech Language and Hearing Association*, Vol.26 (1), 9-16.

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Nike Gnanateja, G., Ranjeet Ranjan, & Sandeep, M. (2013). Physiological bases of the encoding of speech evoked frequency following responses. JAIISH, Vol.31, 2012, pp.215-219.

Prawin Kumar & Pallavi Peepal (2013). Cochlear hydrops analysis masking procedure in individuals with normal hearing and meniere’s disease. JAIISH, Vol.31, 2012, pp.183-189.

Prawin Kumar, Kaushlendra Kumar, Animesh Barman (2013). Effect of short duration broad band noise on transient evoked otoacoustic emission amplitude. Indian Journal of Otolaryngology and Head & Neck Surgery, January 2013, Vol.65, Issue 1, pp.44-47.

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Usha Shastri (2012). *Lexical tones in Manipuri language*. At the national Symposium on Acoustics (NSA-2-12) held at Tiruchengode, Namakkal District, Tamil Nadu held on 5th to 7th December 2012.

Vinni Chhabra & Sujit Kumar Sinha (2013). Cervical vestibular evoked myogenic potentials: A review. JAIISH, Vol.31, 2012, pp.177-182.

ii**) Papers Published in Conference/Seminar Proceedings.**

**Abstract published**

Asha Yathiraj & Akshay Raj Maggu. Comparison of a screening test and screening checklist for auditory processing disorders. 45th ISHACON, Chennai, February 2013.

Ashitha P, Kadisonga, Niraj Kumar Singh. Effect of repetition rate on OVEMP. 45th ISHACON, Chennai, TN

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**Dr. Asha Yathiraj**

* Reviewer for Journal of RCI.
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**Dr. Manjula P**

* Reviewer, Journal of Indian Speech Language and Hearing Association, Vol.26(1), 2012 ISSN 0974-2131

**Dr. Rajalakshmi K**

* Reviewer for Noise and Health online journal
* Peer reviewer for audiology articles in Journal of Psychology

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* Associate Editor, Journal of Indian Speech Language and Hearing Association, Vol. 26(1), 2012 ISSN 0974-2131.
* Reviewer for Journal of American Society of America, Journal of Indian Speech and Hearing Association, Medical hypothesis.
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