**ALL INDIA INSTITUTE OF SPEECH AND HEARING: MYSORE-6**

**DEPARTMENT OF SPEECH-LANGUAGE SCIENCES**

No.SH/SLS/AR/2015-16 10.4.2015

Submitted to the Director:

Sub: Preparation and submission of draft material for Annual Report for the year 2014-15.

Ref: Circular No. SH/LIC/AR/2014-15, dated 23.3.2015.

With reference to the above, please find enclosed the draft material for Annual Report for the year 2014-15 in the prescribed format, as desired. The soft copy is sent to aiishreports@gmail.com

HOD, Speech-Language sciences

Encl: a/a

**ALL INDIA INSTITUTE OF SPEECH & HEARING: MYSORE – 570 006**

**DEPARTMENT OF SPEECH-LANGUAGE SCIENCES**

**ANNUAL REPORT FOR THE YEAR 2014-15**

1. **ACADEMIC ACTIVITIES**
2. **Orientation / Short-term Training Programs: 3**

|  |  |
| --- | --- |
| **Theme / Topic of the Program** | Teaching hands-on training on spectrographic analysis of speech |
| **Coordinator** | Dr. Hema, N., Lecturer in Speech Sciences |
| **Objectives** | Teaching acoustic phonetics |
| **Target Audience**  |  M.Sc. Forensic science student from Maharaja’s College, Mysore |
| **Number of Participants** | 1 |
| **Date** | May 2014 |

|  |  |
| --- | --- |
| **Theme / Topic of the Program** | Forensic Speaker Verification  |
| **Coordinators** | Dr. M. Santhosh, Dr. N. Hema & Ms. Sahana, V.  |
| **Objectives** | To teach acoustic analysis based method of forensic analysis |
| **Target Audience**  | Dr. Vinay Mishra, Senior Scientist, State Forensic Sciences Lab, Madhya Pradesh |
| **Number of Participants** | 1 |
| **Date** | 1st September to 5th September, 2014 |

|  |  |
| --- | --- |
| **Theme / Topic of the Program** | Acoustic Phonetics (Theory & Practicals) – 2 Programs  |
| **Coordinator** | Dr. Hema, N., Lecturer in Speech Sciences |
| **Objectives** |  |
| **Target Audience**  | Staff & Students of M. A. in Linguistics |
| **Number of Participants** | 46 |
| **Date** | 20th Jan. & 30th Mar., 2015 |

1. **Clinical Observation Posting of Students from other Institutes: 16**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.No. | No. of Students | Course | Institute | Date |
|  | 2 | Dental PG  | Coorg Institute of Dental Sciences, Virajpet | July 2014 |
|  | 2 | ENT PG | VIMS, Bellary | 8.8.14 |
|  | 2 | ENT PG  | 21.8.14 |
|  | 3 | ENT PG | KIMS, Hubli  | 8.9.14 |
|  | 3 | ENT PG | 22.10.14 |
|  | 2 | ENT PG | VIMS, Bellary | 11.11.14 |
|  | 2 | ENT PG | 21.11.2014 |
|  | 2 | ENT PG | Sri BM Patil Medical College, Bijapur  | 21.11.14 |
|  | 1 | ENT PG | S.S. Institute of Medical Sciences & Research Center, Davanagere | 5.12.14 |
|  | 2 | ENT PG | KIMS, Hubli  | 19.12.14 |
|  | 1 | ENT PG | MP Shah Govt. Medical College, Jamnagar, Gujarat  | 19.12.14 |
|  | 2 | ENT PG | Mysore Medical College, Mysore | 19.12.14 |
| 19.12.14 |
|  | 1 | ENT PG | 1.1.15 |
|  | 1 | ENT PG | 6.2.15 |
|  | 1 | ENT PG | S.S. Institute of Medical Sciences & Research Center, Davanagere  | 13.3.15 |
|  | 1 | ENT PG | 27.3.15 |

1. **Seminar/Conference/Workshop conducted: 3**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Theme /Topic Topic of the Program** | **Coordinator** | **Objectives** | **Target Audience** | **No. of Participants** | **Date** |
| National Workshop on ***Pediatric Voice Disorders: Assessment & Management***  | Dr.T.Jayakumar & Mr.R.RajaSudhakar  | To impart knowledge on recent assessment procedures and treatment for children with voice disorders. | UG/PG students & SLPs | 105 | 12th & 13th February 2015 |
| National Workshop on ***Acoustic Analysis of Speech*** | Dr.M.Santosh  | To impart training in recent advances in acoustic analysis of speech | UG/PG students & SLPs | 54 | *26-27 March, 2015* |
| ***International stuttering awareness day*** | Dr. Y. V. Geetha from Fluency Unitalong with the department of Clinical Services | To create awareness about fluency and its disorders  | Anganawadi Workers & ASHA workers  | 50 | 28.10.14 |

1. **Staff Enrichment / In-house Training Programmes (For Dept staff members): 11**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No. | Theme/ topic | Coordinator | Objectives | Number of participants | Date |
|  1. | Electrically Evoked Responses Related to Cochlear Implant | Dr. T. Jayakumar | Briefing about the Seminar  | 7 | 22nd September 2014 |
| 2. | Role of Assistive Technology in the Management of Persons with Cerebral Palsy  | Ms.Shishira Bharadwaj | Briefing about the Seminar | 10 | *8th September 2014* |
| 3. | Automatic versus volitional mechanisms in persons with aphasia  | Mr.Abhishek B.P., | Briefing about the published article | 13 | *20th October 2014* |
| 4. | Comparison of tongue contours in adults, adolescents and children using ultrasound imaging | Ms. Ansu Abraham | Briefing about the dissertation | 20 | *3rd November 2014* |
| 5. | Bringing Applied Analysis to Home, School and Play | Ms. Sahana, V. | Briefing about the Workshop | 16 | *19th November 2014* |
| 6. | Macrolinguistic Analysis of Discourse in TBI: Right Vs Left Hemisphere Injury | Dr.Hema, N. | Briefing about the publication  | 13 | *10th December 2014* |
| 7. | Nature of Vowels & Diphthongs in the population of Malayalam Infants | Ms. Reeny Roy | Briefing about the publication | 14 | *29th December 2014* |
| 8. | Cognitive Neuroscience | Dr. K.S. Prema | Summarizing about the Dr. Ratna Oration Award  | 19 | *6th January, 2015* |
| 9. | 5S Practices | Ms. Sahana.V | Briefing about the Seminar | 14 | 27th *January, 2015* |
| 10. | Effects of altered auditory and sensory feedback on stuttering | Ms. Akshatha | Briefing about the publication | 11 | *16th February 2015* |
| 11. | Signal Processing on MATLAB | Dr.Jayakumar, T. | Briefing about the Workshop | 9 | 26th February, 2015 |

**E) Guest Lectures - 2**

|  |  |
| --- | --- |
| **Name, Designation and Institutional affiliation of Lecturer**  | *Dr. Megha Sundara*, Associate Professor, Department of Linguistics, UCLA, |
| **Topic of Lecture**  | Perceptual similarity constraints of phonological learning in infants and adults |
| **Date**  | 28th July 2014 |

|  |  |
| --- | --- |
| **Name, Designation and Institutional affiliation of Lecturer**  | Mr. Pradeep Balachandran, Project Engineer, I. I. Sc., Bangalore |
| **Topic of Lecture**  | Automatic Methods of Forensic Speaker Identification |
| **Date**  | 21st January 2015 |

**F) Additional Academic Services rendered by the Faculty and Staff**

1. **Invited Talks:**

**Dr. K. S. Prema**

Delivered Dr. N.Rathna Oration on ***Cognitive Neuro Science: for Catalyst for Treatment Outcome in Language and Literacy?*** At ISHACON47 held at MAHE, Manipal on 2.1.2015.

Delivered invited talk on ***Telehealth services for persons with communication disorders*** at ISHACON47 held at MAHE, Manipal on 2.1.2015.

**Dr. Y.V. Geetha**

Delivered lecture on ***An overview on stuttering*** at Clinical Services, AIISH, Mysore on 28.10.2014.

Y. V. Geetha (2014). ***Professional Voice Care***, 22nd October. Jawahar Navodaya Vidyalaya, Mysore

**Dr. N. Sreedevi**

Delivered a talk on ***Acoustic Characteristics of Vowels and Diphthongs.*** National Workshop on ‘Acoustic Analysis of Speech’ on 27th March 2015.

**Dr. M. Santosh**

Delivered tele-orientation lecture on ***Stuttering, misarticulation and phonological disorder*** to the caregivers at 10 DHLS centers connected to CREDM on 10.06.2014

Delivered a talk on ***Protecting and promoting right persons with stuttering***at the International Stuttering Awareness Day (ISAD) organized on 28thOctober 2014 by Dept. of Clinical services, AIISH, Mysore.

Delivered a talk on ***Acoustic analysis of voice***. National workshop on Paediatric Voice Disorders: Assessment and Management, 12-13 February, AIISH, Mysore

Delivered a talk on ***Introduction to Speech Acoustics***. National workshop on Acoustic Analysis of Speech, 26-27 March, AIISH, Mysore

**Mr. R. Rajasudhakar**

Delivered a talk on ***Voice Therapy for Pediatric Voice Disorders***. National Workshop on ‘Pediatric Voice Disorders: Assessment & Management’ on 13th Feb 2015

Delivered a talk on ***Acoustic Characteristics of other sounds (Affricates, Liquids & Glides).*** National Workshop on ‘Acoustic Analysis of Speech’ on 27th March 2015.

**Dr. T. Jayakumar**

Delivered a talk on ***Development of voice from infancy to adulthood.***  National Workshop on ‘Pediatric Voice Disorders: Assessment & Management’ on 13th Feb 2015

Delivered a talk on ***Aerodynamic and perceptual analysis of Pediatric Voice Disorders.*** National Workshop on ‘Pediatric Voice Disorders: Assessment & Management’ on 13th Feb 2015

Delivered a talk on ***Acoustic characteristics of fricatives and nasals***. National Workshop on ‘Acoustic analysis of speech’ on 26 & 27h Mar 2015

**Mr. S. Kuppuraj**

Delivered a talk ***Recent advances in assessment and intervention on learning disability*** on Recent Advances in Intervention of Dyslexia held at MV Shetty College of Speech & Hearing, Mangalore on 25th August 2014.

1. **Curriculum Development: Nil**
2. **Development of Materials to Support Learning: Nil**
3. **Service in Academic bodies of other Organizations**

**Dr. K.S. Prema**

BOS (Spl.Ed. & Rehabilitation) member for for Avinashlingam Institute for Home Science and Higher Education for Women University, Coimbatore, T.N. Response from Office awaited to accept the invitation. Member of BOS (Ed) of Karnataka State Open University

**Dr. Y.V. Geetha**

Participated in RCI sub-committee meeting at NIMHANS, Bangalore and compiled BASLP syllabus.

**Dr. N. Sreedevi**

Member of BOS-UOM, Bangalore University, Manipal University, Mangalore University, Kannur University, Calicut University, University of Allied Health Sciences, Thrissur, University of Thiruvananthapuram

1. **Participation in Committees / Taskforces and Panels set up by other Organizations / Agencies**

**Dr. K.S. Prema**

* + - Member of International Reading Association, USA.
		- Life member of Dravidian Linguistic Association.
		- Member of ‘Fulbright State Alumni Association’.
		- Member of ‘Women in Science’.
		- Member of All India Association for Educational Research.
		- Editorial Board Member of IJOAL and LF Journals.
		- Member of Editorial Committee, Journal of Research in Innovative Teaching, National University Journal, USA
		- Member of Curriculum Task Force Committee for Audiology and Speech-language pathology Stream of Allied Health Sciences.
1. **Any other**

**Dr. K.S. Prema**

* + - Member of Doctoral Committee, AIISH (2012-15)
		- Member of BOS (Speech and Hearing-Composite Board)-2013-15
		- Served as Chief Guest for the program ‘Chinnara Mela’ held at Kiriya Pushpa School, Mysore on 12-04-2014
		- Member of Committee for Internal Quality Assurance Cell
		- First Appellate Authority at AIISH under RTI ACT (2005)
		- Chairperson-Complaints Committee for redressal of the complaints of sexual harassment at the institute.
		- Served as a member of doctoral committee for Open Viva of Mr. Sampath Kumar on 25.7.2014.
		- Served as Member of Colloquium Committee for JRF’s (4 members) on 29.9.2014.
		- Served as reviewer of APAR submitted by staff (other than HOD & Professors) of Dept. of Special Education, Speech-Language Sciences & 2 Hostels.
		- Attended Research Advisory Committee Meeting to scrutinize the project reports on 12-12-2014
		- Facilitated the visit of International faculty and also coordinated the meeting proceedings held in the Boardroom on 22nd and 23rd January, 2015
		- Delivered AIR Lecture in ‘Paraspara Phone in program’ on 27th January 2015.
		- Offered service for Entrance Examination (M.Sc-SLP) process on 3.2.15.
		- Served as an internal auditor for Department of clinical Services on 6.2.15.
		- Served as Chairperson of the selection committee for the posts of P.T. and Clinical Linguist on 19.2.15.
		- Meeting with KSOU affiliation committee members for Online PGFSST program on 3.3.2015
		- Served as Ph.D. Colloquium committee member for Pravesh Arya, Ph.D. Open viva on 4.3.2015
		- Served as a Member of Doctoral Committee for Three JRF Candidates on 31.3.2015
		- Member of Editorial Board of JAIISH

**Dr. Y.V. Geetha**

* + - Mentor of II M.Sc A & B sections
		- Chairperson of Fluency Unit
		- Chairperson of Professional Voice Care unit
		- Member of Doctoral Committee for 5 Ph.D. students
		- Member of BOS, University of Mysore
		- Member of BOAE, University of Mysore
		- Member of BOE, University of Mysore
		- Overall Coordinator of DHLS Program
		- DHLS Coordinator of Mysore Center
		- Chairperson of Library Advisory Council
		- Chairperson of Standing Purchase committee
		- Chairperson of the committee for scrutiny of applications for faculty posts
		- conducted ISO audit of Special Education Dept. on 8.9.2014
		- Served as a member of doctoral committee meeting for pre-submission presentation of Mr. Gnanvel on 31.10.14
		- Member of Research advisory committee and reviewed ARF pendency and reviewed reports
		- Chaired one scientific session on speech poster presentations at ISHACON held on 2.1.2015
		- Attended PG entrance exam paper setting meeting from 3-12.2.2015 including compilation of two sets with answer keys etc.
		- Member of doctoral committee meeting for presubmission colloquium of Mr. R. Rajasudhakar on 23.2.15
		- Prepared and sent letter to KSOU VC reg. online PG diploma program along with syllabus and regulations and Coordinated inspection for online PGDFSST program on 3.3.2015 regarding inspection in board room and showed around labs, library and academic section by Ms. Hemalatha R. and Ms. Divya from KSOU, Mysore and prepared minutes
		- Served as internal auditor for ISO audit of SLP dept on 6.2.15
		- Member of doctoral committee meeting for viva voce of Ms. Pravesh Arya on 4.3.15 as the guide
		- Participated in the project review meet organized by the DST on 7-8, Nov. 2014 at Shornur, Kerala and presented progress report on DST project
		- Prepared article on stuttering for newspaper on account of international stuttering awareness day and got it published on 29th Oct. 2014
		- Member of Editorial Board JAIISH

**Dr. N. Sreedevi**

* + - Serving as HOD Dept. of Speech Language Sciences
		- Chairperson – Unit of Human Genetics
		- Chairperson – Voice Clinic
		- Coordinated the Suvelliance ISO audit of the dept on 20.3.2015
		- Served as one of the examiners for the pre submission colloquium of Mr. Rajasudhakar R.
		- Served as Chairperson, Scientific Committee for NSA
		- Served as interview board member for project officers on 30.10.2014
		- Served as member of Doctoral committee of Ms. Deepthi K J
		- Served as chairperson, Doctoral Committee of Ms. Irfana M.
		- Served as member of Doctoral committee of Mr. Gnanavel
		- Presented ARF Project (4 Nos.) reports for Ethical clearance
		- Served as judge for the debate competition of the Science Day at AIISH
		- Member of Editorial Board JAIISH

**Dr. M. Santosh**

* + - Mentor – I B.Sc. (A Section)
		- Member of fluency Unit
		- Member of Unit for Human Genetics
		- Coordinator – Monthly public lecture series
		- Member of “5 AIISH Like Institution proposal committee”
		- Chaired 2 session in *ISHACON – 47, 1-3 January,2015, Manipal*
		- Served as auditor for ISO internal audit of library and department of material development
		- Co-Chaired 1 session in *NSA-2014, 12-14 November,2014, AIISH*
		- Chairperson Physical stock verification and Bar coding (ENT and Men’s Hostel)
		- Served as a Member of Doctoral Committee for one JRF Candidate
		- Served as one of the examiners for the pre submission colloquium of Mr. R. Rajasudhakar
		- Member of Editorial Board JAIISH

**Mr. R. Rajasudhakar**

* Staff Secretary-AIISH Gymkhana
* Class mentor III B.Sc. (A section)
* Deputed to RIMS, Imphal, for the purpose of initiating the BASLP course.
* Member Secretary- PVC unit
* Member- Anti-Ragging Squad (2014-2015)

**Dr. T. Jayakumar**

* + - Instrument – Incharge, Dept. of SLS
		- Member of Professional Voice Care (PVC) center
		- Member of the Human Genetic unit
		- Member of Technology developmental board & IPR cell
		- Member of “5 AIISH Like Institution proposal committee” and Assisted in preparation of draft for *5 AIISH Like Institution proposal committee proposal*
		- Deputed to JIPMER, Puducherry for the purpose of initiating the BASLP course
		- Member of application scrutiny of the three posts.
		- Member secretary in Stock verification of audiology dept
		- Served as a Member of Doctoral Committee for one JRF
		- Served as custodian for UG and PG examination question papers on Dec & Jan 2014.
		- Served as DCS for B.Sc. Entrance Examination at Chennai Centre
		- Member of Editorial Board JAIISH

**Dr. Hema N.**

* Mentor- PGDFSST and co-ordinated the conduction of exam
* Member Secretary- Student Grievance cell 2014-15.

**Mr. Abhishek B.P.**

* Compilation of Dissertation abstracts 2013-14. Assisting Ms. Sangeetha Mahesh, Clinical Lecturer.
* Member Stock Verification Team.

**Mr. Kuppuraj, S.**

* Deputed to RIMS, Imphal, for the purpose of conducting the BASLP course.

**Ms. Sahana, V.**

* Member, Stock Verification Committee and Bar Coding for Department of Speech-Language Pathology
* Nodal Officer, Official Language Implementation Committee
* Delivered a talk on Vocal Hygiene program for Teachers in Orientation Program conducted by PVC
1. **RESEARCH ACTIVITIES**
2. **Extramural Research Projects**
3. **Completed Research Projects during 2014-15**

|  |  |
| --- | --- |
| **Title** | Development and validation of screening tool to identify learning disability (teacher administered screening tool) |
| **Objectives** | To develop screening tool for children with learning disability |
| **Investigators**  | Dr. Prema K.S.Rao (from South India and three other P.I’s from other states) & project coordinator Dr. Nandini Singh |
| **Funding Source**  | DST-CSI-Educational Neuroscience |
| **Grant Amount** |  Rs.14 lakhs for individual P.I. |

1. **New projects initiated during 2014-15**

|  |  |
| --- | --- |
| **Title** | Development of Speech Rhythm (FO) in Kannada Speaking Children  |
| **Objectives** | To establish the rhythm pattern in kannada speaking children based on F0 |
| **Investigators**  | Dr.S.R.Savithri, PI , Dr. N. Sreedevi, Co PI |
| **Funding Source**  | DST |
| **Amount** |  Rs. 30,14,932/- |

1. **Ongoing**

|  |  |
| --- | --- |
| **Title** | Feedback controls in Persons with Stuttering |
| **Objectives** | To see the pattern of feedback control mechanisms in PWS compared to normal controls |
| **Principal Investigators**  | Dr. Y.V. Geetha, Ms. Sangeetha M, Ms. Sahana V, Dr. H. Sundara Raju |
| **Funding Source**  | Dept. of Science & Technology |
| **Amount** | 11,68,000  |

|  |  |
| --- | --- |
| **Title** | Auditory and multisensory processing in persons with stuttering |
| **Objectives** | * To investigate auditory processing in children and adults who stutter
* To investigate audio-visual processing in children and adults who stutter
 |
| **Investigators**  | Dr. M Santosh (PI) & Dr.Ajith Kumar U (Co-PI) |
| **Funding Source**  | DST |
| **Amount** | 13,92,000/- |

1. **Postgraduate Research Completed**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.****No.** | **Title/Topic**  | **Candidate**  | **Guide** |
| 1. | Relationship between language abilities and false belief understanding in typically developing 3-6 year old children’ | Ansu Elisa Thomas | Dr. Prema K.S |
| 2. | Theory of mind vis-à-vis communication in typically developing preschoolers | Archana Rajan | Dr. Prema K.S |
| 3. | Developing video training module for the evaluation of pragmatic skills  | Krishna A.R. | Dr. Prema K.S |
| 4. | The effect of fasting on various acoustic and perceptual parameters on voice | Ms. Vani | Dr. Y.V. Geetha |
| 5. | Laryngeal dynamics in weight holding tasks | Ms. Liji | Dr. Y.V. Geetha |
| 6. | Laterality in children with stuttering | Ms. Deepika | Dr. Y.V. Geetha |
| 7. | Comparison of tongue contours in children, adolescents and adults using ultrasound | Ms. Ansu Abraham | Dr. N. Sreedevi |
| 8. | Comparison of tongue contours in native and non native speakers of Kannada | Ms. Anjali Joseph | Dr. N. Sreedevi |
| 9. | Tongue contours in the production of vowels in hearing impaired children: An ultrasound study | Ms. Neethu Thoduvayil | Dr. N. Sreedevi |
| 10. | Singer’s Formant in Indian Classical Singers of Western Music | Phebe Evangeline Sajja | Dr. K. Yeshoda |
| 11. | Intra- and Inter-Rater Reliability of Voice Quality Assessment using GRBAS Scale by SLPs | Renjini Annie Mathew | Dr. K. Yeshoda |
| 12. | Vocal Hygiene Practices in Mizo Choral Singers | ZoramSiami | Dr. K. Yeshoda |
| 13. | Effect of Altered Auditory Feedback on Speech Rhythm in Individuals with Stuttering  | Swathi A. | Dr. M. Santosh  |
| 14. | Inflectional and derivational words Processing in L2: A masked priming study in Kannada-English bilinguals | Ms. Mercy Deepthi |  Mr. R. RajaSudhakar |
| 15. | Voice characteristics in bus conductor | Ms. Greeshma | Dr.T. Jayakumar |
| 16. | Effectiveness of voice therapy in subjects with vocal nodule | Mr. Chaitanya | Dr.T. Jayakumar |
| 17. | Aerodynamic and acoustic measure of voice in persons with Parkinson’s disease | Mr. Abdul Azeez | Dr. T.Jayakumar |
| 18. | Speaker identification using fricatives in Kannada speaking individuals: A preliminary study | Mr. Arjun, (M.Sc. Forensic science) | Dr. Hema N. (Co-Guide) |

1. **Postgraduate Research Ongoing (2014-15)**

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No. | Name of the Student | Title | Guide |
| 1. | Kapali Nayaka | Acoustic characteristics of vowels in dialects of Kannada  | Dr. Savithri S. R. |
| 2. | Manisha Hegde | Formant Frequencies of vowels in Tulu  | Dr. Savithri S. R. |
| 3. | Niharika, M.K. | Prime Type and Lexical Retrieval in Kannada-English Bilingual Adults | Dr. Prema K.S. |
| 4. | Thithi Jain  | Prime Type and Lexical Retrieval in Hindi-English Bilinguals | Dr. Prema K.S. |
| 5. | Shrilekha, B.  | Prime type and lexical retrieval in normal healthy aging bilingual adults | Dr. Prema K.S. |
| 6. | Jahnvi Prasad, S.  | Comparison of dysphonia severity index in pre-pubertal female trained Carnatic classical singers and non-singers | Dr. Y.V. Geetha  |
| 7. | Usha Y | Development of norms for singing voice quality using singing power ratio for the female pre-pubertal trained and untrained classical singers, and non-talented singers | Dr. Y.V. Geetha |
| 8. | Sonam Belliappa | Measure of emotional anxiety and attentional bias to emotional threat words using emotional Stroop task in persons with stuttering | Dr. Y.V. Geetha |
| 9.  | Anita Naitee Abraham  | Study of Vowel Space in Tribal Languages  | Dr. N. Sreedevi |
| 10. | Jyothsna Krishnan | Comparison of Vowel-Space Across Age Groups in Malayalam  | Dr. N. Sreedevi |
| 11. | Rofina Babin  | Manual for Linguistic Based Therapy Approaches for Speech Language Therapy in Malayalam  | Dr. N. Sreedevi |
| 12. | Rakesh C.V. | Relationship between clients self perceives stuttering severity and clinician rated stuttering severity in Kannada-English bilingual adults who stutter  | Dr. M. Santosh  |
| 13. | Pooja Umesh  | Analysis of Voice Using Cepstral Co-efficients in Carnatic Singers  | Mr. Rajasudhakar R.  |
| 14. | Rekha D.  | Colour-object Interference in 5-8 year Old Kannada Speaking Children: A Stroop Effect  | Mr. Rajasudhakar R. |
| 15. | Deepthi Ann Joy | Speech Motor Characteristics in 4-12 year old Kannada Speaking Children  | Dr. T. Jayakumar  |
| 16.  | Saryu Abraham  | Development of Manual for PHC Doctors on Voice Disorders  | Dr. T. Jayakumar |
| 17. | Nazmin A.A.  | Development of Voice Screening Test (Self-Report & Observation) for School Going Children  | Dr. T. Jayakumar |

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

Akshatha V, Geetha Y. V., & Sahana V (2015) Effects of altered auditory and sensory feedback on stuttering, Paper presented at *ISHACON – 47, 1-3 January,2015, Manipal .*

Amulya, R, Hamshi,G., & Abhishek.B.P. Testing Facilitation and Suppression Hypotheses of Lexical Semantic Activation in Persons with Anomic Aphasia on 2nd Jan, ISHA 2015

Anumitha, V.,Marget,V., & Abhishek,B.P. (2015) Is automatic mechanism of lexical retrieval intact in persons with Broca’s aphasia, on 2nd Jan ISHA 2015.

Dhathri, D., Nike, G., Ajith Kumar, U., &Santosh, M. (2014). Brainstem encoding of dynamically changing virtual pitch in harmonic complexes. Paper presented at the National Symposium on Acoustics (NSA-2014), November 12-14, AIISH, Mysore.

Dhatri S Devaraju, Santosh M & Ajith Kumar (2015) Brainstem encoding of dynamically changing virtual pitch in adults who do and do not stutter, Paper presented at *ISHACON – 47, 1-3 January,2015, Manipal*

Hamshi,G.,Amulya, R & Abhishek.B.P. Linguistic and non linguistic priming in persons with anomic aphasia on 2nd Jan. ISHA 2015.

Irfana, M & N Sreedevi (2014). Transition of coarticulation from prelinguistic to early linguistic period. Paper presented at NSA 2014, AIISH, Mysore. 12-14 Nov 2014.

Irfana. M & Sreedevi. N. (2015). Tongue dynamics of childhood apraxia of speech: a case study, paper presented at seminar on ‘Language Disorders and Therapeutic procedures of differently abled children, 10 March 2015, Trivandrum

Manasa.A & Santosh, M. (2015). An experimental verification of relationship between lexical category (content and function word) and stuttering frequency in children who stutter. Paper presented at the *47th Indian Speech and Hearing Association Conference* *1-3 January, Manipal.*

Margret,V., Anumitha,V., & Abhishek.B.P. (2015) Measurement of bilingual proficiency through self rating and objective methods: A comparison, on 2nd Jan ISHA 2015.

Prema K.S. & Remya Phillip**.** ISHA Bangalore chapter conference on “Audio-video methods: from recording to analysis-Application in diagnosis and intervention in speech-language pathology and Audiology” of case study titled “Audio-video sample analysis of morphophonology: Guidelines for speech-language pathologists and audiologists” on 11-10-2014 held at NIMHANS, Bangalore.

Rahul, K., & Hema, N. (2014). Benchmark for Speaker Identification using Linear Prediction Cepstral Coefficients (LPCC) on Vowels in Kannada Language: A Preliminary Study. National Symposium on Acoustics-2014, held from 12-14 November 2014.

Renuka C., & Prema K.S.Rao. Bilingual lexicon for children with hearing impairment: Boon with Android application. Presented in 7th National Women’s Science Congress, Rashtriya Mahila Vijnana Sammelana, held from 7-9 November, 2014. The paper was awarded the ‘Best paper presentation”.

Serooya, Nazmin Rajasudharkar, R. (2014). Voice characteristics in Street Children (Vendors). National Symposium on Acoustics-2014, held from 12-14 November 2014.

Syama, Rose Mary & Rajasudharkar, R. (2014). Voice Characteristics using multi-dimensional analysis of voice in Indian Children with Down Syndrome. National Symposium on Acoustics-2014, held from 12-14 November 2014.

1. **Research Papers Published**
2. **Papers published in national/international journals**

Abhishek.B.P., & Prema, K.S (2015) “Establishment of Norm-Referenced Value for neurologically healthy individuals on Generative Naming Task  in Kannada language”  *PILC journal of Dravidic studies*, Vol 31, March 2015, 9-23.

Abhishek B.P. & Prema K.S. “Performance on generative naming by neurologically healthy individuals and persons with Aphasia: A comparison. International Journal of Mind, Brain & Cognition, 4(1-2), Jan-Dec, 2013, pp. 67-85

Abhishek.B.P & Prema K.S. (2014*).* Paraphasia in Persons with aphasia: A reflection of lexical semantic breakdown. *Journal of Advance Linguistic studies, Vol 3, 23-37.*

Alexei Kochetov, N. Sreedevi, Midula Kasim & R. Manjula (2014) Spatial and dynamic aspects of retroflex production: An ultrasound and EMA study of Kannada geminate stops*, Journal of Phonetics, 46 , 168–184.*

Irfana, M. & Sreedevi, N. (2013). Comparison of tongue contours in children and adults: A preliminary ultrasound study. *Journal of All India Institute of Speech & Hearing, Vol. 32,* Pp 18-22.

Kuppuraj, S. & Prema K.S. Implicit Sequence Learning and Recursion Deficit in Children with Specific Language Impairment: A Neurocognitive Triad, Journal of Child Language Acquisition and Development (JCLAD), 2014, June, Vol.2, Issue:3, P.1-23.

Kuppuraj S. & Prema K.S. Rao “ Implicit sequence learning and recursion deficit in children with SLI: A neurocognitive triad”. Journal of Child Language Acquisition and Development (JCLAD), 2 (3), June 2014. ISSN 2148-1997.

Kuppuraj S. & Prema K.S. Rao “ Implicit sequence learning and recursion deficit in children with SLI: A neurocognitive triad”. Journal of Child Language Acquisition and Development (JCLAD), 2 (3), June 2014. ISSN 2148-1997

Madhu Sudarshan Reddy. B., Mahendra Kumar.N., and Sreedevi. N. (2014). Voice Onset Time across Gender and Different Vowel Contexts in Telugu. Language in India www.languageinindia.com ISSN 1930-2940, Vol. 14:12 December 2014

Malar, G., Sreedevi, N., & Suresh, B. (2013). Trends and Impact of Early Intervention for Communication Disorders at AIISH. *Journal of All India Institute of Speech & Hearing, Vol. 32, Pp* 172-182.

Maruthy, S., & Raj, N. (2014). Relationship between speech intelligibility and listener effort in individuals with hypokinetic dysarthria. *Speech, Language and Hearing, 17*(4), 237-245.

Maruthy, S., Marie Karla Mallet, & Rajashekhar, B. (2014). Comparison of Esophageal and tracheoesophageal modes in dual-mode alaryngeal speakers. *Journal of Laryngology and Voice, 4* (1), 6-12

Maruthy,  S., & Ravibabu, P.(2015). Comparison of Dysphonia severity Index in younger and older carnatic classical singers. *Journal of voice , 29, (1), 65-70*

Prema K.S.Rao (2014). Language, Literacy & Cognition: Issues for Research in Bilingual-Biliterate Context. Journal of Child Language Acquisition and Development (JCLAD), 2(4), 2014, 25-41( ISSN: 2148-1997).

Prema K.S.Rao (2015). Cognitive-communicative decline with aging: Do Speech-language Pathologists contribute to clinical decisions? Indian Journal of gerontology, 29 (1), pp. 1-22.

Prema K.S. Rao & Mekhala V.G. (2013). Assessment of Language Proficiency in Bilinguals: Relevance for Bilingual Education. JAIISH, 32, 2013, pp. 68-72

Prema K.S.Rao., Prarthana S., & Abhishek B.P. (2013). Bilingual lexical decision: Effect of language proficiency and primes. JAIISH, 32, 2013, pp. 73-81

Reeny, R., & Sreedevi, N. (2014). Emergence and patterns of Reduplicated and Variegated Babbling: A cross linguistic study. Journal of Child Language Acquisition and Development. Vol. 3, Issue 1, March, ISSN: 2148-1997.

Sangeetha, M. & Geetha Y.V. (2014). Phonetic environment of disfluencies in children with stuttering. International Journal on Disability and Human Development. pp 1-7.

Shishira, S., Sushma,S., & Sreedevi, N. (2015). True words, Proto Words and Holophrastic Words in Typically Developing Kannada Speaking Children: 12-18 months. Journal of Child Language Acquisition & Development, Vol. 3, No.1, pp 47-63.

Sreedevi, N., & Irfana, M. (2013). Frequency of occurrence of phonemes in Calicut and Ernakulam dialects of Malayalam. *Journal of All India Institute of Speech & Hearing, Vol. 32.*

1. **Papers published in national and international proceedings**

 Dhatri S Devaraju, Santosh M & Ajith Kumar (2015) Brainstem encoding of dynamically changing virtual pitch in adults who do and do not stutter, Abstract published in proceedings *ISHACON – 47, 1-3 January,2015, Manipal*

Geetha Y. V., Sahana V & Akshatha V. (2015) Effects of altered auditory and sensory feedback on stuttering, Abstract published in proceedings *ISHACON – 47, 1-3 January,2015, Manipal*

Irfana, M & N Sreedevi (2014). Transition of coarticulation from prelinguistic to early linguistic period. Proceedings of NSA 2014, AIISH, Mysore. 12-14 Nov 2014, 29-30.

 Rahul & Hema, N. (2014). Benchmark for Speaker Identification Using Linear Prediction Cepstral Coefficients (LPCC) on Vowels in Kannada Language: A Preliminary Study. Proceedings of NSA 2014, AIISH, Mysore

Renuka C. & Prema Rao (2014). Tech-based bilingual lexicon for children with Hearing Impairment. In the proceedings of Two-day International Conference on strategies for social and sustainable advantage in globalized era, vol. 5, pp.812-816.

Renuka C. & Prema K.S. Bilingual lexicon for children with Hearing Impairment: Boon with Android application. In the Proceedings of the Swadeshi Mahila Vigyan Andolana, Bijapur hled on 7-8 November, 2014.

Sreedevi, N & Jyothi, S. (2013). Phonetic characteristics in Babbling. *Language & Linguistics, Proceedings of 39th All India Conference of Dravidian Linguistics, 293-306, ISBN 978-81-922258-7-6.* 293-306

Swapna, N. Prema. K.S. & Geetha, Y. V. *Digital tutorial to facilitate pre-reading skills.*National Convention of Educators of the Deaf, held at Bhubaneshwar, Odisha, from 6th to 8th Jan 2015.

1. **Books Published : Nil**
2. **Book Chapters Published**

**Dr. Y.V. Geetha**

Evaluation and assessment of stuttering: Differential diagnosis – Chapter submitted for publication in ISHA sponsored book on Stuttering

Spontaneous recovery and relapse of stuttering – Chapter submitted for publication in ISHA sponsored book on Stuttering

1. **Books in Press : Nil**
2. **Books / Manuals / Seminar Proceedings edited**

**Dr. K.S. Prema**

Scripts for resource books, video modules, telelessons, success stories and communication disorders awareness snippets are being developed and edited to meet CREDM objectives

1. **Journal Editorship: Nil**
2. **Scholarly Reviewing Activities**
3. **Journal Articles**

**Dr. Y.V. Geetha**

Reviewed 2 papers for JAIISH

**Dr. K.S. Prema**

Review of scientific article for Journal of All India Association for Educational Research

 **Dr. N. Sreedevi** Reviewed 3 articles for JAIISH.

**Dr. M. Santhosh**

Reviewed articles for JAIISH

Reviewed an article for Asian Journal of Psychiatry

Reviewed article for JISHA

 **Dr. T. Jayakumar**

Reviewed one article for JAIISH

1. **Conference Papers**

**Dr. Y.V. Geetha -**Reviewed 2 abstracts for ISHA

**Dr. N. Sreedevi -** Reviewed 2 abstracts for ISHA

**Dr. M. Santhosh -** Reviewed 3 abstracts for ISHA

**Mr. Rajasudhakar.R. -** Reviewed 5 abstracts for ISHA

 **Dr. Hema. N -** Reviewed 2 abstracts for ISHA

1. **Research Projects**

 **Dr. K.S. Prema**

 Reviewed three ARF project report

 **Dr. Y.V. Geetha**

Reviewed three ARF project report

 **Dr. N. Sreedevi**

Reviewed three ARF project reports

Reviewed one thesis report from Kannur University

 **Dr. M. Santhosh**

 Reviewed 3 ARF projects

1. **CLINICAL SERVICES**

**A) General Clinical Services - Nil**

**B) Specialized Clinical Services**

1. **Professional Voice Care Unit**

- Organized World Voice Day on 16th April 2014

- Client statistics: **13**

1. **Unit of Human Genetics:**  Instruments procured
2. Ice Flaking Machine
3. Veriti Thermal Cyclers
4. Gel documentation and Analysis System
5. Nichipet Pipettes
6. Eppendorf Pipettes – Ex Series
7. Agilent Bio-analyzer
8. Agilent Thermal Cycler
9. Dry Bath Incubator
10. Stirring / Circulating Hot water Bath
11. Hot Air Oven
12. Real Time PCR
13. -40°C High Performance Vertical Deep Freezer
14. Table Top Refrigerated Centrifuge (4x180ml)
15. ELISA micro plate reader with option for low volume sample analysis
16. Type I and Type II Water Purification System
17. Refrigerated Centrifuge with Rotor (4x750 ml) Thermo Scientific Sorvall Legend XTR Centrifuge
18. ION PROTON Sequencer and 3500 Genetic Analyzer

**C) Clinical Support Services to Patients and Family**

1. Counseling and Guidance : Genetic counseling done for 2 cases
2. **Extension Activities**
3. Rehabilitation & Education through Distance Mode **: Nil**
4. Prevention of Communication Disorders **: Nil**
5. Communication Disorders Screening Camps: Mr. Abhishek B.P. Attended camp at Hospet on 26th June, 2014.
6. **Orientation Programs:**

|  |  |
| --- | --- |
| **Theme / Topic of the Program** | Voice Conservation Program (5 programs) |
| **Coordinators** | Dr. Y.V. Geetha, Mr. R.Rajasudhakar & Dr. T. Jayakumar  |
| **Objectives** | To create awareness on voice conservation |
| **Target Audience**  | B.Ed. students from various Colleges of Mysore  |
| **Number of Participants** | 367 (5 programs) |
| **Date** | 16.4.2014, 23.9.2014, 28.10.2014, 29.1.15 & 24.2.15 |

1. **Public Lecture Series:**

***Mr. Abhishek B.P.*** Lecturer in Speech Sciences (on contract) delivered monthly lecture series on ***Articulation disorders in children*** on ***26th April 2014***.

***Dr. T. Jayakumar***, Lecturer in Speech Sciences, delivered monthly lecture series on ***Voice and Voice Care*** on ***26th June 2014***

1. **Technological Consultancy Services**

Forensic speaker verification analysis done for 6 cases

1. **Central Facilities**
2. Library and Information Services**: Nil**
3. Public Information Activities
4. Major Events of the Year with a brief account
5. Press Releases and Media Coverage
6. Institute Publications: Nil
7. Materials Development**:**

**Dr. N. Sreedevi**

Developed the software “CAPP-K” for testing children with speech sound errors under ARF Project.

**Dr. K.S. Prema**

Web-based Bilingual Proficiency Software (Kannada-English)

**Dr. Y.V. Geetha**

Coordinated the Translation of 3 PVC handouts in Kannada

1. **Awards and Honors Received by Faculty and Staff**
* ***Dr. K.S. Prema*** Received Dr. N. Rathna Oration Award, 2015 at ISHACON 47 held at MAHE, Manipal, held from 1-3 January, 2015.
* Swapna, N., ***Prema K.S.Rao & Geetha Y.V***. Received Dr.Annapurna Memorial Award for best paper on Technological Development for PWD’s at National Convention of Education of the Deaf (NCED), India held from 6-8 January, 2015 at Bhubaneswar, Odisha for the paper “Digital tutorial to facilitate prereading skills”.
1. **Extra Curricular Activities**
2. AIISH GYMKHANA
3. NSS
4. Others

1. **Major Events**
2. **Eminent Visitors**
* Mr. K.K. Gel, Under Secretary visited the department on 26.6.2014.
* Dr. A.K. Panda, IAS, Addl. Secretary (Health), MH&FW, GOI, New Delhi on 9th August 2014
* Prof. Mrs. Sudesh Mukhopadhyay, Chairperson, RCI, New Delhi on 9th August 2014
* Prof. Gautam Biswas, Director, IIT, Guwahati on 9th August 2014
* Dr. Sunil Kumar Singh from RBSK visited the department during December 2014
* Prof. Ulrike and team from University of Leibniz visited the department on 23.1. 2015
1. **Any Other: Nil**

HOD – Speech-Language Sciences