(Front Cover Page)

**Annual Report**

**2010-11**

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**AIISH**

All India Institute of Speech and Hearing

(An Autonomous Institution Under Ministry of Health & Family Welfare, Govt. of India)

Mysore-6

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(Title Page)

**Annual Report**

**2010-11**

**All India Institute of Speech and Hearing, Mysore**

**An Autonomous Institution Under Ministry of Health & Family Welfare**

**Government of India**

(Back of Title Page)

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**OBITUARY / DEDICATION**

**It is with deep sorrow that we mourn the sad demise of our former Director, Dr.Vijayalakshmi Basavaraj, who left us on 19th March 2011. As the Director of the institute, she contributed immensely towards its progress and development.**

**We dedicate the 46th Annual Report of the institute to Dr.Vijayalakshmi Basavaraj with deep appreciation of her bold leadership, unyielding passion for success and outstanding commitment which helped to fortify the institute’s position as the national leader in the area of Speech and Hearing.**

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About the Institute

Communication disorders are difficulties involving speech, language and or hearing, which have been accepted as a major public health issue as they compromise early childhood development, restrict vocational attainment and attenuate the economic well-being of the society.

The All India Institute of Speech and Hearing (AIISH), Mysore is the foremost organization in the country, mandated to help and support people with communication disorders. Founded in 1965 as an autonomous institute under the Ministry of Health and Family Welfare, Government of India, AIISH has been successfully carrying out its activities for the last forty six years. In pursuit of its mission of ensuring ***effective communication by one and all***, the institute

1. generates and prepares knowledgeable and skilled practitioners in Speech - Language Pathology and Audiology and allied fields, who can provide state-of-the art, client-centred service in multiple settings.
2. conducts both basic and applied research in areas related to communication disorders and disseminates the findings among the local, national and international audiences,
3. provides affordable, accessible and high-quality speech, language, and Hearing clinical services to the needy ones, and
4. develops, implements and evaluates education and outreach programs to address the prevention, intervention and control of communication disorders.

Started as an institute to train the postgraduate students in Speech and Hearing, today AIISH has grown into the largest institute in the country offering various diploma, graduate, postgraduate, PG Diploma, doctoral and post doctoral programs in the field, in addition to rendering clinical services to thousands of persons with communication disorders from all over the country and conducting multi-faceted research to find solutions to the challenges of communication disorders. All these activities are spearheaded by the experts working in 11 departments of the Institute namely Audiology, Centre for Rehabilitation Education through Distance Mode, Clinical Psychology, Clinical Services ,Electronics, Otorhinolaryngology, Prevention of Communication Disorders, Special Education, Speech-Language Pathology and Speech-Language Sciences.

The institute has been recognised as a Centre of Excellence in the area of deafness by World Health Organization (WHO), as a Centre of Advanced Research by University Grants Commission (UGC) and as a Science & Technology Institute by Department of Science and Technology (DST), Government of India.

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Message from the Director

I am proud to present the 46th annual report of All India Institute of Speech and Hearing. This report briefly outlines the activities performed by the institute in 2010-11.

At the outset, I report the untimely demise of Dr. Vijayalakshmi Basavaraj on 19th March 2011, while she was serving the Institute as its Director. I wish to place on record my heartfelt sorrow and grief over her death and appreciate the fact that most of the activities of the institute during the year under report, were taken place during her tenure. She played a pivotal role in leading the institute towards attaining the status of super speciality centre of excellence and added a dynamic dimension to the functioning of the institute.

Past year, the institute continued to be committed to the training, research and patient care, and public education activities pertaining to the field of speech, language and hearing and allied sciences and it was another successful year during which AIISH moved forward both by expanding its existing activities and initiating new ones.

The institute strengthened its academic activities by inducting more number of faculty members and incorporating state-of-the art instructional technologies. Further, it enriched the academic offerings by introducing a new program entitled ‘Post-Graduate Diploma in Neuro-audioolgy’.

During the year under review, the institute witnessed active research works by the faculty and students on an impressive range of topics related to communication disorders. More than 70 research projects, both extramural and intramural, undertaken by the faculty were progressing smoothly in various departments and clinics. The faculty members had published more than 40 research papers in national and international journals and presented 45 papers in national and international conferences/seminars. In addition to these, they had contributed to the field, by way of members of various scientific committees, and peer reviewing journal articles for reputed journals and writing books.

It is very gratifying to report that last year we served at the institute, more than 50,000 patients with communication disorders from all over the country, which is considerably higher than that of 2009-10. Further, we augmented our specialised clinical services by launching two more clinics namely vertigo clinic and fluency clinic. Also................Under the outreach clinical service program, we served more than 13,000 patients and their families through our clinical centres located in different rural areas. In addition to it, we delivered tele-diagnosis and web-based clinical services to hundreds of persons all over the country.

\* About public education .................................................... camps

Another highlight of the year was the recruitment of 43 regular and 156/163 contract staff to various services of the institute, the highest figures in the history of the Institute. The act contributed to speed up the overall activities of the institute.

Many other positive developments took place in the institute during the year. The noteworthy among them include successful organization of 12 monthly public lectures on various topics, purchase of many sophisticated scientific equipments, procurement of E-books and bibliographic databases and construction of new buildings and renovation and retrofit of old ones.

All the activities performed and all the achievements made during the year under review were due to the dedication and commitment of our staff at all levels, who contributed to the success of this prestigious institution in so many ways. While there are challenges ahead, I am confident that together we will meet those challenges and continue to improve the institute and services we provide to the people with communication disorders.

Dr.S.R.Savithri

(Director)

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Key Events in a Nutshell

A brief account of major activities took place in the institute during the year under report are mentioned below.

1. **Launching of Vertigo Clinic**

The department of Otorhinolaryngology started a specialized clinic for the diagnosis and treatment of vertigo, a disorder related to balance and equilibrium. Dr. Anirban Biswas, Neurotologist and President, Association of Otolaringologists of India, inaugurated the clinic on 22.10.2010 and delivered a lecture on management of vertigo, on the occasion. Dr. Geetha Avadhani, Professor & Head, Department of General Surgery and Medical Superintendent, K.R. Hospital, was the Guest of honor.

1. **Opening of ‘LiBoToy’**

The department of Special Education has opened a new resource centre for the children with special needs, called ‘LiBoToy’ ( Library of Books and Toys). The facility was formally launched by Mr.Keshav Desiraju, Additional Secretary, Ministry of Health and Family Welfare, on 8th October 2010. LiBoToy constitutes various toys of different textures and sizes suitable for 0-6 years age group children. The library also has talking books and compact discs to cater the needs of children with communication disorders as well as typically developing children.

1. **Inauguration of Fluency Unit**

Dr.V.N.Rajasekaran Pillai, Vice Chancellor, Indira Gandhi National Open University, inaugurated the fluency unit at the Department of Clinical Services through video conferencing on 9th August, 2010. Ramachandra Shetty, Vice Chancellor of Rajiv Gandhi University of Health Science, Bangalore and K.S.Rangappa, Vice Chancellor of Karnataka State Open University were present on the occasion. It imparts training to students and provide clinical services to clients with fluency disorders and enables the professionals to conduct research on neuroanatomical, neurophysiological and genetic aspects of fluency disorders. The unit also includes group therapy which caters to the needs of persons with stuttering and other fluency disorders.

1. **Launching of re-designed website**

The newly upgraded website of AIISH with improved technical and editorial quality was launched by Dr. V.N.Rajasekaran Pillai, Vice Chancellor IGNOU on 9th August 2010. Developed with adherence to the guidelines of Government of India Standards, AIISH Website is an outstanding source of information expanding to 322 pages in English, Hindi and Kannada with content management system to facilitate automatic uploading of notifications, tenders and job announcements. The website has got an exclusive subpage which provides access to all public education pamphlets prepared at AIISH for the benefit of persons with communication disorders as well as their caregivers.

1. **Foundation stone laying ceremony**

The foundation stone laying ceremony for new audiometric block and Quarters was inaugurated by Dr.R K Srivastava, Director General of Health Services through video conferencing on 30th June 2010. He said that attempts should be made to reach out to more people as the services in these areas have not reached the target groups as expected.

1. **Annual All India DHLS coordinators meet**

Coordinators of 12 DHLS centres all over India attended the meeting which was held on 1st July 2010. The coordinators discussed development of libraries at each centre,expansion activities of new born hearing screening and unit for early intervention of communication disorders, DHLS process evaluation report, translation of self learning materials of DHLS course to different regional languages and future plans for introduction of E-MASLP course through video conferencing, besides other issues.

1. **Inauguration of Gents Hostel**

The newly constructed gents hostel, 'Bodhi' was inaugurated by Dr. E. V Ramana Reddy, Secretary, Department of Health and Family Welfare,Goverment of India on 18th September 2010. He requested the students to stay back in India and serve the society. He expressed the need for providing attractive incentives to Speech-Language Pathologists and Audiologists, so that the pull factor would ensure them to retain in the country.

1. **International Stuttering Awareness Day**

International Stuttering Awareness Day was celebrated on 22nd November 2010 organized by Dept of Clinical services. Around one hundred and fifty participants attended the program. The participants included D.Ed trainees from two different colleges, Somani D.Ed College, DIET, Mysore as well as children and adults with stuttering who have availed clinical services at AIISH. The program was inaugurated by Brahma Kumari vani, Brahma Kumari Vishwa Vidyalaya, Srirampura, Mysore.

Launching – PG Diploma in Neuro-Audiology

Inauguration of International Guest house

NSS Camp

3

Academic Accomplishments

AIISH offers a diversified academic programs ranging from diploma to post-doctorates designed to meet the ever-increasing requirements of skilled and specialised manpower in the area of Communication Disorders.

**1. Academic Programs Offered**

Last year, the institute offered three diploma, three post-graduate diploma, two under-graduate and three post-graduate degree programs. These are in addition to the two doctoral and one post-doctoral programs. The courses had the approval of the University of Mysore/Rehabilitation Council of India. Of these 14 programs, Diploma in Hearing, Language and Science (DHLS) was offered in 12 centres across the country and classes were conducted through video conferencing. Table 1 shows the details of the programs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No** | **Name of the programme** | **Duration** | **No. of seats available** | **No. of intake** |
|  |  |  |  |  |
|  | Diploma (HA & ET) | 1 year | 25 | 4 |
|  | DTY(DHH) | 1 year | 20 | 8 |
|  | DHLS (AIISH, Mysore) | 1 year | 25 | 6 |
|  | DHLS (Puducherry Center) | 25 | 18 |
|  | DHLS (Imphal, Center) | 25 | 17 |
|  | DHLS (Mumbai Center) | 25 | 14 |
|  | DHLS (Delhi Center) | 25 | 14 |
|  | DHLS (Shimla Centre) | 25 | 4 |
|  | DHLS (Ranchi Centre) | 25 | 14 |
|  | DHLS (Cuttack, Centre) | 25 | 18 |
|  | DHLS (Ajmer Centrer) | 25 | 13 |
|  | DHLS (Lucknow Centre) | 25 | 21 |
|  | DHLS (Jabalpur Centre) | 25 | 23 |
|  | DHLS (Bhagalpur Centre) | 25 | 25 |
|  | BASLP | 4 years | 62 | 61 |
|  | B.S.Ed. (Hearing Impairment) | 1 year | 20 | 3 |
|  | PGDFSST | 1 year | 10 | 4 |
|  | PGDCLSLP | 1 year | 10 | 3 |
|  | PGDNA | 1 year | 10 | 8 |
|  | M.Sc. (Speech-Language Pathology) | 2 years | 36 | 36 |
|  | M.Sc. (Audiology) | 2 years | 36 | 36 |
|  | M.S.Ed. (Hearing Impairment) | 1 year | 20 | 3 |
|  | Ph.D. (Audiology) | 3 years | 4 | 2 |
|  | Ph.D. (Speech-Language Pathology) | 3 years | 4  (backlog-3) | 7 |
|  | Post Doctoral Fellowship | 2 years | 2 | - |
|  | **Total:** |  | **562** | **362** |

Table 1

**New Academic Program**

A new program titled ‘Post-Graduate Diploma in Neuro-audioolgy’ with a duration of one year was launched last year. Neuroaudiology is a specialized branch of Audiology that deals with the structure, function and disorders of auditory neural pathway and the allied neural network. The course objectives include provision of specialised training focussed on assessment of auditory neural processing and its dysfunctions and promotion of interdisciplinary research activities in the area of Neuro-audiology.

**2. Admission and Enrolment**

Admissions to Bachelor’s degree in Audiology and Speech Language Pathology, Master’s degree in Audiology and Master’s degree in Speech Language Pathology were based on the merit obtained in the national level entrance examination conducted by the Institute. Admission to all the diploma and post-graduate diploma courses, bachelor’s and master’s degrees courses in Special Education were done based on the merit of qualification examinations. Students were admitted to Ph.D and Post – Doctoral program based on interview and merit in the qualifying examination.

Last year, 482 students appeared for the B.Sc (Speech and Hearing/Sp & Hg) entrance examination conducted at Delhi, Kolkata, Guhavati, Mumbai, Chennai and Mysore. Entrance examinations to admit M.Sc in Audiology and M.Sc in Speech - Language Pathology held at Mysore were attended by 215 and 227 students, respectively.

Totally 362 students were admitted to various programs last year and among them 195 were girls. The program with highest number of intake at AIISH campus was BASLP with 62 students followed by M.Sc (Speech - Language Pathology) and M.Sc (Audiology) with an intake of 36 students each. 187 students were admitted to the Diploma in Hearing, Language and Speech in 12 study centres across the country. The complete details of the students admitted to each course are given in Table 2. State-wise distribution of students is shown in figure 1.

Table 2.

.................................................................

**Figure 1. State-wise distribution of Enrolled Students**

**Academic Awards**

The institute achieved spectacular results in the final examinations conducted last year with 100 percent pass in DHA & ET, DTYHI, PGDCL, PGDFSST and M.Sc Audiology examinations. For all other examinations, the pass percentage is 75 or more. The details of academic degrees awarded last year are given in table 3.

**Table 3:** Academic Awards 2010-11

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Programme** | **No of students appeared** | **Overall pass** | **Percentage** |
| 1 | DHA & ET | 4 | 4 | 100% |
| 2 | DTYHI | 2 | 2 | 100% |
| 3 | DHLS | 187 | 151 | 80.74% |
| 4 | B.Sc. (Sp. & Hg.) | 38 | 35 | 90% |
| 5 | B.S.Ed. (HI) | 5 | 4 | 95% |
| 6 | PGDCL | 2 | 2 | 100% |
| 7 | PGDFSST | 3 | 3 | 100% |
| 8 | M.Sc. (Audiology) | 35 | 35 | 100% |
| 9 | M.Sc. (SLP) | 36 | 32 | 90% |
| 10 | M. S. Ed. (HI) | 4 | 3 | 75% |

**Internship**

Fifth batch of internship students successfully completed their internship training for a period of ten months, during the reporting year. The training enabled the students to transfer their theoretical knowledge to clinical practice. Their posting in centres/institutions outside AIISH provided them with greater exposure to clinical population and settings different from that of AIISH. Internship students were actively involved in the outreach programs of the institute.

**Stipend and Other Financial Assistance**

The institute provides stipend to all the eligible students pursuing various courses. The details of stipend issued last year, are given in table 4.

Table 4 : Course-wise stipend

|  |  |  |
| --- | --- | --- |
| **Sl.No** | **Name of the Programme** | **Stipend per month**  **(in Rs.)** |
| 1 | Diploma programmes | 250.00 |
| 2 | B.Sc. (Sp. & Hg.) | 400.00 |
| 3 | B.Sc. (Internship) | 1500.00 |
| 4 | B. S. Ed. (HI) | 400.00 |
| 5 | M.Sc. (Audiology) | 650.00 |
| 6 | M.Sc. (SLP) | 650.00 |
| 7 | M.S.Ed. (HI) | 650.00 |
| 8 | PG Diploma programmes (PGDCL-SLP & PGDNA) | 500.00 |
| 9 | Ph. D. (1st and 2nd year) | 14000.00 + HRA |
| 10 | Ph. D. (3rd year) | 15000.00 + HRA |
| 11 | Post Doctoral Fellowship | 18750.00 + HRA |

Apart from this, students were also given financial assistance to attend and present papers at various national and international seminars. Ms. M.S. Deepa, Doctoral student received fellowship from DST to attend an International Conference (details .........), last year.

**In-house Training Programs**

The departments and sections of the institute conducted in-house training programs to apprise the staff and students of various topics and matters related to speech and hearing and allied fields which help them to widen the knowledge base and excel in professional performance.

Previous year, 14 such in-house training programs were organised by the departments of Audiology, Clinical Services, Special Education, Speech - Language Pathology, Speech - Language Sciences and the Academic section of the Institute.

**Short-term Training/Orientation Programs**

The institute conducts short-term training and orientation programs designed to impart job skills to the professionals working in the area of communication disorders and allied fields and acquaint them to various tools and techniques. The scope of the programs also include instructing the care givers and patient supporters including family members on matters related to caring people with communication disorders .

During the preceding year, different departments of the institute successfully conducted 47 such training programs under the supervision and co-ordination of faculty members, in which 287 persons were trained. The participants included teachers, professionals and students in speech and hearing and allied health institutions elsewhere in the country, care givers, supporters and parents of children with communication disorders.

**Workshops/Seminars/Conferences**

In addition to the in-house training programs and short-term training programs, the institute also conducts professional workshops, seminars and conferences pertaining to various aspects of Communication disorders and related areas. We organised 17 such programs previous year and 1395 professionals from across the country attended them. A few among them are given below.

* *Professional Voice: Assessment and Management,* national levelworkshop organised by theDept. of Speech - Language Pathology under the co-ordination of Dr.S.R.Savithri to provide hands-on experience in Assessment and Management of Professional Voice. The program was held on 9 - 10 December, 2010 which was attended by 200 Speech - Language Pathologists from across the country.
* *National Seminar on Paediatric Hearing Assessment and Rehabilitation* organised by the Department of Audiology under the co-ordination of Dr. P. Manjula, and Ms. Geetha, C to provide the audiologists information regarding identification, assessment, & rehabilitation of children with hearing loss.The program was held on 16th and 17th December, 2010 which was attended by 34 audiologists across the country.
* *Clinical research methods in communication disorders,* a workshop organised by theDept. of Speech Language Pathology under the co-ordination of Dr. M. Pushpavathi to provide insight on the different research methodology applied in the field of communication disorders. The program was held on 16 - 17 December, 2010 which was attended by 80 postgraduate students, research scholars and faculty members of the institute.
* *Introduction to Matlab,* a workshop organised by the Dept. of Electronics under the co-ordination of Sri. N. Manohar to train Professionals and students in the area of Speech and Hearing on the signal generation and processing tools available in Matlab. The program was held on 27- 28 March, 2011 which was attended by 80 speech and hearing professionals.

**Faculty**

Given the necessity of quality assurance in academic activities, more teaching faculty were recruited last year to cater for the growing student population. By the end of the fiscal year, the institute had faculty strength of 51. This includes, 43 regular and 10 contract faculty. Category-wise, there were 27 lecturers, 7 readers and 9 professors. The size of faculty grew from 34 in 2009-10 to 51 in 2010-11.

Expertise in allied area such as Paediatrics, Pathology, Neurology and Genetics were augmented by inviting faculty from other premier institutions such as K. R. Hospital, Mysore; JSS Medical College, Mysore; BGS Apollo Hospital, Mysore who imbibed the students with their expert knowledge. Six guest faculty members belonging to allied area delivered their lectures last year.

**Guest Lectures Delivered by the Visiting Experts**

Many experts in speech and hearing and allied fields working in different organization world over visited the institute and delivered lectures on various topics, last year. They include:

|  |  |
| --- | --- |
|  | Dr. G.N. Rangamani, Visiting Full-Bright Scholar, St. Cloud State University, U.S.A. |
|  | Dr. D.S. Guru, Associate Professor, Dept. of Computer Science, University of Mysore, Mysore |
|  | Dr. M D. Ravi,Professor of Paediatrics & Vice Principal Clinical, JSS Medical College |
|  | Dr. T. K. Parthasarathy Prof. & Chair, Dept of Special education, Southern Illinois University |
|  | Mr. Apurv Kumar Clinical Specialist, Cochlear, Bangalore |
|  | Dr. M.V. Kirtane, Prof. Emeritus, ENT Consultant at Hinduja Hospital, Mumbai. |
|  | Dr. Pranesha Rao--------------------------- |
|  | Dr. Sivaratnamma L Vaya, Director, Institute of Behavior Sciences and Directorate of Forensic Sciences, Gandhi Nagar, Gujarat |
|  | Ms. Rajashree Sree Rangarajan, Senior SLP, HOD speech pathology, Palo Aleo, California,USA |
|  | Ms. Jyothi Murthy, Speech-Language Pathologist and Coordinator of Speech Language Services, TIEE, California,USA.Dr. Giri HegdeProf. Emeritus of Speech Language Pathology, California State University, Fresno, USA. |
|  | Mr. Milind Sonawane , Speech - Language therapist , Ireland. |
|  | Dr. Suma P.Bhat, Post-doctoral researcher in the Beckman Institute at the University of Illinois, Urbana-Champaign and Consultant for Educational Testing Services, Princeton, USA |

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Research Highlights

All India Institute of Speech and Hearing is the leading organization in the country in conducting both basic and applied research related to speech, language and hearing and related fields of knowledge. Research activities of the institute comes under two broad categories: (a) Faculty research. (b) Student Research.

1. **Faculty Research**

There are three types of faculty research

1. Extramurally Funded Research
2. Intramurally Funded Research
3. Non-Funded Research

Extramurally Funded Research projects are sponsored by national and international agencies like Department of Science & Technology and World Health Organization. During the year under report, 4 projects were successfully completed by the faculty and staff under extramural fund and 4 projects were going on. The completed projects are:

1. Issues and strategies for development of human resources for deafness prevention, identification and management. A World Health Organisation sponsored project work under the supervision of Dr. Vijayalakshmi Basavaraj, Director and Dr. Manjula P, Professor in Audiology.
2. Comparative efficacy of BTEs over body level hearing aids in the development of speech and language among the hearing impaired children. A DRC (S&T) sponsored project work under the supervision of Dr. M. Jayaram, Professor in Speech – Language Pathology and Audiology, NIMHANS, Bangalore and Dr. Manjula P, Professor in Audiology.
3. Design and Development of Speech Enhancer.A project work sponsored by the Society for Biomedical Technology under the supervision of Dr.Ajeesh K.Abraham,Reader in Electronics.
4. Support for the dissemination and use of hearing aids. A World Health Organisation sponsored project work under the supervision of Dr. Vijayalakshmi Basavaraj, Director and Dr.Manjula P, Professor in Audiology.

Intramurally funded research projects are funded by the institute through the AIISH Research Fund (ARF).During the year under report, the institute faculty successfully completed 14 research projects under ARF fund and 58 projects were going on. Some of completed projects are:

1. Development and Standardization of Boston Naming Test in bilinguals (Kannada - English and Telugu – English)/A project work under the supervision of Dr.K.C.Shyamala, Professor, Speech - Language Pathology.
2. Development of Consumer Satisfaction Inventory/ A project work under the supervision of, Dr. Y.V. Geetha, Professor, Speech - Language Science.

The ongoing projects included the following :

In addition to the intramurally and extramurally funded projects, the faculty members also conduct a number of non-funded research projects. By the end of the year under report, 6 non-funded projects were going on in different departments. These include:

1. Establishment of speech and language database. A project under the supervision of Dr. Prema K.S, Professor, Speech Language Science.
2. Development of multilingual lexical corpora. A project under the supervision of Dr. Prema K.S, Professor, Speech - Language Pathology

**2. Student Research**

Two categories of student research are being carried out at the institute under the supervision of experienced faculty members. These include:

1. Doctoral and Post-doctoral Research, and (b) Postgraduate Research

**2.1 Doctoral and Post-doctoral Research**

By the end of the reporting year, two students were awarded doctoral degree, four submitted their research report for evaluation and 22 others were pursuing their research in the institute. In addition, one student was doing his post-doctoral research.

**2.2 Postgraduate Research**

All the students pursuing their postgraduate degree under various specialisation in the institute have to undertake a research project / dissertation as a part of their course work. --- postgraduate dissertations were completed and --- were under progress by the end of last year.

In addition to the postgraduate research works, the institute provides facility and guidance for carrying out graduate research works in related areas to the student studying in other institutions. Last year, 12 B.Tech students from various Engineering colleges did their graduate dissertation works at the Department of Electronics under the guidance of department faculty.

**Research Paper Presentation**

Faculty members, staff, research scholars and students present research papers at national and international conferences.

33 papers were presented at various national and international conferences, last year which include the following

International Conferences / Seminars.

1. Deepa M.S & Shyamala, K.C. Generative discourse production: Assessment and functional Maintenance plan for bilingual (Kannada –English) persons with dementia. 4th Annual conference “coming of age: dementia in 21st century” at University of Stirling, Excel, London, United Kingdom from 19th to 24th October 2010.
2. Gopi Kishore, P., Remya H Y, Ranjini G.C, Kanthima V Namboothiri. Efficacy of voice therapy in sulcus vocalis: A single case study. FRSM/CMMR ...................
3. Rajasudhakar, R. & Nirmal Sugathan. Acoustic vowel space in individuals with Broca’s aphasia. International Symposium on Frontiers of Research on Speech and Music (FRSM-2011), Bhuvaneshwar, February 2011.
4. Rajasudhakar, R., Baljeet Rana & Nayana. Variability of fundamental frequency under voice disguised condition. International Symposium on Frontiers of Research on Speech and Music (FRSM-2011), Bhuvaneshwar, February 2011.
5. Rajasudhakar, R., Sachin, L. C. & Somy E. Sam. Measurement of time dose in different professions. International Symposium on Frontiers of Research on Speech and Music (FRSM-2011), Bhuvaneshwar, February 2011.
6. Savithri, S.R., Sreedevi, N., Aparna, V.S & Deepa Anand. Effect of gender on speech rhythm in 3-4 year old Kannada speaking children. Frontiers of Research in Speech & Music (FRSM/CMMR) 2011.
7. Savithri, S.R., Sreedevi, N., Aparna, V.S & Deepa Anand. Speech rhythm in 11-12 years old Kannada speaking children. Frontiers of Research in Speech & Music (FRSM/CMMR) 2011.
8. Swapna, N., Manju, M & Swapna, N. Verbal perseveration in Malayalam-English bilingual elderly individuals. 8th Asia Pacific Conference on Speech, Language & Hearing held between 11th - 14th January 2011,Christchurch New Zealand.
9. Swapna, N., Shylaja, K & Swapna, N. Nonword repetition in children with specific language impairment: An exploratory study. 8th Asia Pacific Conference on Speech, Language & Hearing held between 11th - 14th January 2011,Christchurch New Zealand.

National Conferences / Seminars / Workshop

1. Ajish K Abraham. Assistive Device for museum Access to Persons with hearing impairment. National Conference on “Emerging Medical Instrumentation” (CEMI-2010).
2. Aswathy. “National Seminar on Language Acquision or Learning” paper titled as Hearing Impairment and Agrammatism.
3. B Nandeesha. Information Literacy Meet Web 2.0: How the New Tools Influence our Own Training and Teaching. National Seminar on Management of Digital Information Sources, Services and Systems, organized by RNS Institute of Technology, Bangalore, from 29th to 30th July 2010.
4. Dhananjay, R & Sujeet Kumar Sinha. Brain-stem correlates of temporal processing in middle aged individuals: A preliminary study. ISHACON43 at Kolkata held on 21-23.01.11
5. Dr. S. Venkatesan. Invite Lecture on ‘Learning Disability: the continuing Challenge’ at National Seminar on Learning disability; Approaches, Challenges and Provisions in the department of Social Sciences, Lady Doak College, Madurai on 29-30.11.2010.
6. Dr. S. Venkatesan. ‘Counseling Issues’ at National Seminar on Multi-disciplinary Approaches to Disability Management in Faculty of Disability Management and Special Education, Ramakrishna Mission Vivekananda University, Kovai, TN on 18-20.6.2010.
7. Geetha, Y.V., Aishwarya Anand & Nisha Sudhi. Do children with stuttering vary in their rate of speech with respect to capacity (DDK) and performance (articulatory rate)?. ISHACON 43, Kolkatta. Jan 2011.
8. Hasna Fathima. “National Seminar on Language Acquision or Learning”. Paper was titled as Phonological activation during visual word recognition in deaf signers and hearing adults.
9. Jayashree. C. Shanbal., Sangeetha, G & Vrunda, C. Translation priming in bilingual children with learning disability. ISHA Con, Kolkata.
10. Jayashree. C. Shanbal., Sharon Susan Sam & Anjali Maratt. Diagnosing Learning Disabilities in Children: A Speech Language Pathologist Perspective. National Seminar on Language Acquisition/ Learning, Trivandrum, Kerala.
11. Jyothi., Kanchan & Sujeet Kumar Sinha. Test-retest-reliability of cochlear hydrops analysis masking procedure test. ISHACON43 at Kolkata held on 21-23.01.11
12. Manjula, R. Augmentative and Alternative Communication and Education. 3rd National conference of ISAAC India Chapter at IICP, Kolkata from 2nd to 4th Feb 2011.
13. Pushpavathi, M & Gopisankar. Nasalence value for Rainbow and Zoo passage of non native English speakers. INDO Cleft -2010 conference held at AIIMS, NewDelhi on 24.04.10.
14. Pushpavathi, M & Indu Thammaiah. Early intervention module for children with cleft palate . Indocleft -2011 on 30.1.11 at Chennai.
15. Pushpavathi, M Prevention of voice problems and maintenance of healthy voice. National workshop on Voice assessment and management held at AIISH from 9-10 of December.
16. Pushpavathi, M. Prosthodontic management of challenging cases with CLP. Indocleft -2011 on 29.1.11 at Chennai.
17. Pushpavathi, M. Speech Production. Indocleft -2011 on 29.1.11 at Chennai
18. Pushpavathi, M., Indu Thammaiah & Jasmine. Awareness of parents of CLP on the nature of Cleft palate. Indocleft -2011 on 30.1.11 at Chennai.
19. Santosh, M., Anusha, S. & Rajashekhar, B. Prevalence of voice problems in university teachers. 7th Annual Conference of Association of Phonosurgeons of India - PHONOCON 2011 from 25-27th Feb 2011, The Army Hospital (Research & Referral) New Delhi.
20. Shyamala, K.C. Assessment and Intervention approaches in PDD and ASD. National Seminar on Communication disorders in children and Dysphagia 4th – 6th, March, 2011, at Hyderabad.
21. Shyamala, K.C. Contemporary issues and Concepts of PDD & ASD. National Seminar on Communication disorders in children and Dysphagia 4th – 6th, March, 2011, at Hyderabad.
22. Sreedevi, N., Merin John & Nisha Sudhi. Sensitivity evaluation of CAPP-M in children with Hearing Impairment. ISHACON 43, Kolkatta. Jan 2011.
23. Swapna, N., Ansu, A Grace., Shylaja, K & Swapna, N. Nonword repetition in sequential and simultaneous bilinguals. Paper presented (Poster presentation) at the ISHA conference held at Kolkata on 22nd Jan 2011.
24. Vivek Mandal & Animesh Barman. On vestibular evoked myogenic potentials. ISHACON43 at Kolkata held on 21-23.01.11.

**Research Paper Publication: Journals**

Many faculty members and staff publish their research works in national and international journals. Six articles were published in international journals and 47 in national journals, last year. These are:

International journals:

1. Akshay Raj Maggu & Asha Yathiraj (2011). Effect of Noise Desensitization Training on Children with Poor Speech-In-Noise Scores. Canadian Journal of Speech-Language Pathology and Audiology, Vol.35, No.1, pp.56-63.
2. Jayakumar, T & Savithri S. R. (2011) Effect of Geographical and Ethnic Variation on Dysphonia Severity Index: A Study of Indian Population. Journal of Voice. (In press)
3. Manjula, R & Rupela, V. ( 2010). Diadochokinetic assessment in Persons with Down Syndrome. Asia pacific Journal of Speech. Language and Hearing. Vol 13 (2), pp 109-120.
4. Manjula, R, Rupela, V & Velleman, S.L. (2010). Phonological processes in Kannada speaking adolescents with Down Syndrome. Clinical Linguistics & Phonetics. Vol 24 (6), p 431-450.
5. Sujeet Kumar Sinha & Basavaraj, V. (2010). Speech Evoked Auditory Brainstem Responses: A New Tool to Study Brainstem Encoding of Speech Sounds. Indian Journal of Otolaryngology and Head & Neck Surgery, Vol.62(4), 395-399.
6. Venkatesan, S. (2010). Case Study on Cost Benefit Analysis for Government Sponsored Pension Scheme for Persons with Mental Retardation. Asian Journal of Developmental Matters .4.1.176-188

National Journals:

1. Garvita Mehta & Sandeep, M (2011). Neurophysiological representation of Hearing Aid Processed Speech, Journal of Indian Speech and Hearing Association, Vol.25(1), 49-58.
2. Kumari Apeksha &Devi N (2010). Effect of Sensorineural Hering Loss on Speech Evoked Aided Auditory Late Latency Response. Journal of All India Institute of Speech and Hearing, Vol.29(2), pp.241-247.
3. Sujeet Kumar Sinha & Vijayalakshmi Basavaraj (2010). Auditory Brainstem Responses to Forward and Reversed Speech in Normal Hearing Individuals. Journal of All India Institute of Speech and Hearing, Vol.29(2), pp.232-240.
4. Sujeet Kumar Sinha & Vijayalakshmi Basavaraj (2010). Lateral Asymmetry in Speech Processing at the Brainstem: Evidence from Speech Evoked ABR. Journal of All India Institute of Speech and Hearing, Vol.29(2), pp.101-109.
5. Varun Uthappa, Priyanka Shailat & Animesh Barman (2010). Relationship between OAEs and Behavioral Discrimination Ability of Normal Hearing Individuals. Journal of All India Institute of Speech and Hearing, Vol.29(2), pp.110-114.
6. Vijay Kumar Yadav Avilala, Prashanth Prabhu P, & Animesh Barman (2010). The Effect of Filtered Speech on Speech Identification Scores of Young Normal Hearing Adults. Journal of All India Institute of Speech and Hearing, Vol.29(2), pp.115-119.
7. Khoshali, A.K., and Venkatesan, S. (2010). Development of Play Activity Checklist for Children with Mental Retardation. Indian Journal of Clinical Psychology. 37. 2. 101-107.
8. Venkatesan, S., and Ravindranath, A. (2011). Depression in Institutionalized and Non-institutionalized Elderly. Journal of Indian Academy of Applied Psychology. 37. 1. 53-59.
9. Sudarshan, H.M., and Venkatesan, S. (2010). Marital Adjustment in Rural Women Identified With HIV/AIDS and Undergoing Anti Retro Viral Drug Therapy. Asian Journal of Developmental Matters. 4.2.51-60.
10. Venkatesan, S. (2010). Cultural Factors in Clinical Assessment: The Indian Perspective. Indian Journal of Clinical Psychology. 37.1.75-85.
11. Karimi, A., and Venkatesan, S. (2010). Psychometric Properties and Norm differences in Mathematics Anxiety Scale for High School Students in India. Asian Journal of Developmental Matters. 4. (1). 130-136.
12. Venkatesan, S., and Purusotham, P. (2010). Validation of Item Pool on Number Competencies in Preschool and Primary School Children. Disabilities & Impairments. 24.1. 5-12.
13. Govindaraju, R., and Venkatesan, S. (2010). Knowledge and Awareness in Teachers about Government Programs to combat School Drop outs. Journal of Indian Academy of Applied Psychology. 36. 2. 300-306.
14. Venkatesan, S., Pushpavathi, M., and Purusotham, P. (2010). Adjustment Patterns in Voice Disorders. Journal of Indian Association of Speech and Hearing. 25.1.21-30.
15. Venkatesan, S., Basavaraj, V., Vasanthalakshmi, M.S., and Purusotham, P. (2010). Pilot Study on Process Evaluation of DHLS Program Conducted through Real vis-à-vis Virtual Modes: 2007-08’. Journal of All India Institute of Speech and Hearing. 29, 2, 283-292.
16. Venkatesan, S. (2010). Indian Scales and Inventories: Revisiting Clinimetry through IJP. Indian Journal of Psychiatry. 52. Supplement. S54-61.
17. Venkatesan, S., Pushpavathi, M., and Purusotham, P. (2010). Adjustment Patterns in Voice Disorders. Journal of Indian Association of Speech and Hearing. 25.1.21-30.
18. Venkatesan, S., Basavaraj, V., Vasanthalakshmi, M.S., and Purusotham, P. (2010). Pilot Study on Process Evaluation of DHLS Program Conducted through Real vis-à-vis Virtual Modes: 2007-08’. Journal of All India Institute of Speech and Hearing. 29, 2, 283-292.
19. Khan, N.A.; Kanchan, A.; Singh, A: Senger, K.S, & Nag; AK (2010) ‘A Comparative Study of Neuro-Cognitive Impairment in Elderly Patients with Schizophrenia and Elderly Normals’. Eastern Journal of Psychiatry, pp60-63.
20. Khan, N.A.; Kanchan, A.; Jahan, M. & Singh, A.R. (Jan 2011). **‘**Human Figure Drawings of Normal Indian Adults’. *SIS Journal of Projective Psychology and Mental Health*; Volume 18; No. 1; 50-61.
21. Prakash R., Dubey I., Abhishek P., Gupta S.K., Rastogi P and Siddque S.V (2010) “Long-term Vihangam Yoga Meditation and Scores on Tests of Attention” Perceptual and Motor Skills, 2010, 110,3,1-10 (Co-author)
22. Shyamala, K.C, Vishnu, K.K, Arya Abraham & Sapna Bhat,(2010). Fast Mapping of Novel Words: A Cross-Linguistic Study. International Journal of Mind, Brain & Cognition, Vol 1 (1), pp 58-70.
23. Manjula, R & Priya M.B. (2010). Effect of posture on respiratory and phonatory measures in typically developing children: Implications in cerebral palsy. Journal of Indian Speech Language and Hearing Association, Vol 24(2), pp 109-120.
24. Pushpavathi, M, Chandrabose, Jocine Gloria., St Louis, Kenneth & Raoof, Shabina. (2010). Awareness of stuttering among prospective teachers of Mysore. Journal of All India Institute of Speech and Hearing, Vol.29 (2), pp.144-152.
25. Pushpavathi, M., Venkatesan, S. & Purushotham, K.(2011). Adjustment patterns in Voice disorders. Journal of Indian Speech and Hearing Association. Vol.25 (1) pp.21-31.
26. Brajesh Priyadarshi & Kartikeyan, B.M.(2010) Comparison of Coarticulatory Effects in speech of Tamil Speaking Children and Adults with Down’s Syndrome: An Acoustic Explanatory Study. Indian Linguistics: Journal of the Linguistic Society of India, Vol 71,pp 105-112.
27. Brajesh Priyadarshi., Shyamala. K. C., Basanti Devi & Vishnu.K.K.(2010). Comparison of Markedness of Lexical Semantic Abilities in Normal Children and Children with Hearing Impairment. Language in India. Vol 10(11), pp 398-408.
28. Jayashree.C. Shanbal., Chaithra,S & Prathima, S.(2010). Phonological awareness skills and reading in children who are at risk for learning disability: role in the indian context?. The Journal of All India Institute of Speech and Hearing. Vol29(2).
29. Swapna, N., Steby, S., Sindhupriya, C & Rupali, M.(2010). Cognitive-linguistic abilities in bilingual children. Journal of All India Institute of Speech and Hearing, Vol.29(1), pp1-11.
30. Swapna, N., Sushma, M., Amulya, P.R & Ranjini, M.(2010). Fast mapping in typically developing Kannada speaking toddlers. Journal of All India Institute of Speech and Hearing, Vol.29(1), pp.55-62.
31. Vijayalakshmi Basavaraj., Venkatesan, S., Vasantha Lakshmi, M.S & Purusotham, P.(2010). Pilot study on process evaluation of DHLS program conducted through real vis-à-vis virtual modes : 2007-08. Journal of All India Institute of Speech and Hearing. Vol.29, No.2,pp. 283-292
32. Vasudeva, R & Vasantha Lakshmi, M.S. (2009). Burr Distribution as limit distribution of Extremes of a random number of random variables. mySCIENCE. Vol 4(2), pp120-129.
33. Geetha, Y.V., Nisha Sudhi & Merin John. (2010). Age and Gender differences in Persons with Stuttering. Journal of All India Institute of Speech and Hearing Vol 29 (2), pp. 131-138.
34. Sangeetha, M. & Geetha, Y.V.(2010). Prevalence of seizure disorders in children with communication disorders- a preliminary study. Journal of All India Institute of Speech and Hearing. Vol 29 (1), pp.163-172.
35. Savithri S. R., . Sreedevi, N., Jayakumar, T. & Kavya, V. (2010). Development of speech rhythm in Kannada speaking children. Journal of All India Institute of Speech and Hearing. Vol.29(2), pp. 175-180.
36. Mariam Liveem. T., Aparna, V.S. & Prema K.S.(2010). Cross Linguistic Study of Phonological Similarity Effect. Journal of All India Institute of Speech and Hearing. Vol 29 (2), pp. 169-174.
37. Yeshoda,K., Bijoyaa, M., Nisha, S., Liveem, M. T., SriPallavi, M. & Anil Kumar. (2010). Analysis of Acoustic Patterns In Honey Bees- An Investigation. Journal of All India Institute of Speech and Hearing. Vol. 29 (2), pp. 139- 143.
38. Sreedevi, N., Shishira, S. B. & Sushma, S. (2010). Speech Intelligibility in typically developing children (3-4 years). Journal of All India Institute of Speech and Hearing. Vol. 29 (1), pp 81-86.
39. Sreedevi, N., Anusha, S., & Varsha, J. (2010). A Comparison of acoustic characteristics of speech in cochlear implant and BTE users with normal Hearing age matched individuals. Journal of All India Institute of Speech and Hearing. Vol. 29 (1), pp. 87-93.
40. Savithri, S.R. & Jayakumar, T. (2010). Respiratory similarity in monozygotic twins. Journal of All India Institute of Speech and Hearing. Vol.29, (1), pp. 73-80.
41. Savithri, S. R. & Rajasudhakar, R. (2010). Effects of teaching and voice rest on acoustic voice characteristics of female primary school teachers. Journal of All India Institute of Speech and Hearing, Vol. 29 (2), pp. 198- 203.
42. Santosh, M. & Rajshekar, B. (2011). Perceptual and Acoustic Analysis of Voice in Individuals with total thyroidectomy: Pre-Post Surgery Comparison. Indian Journal of Otolaryngology and Head and Neck surgery. Vol. 63, pp.32-39.
43. Vijetha, P. & Jangaiah, C. (2010). Intelligence, Creative thinking abilities and Academic achievement of children with hearing impairment – A correlation study. Journal of All India Institute of Speech and Hearing. Vol 29(2), pp. 262-268.
44. Vishnu K.K., Maya Leela & Subba Rao T.A.(2010) A Comparative Study on the Efficacy of Two Different Clinical Language Intervention Procedures. Language in India. Vol. 10 pp 182 – 196.(online journal)
45. Shyamala, K.C., Ravi Kumar & Haripriya, G.(2010) Verbal interaction and input in Hearing impaired. Language in India. Vol 10, pp 27-36. (online journal)
46. Sreedevi, N., Rhea, M. K & Prasad, J. (2010). Speech and Language characteristics of monozygotic twins – A Case study. Language in India, Vol. 10. (online journal)
47. Sarika Khurana & Prema, K.S. (2011) Emergent Literacy Experiences in the Classroom- A sample survey in Mysore City. Languages in India. Volume 11, 428-463. (online journal)
48. Rhea M.K., Seby, M.M & Swapna, N. (2011). Cluster disfluencies: A comparison between children with and without stuttering. Journal India Speech and Hearing Association, 2011, 25, No.1, 1-8.

**Research Paper Publication: Conference Proceedings**

24 research papers were published in national and international seminar proceedings by the faculty and staff, last year. These are:

1. Ajish K Abraham. (2010). Assistive Device for museum Access to Persons with hearing impairment.National conference on “Emerging Medical Instrumentation” (CEMI-2010).
2. Shyamala, K.C. Bilingual Aphasia. ISBA on 4th -5th Jan 2010.
3. Brajesh Priyadarshi., Rupali Mathur & Mohana, P. “Developing Protocol to Enhance Word Retrieval Ability Using Componential Analysis for Individuals with Aphasia”. 2nd National Women’s Science Congress, held at AIISH, Mysore.
4. Jayashree.C. Shanbal., Sneha George., Preeti Thomas & Padmatharini, K.S. Linguistic profiling in bilingual aphasia. International Symposium on Bilingual Aphasia.
5. Jayashree.C. Shanbal., Manju Mohan,P., Lakshmi.S. Mohan., Maria Rappai & Louisa, B. Suting. Mental lexicon organization in L1 and L2 in Bilingual Aphasics: An investigation through prototypicality and Hierarchical models. International Symposium on Bilingual Aphasia.
6. Swapna, N., Manju, M &. Swapna, N. Verbal perseveration in a Bilingual aphasic. Proceedings of the International Symposium on Bilingual aphasia held on 4th and 5th Jan 2010, 185-190.
7. Swapna, N., Raheela, Q & Priyanka. Speed of processing in children with learning disability on linguistic and nonlinguistic tasks. Proceedings of the Second National Women’s Congress held from 7th to 9th November 2009, 251-255.
8. Gopi Kishore, P. Rehabilitation of voice in professional voice users. National Workshop on Professional Voice Assessment and Management.
9. Aishwarya, A. & Geetha, Y.V. Gender difference in coping among parents of children with Autism. Lilavati -2, Proceedings of the 2nd National Women’s Science Congress, Matru Vedike and SVAK (Swadwshi Vijnana Andolana-Karnataka, Mysore; 286-291.
10. Savithri, S R., Sreedevi, N., Aparna, V S., & Ms. Deepa A. Speech Rhythm in 11-12 year old Kannada speaking children. Proceedings of the International Symposium on Frontiers on Speech & Music and Computer Music Modeling and Retrieval. March 9-12. Bhubhaneshwar, 56-59.
11. Savithri, S R., Sreedevi, N., Deepa Anand & Ms. Aparna, V.S. Effect of gender on speech rhythm in 3-4 year old Kannada speaking children. Proceedings of the International Symposium on Frontiers on Speech & Music and Computer Music Modeling and Retrieval. March 9-12. Bhubhaneshwar, 31-35.
12. Devika, R & Prema K.S. Parental Awareness of their Children’s Communicative Behaviour: A Survey in Mysore City. Lilavati -2, Proceedings of the 2nd National Women’s Science Congress, Matru Vedike and SVAK (Swadwshi Vijnana Andolana-Karnataka, Mysore; 302-312.
13. Bijoyaa, M & Prema K.S. The nuances of Gender in discourse. Lilavati -2, Proceedings of the 2nd National Women’s Science Congress, Matru Vedike and SVAK (Swadwshi Vijnana Andolana-Karnataka, Mysore; 279-283.
14. Mahalakshmi, P. & Prema K.S. Language sampling for Corpus Linguistics: Picture stimuli verses spontaneous elicitation. Lilavati -2, Proceedings of the 2nd National Women’s Science Congress, Matru Vedike and SVAK (Swadwshi Vijnana Andolana-Karnataka, Mysore; 256-263.
15. Yeshoda, K. Prevention of Voice Problems – Vocal Abuse Reduction Program. Proceedings of National Workshop on Professional Voice: Assessment and Management, AIISH, Mysore.
16. Sreedevi, N & Merin, J. Phonological processes in 3-3.6 years typically developing Malayalam speaking children. “National seminar on Language Acquisition/ Learning.3-4 Feb 2011. Trivandrum.
17. Sreedevi, N., Aparna, V.S & Ms. Manju, M. P. Effects of speaking rate on formant frequencies and duration of vowels in Malayalam. Proceedings of the International Symposium on Frontiers on Speech & Music and Computer Music Modeling and Retrieval. March 9-12. Bhubhaneshwar, 4-8.
18. Sreedevi, N., Reuben T. V & Ms. Aparna, V S. A comparison of spectral characteristics of vowels in Malayalam across mobile phone and live recordings. Proceedings of the International Symposium on Frontiers on Speech & Music and Computer Music Modeling and Retrieval. March 9-12. Bhubhaneshwar, 125-128**.**
19. Rajasudhakar, R., Sachin, L. C & Ms. Somy E Sam. Measurement of time dose using ambulatory phonation monitor in different professions. International Symposium on Frontiers of Research on Speech and Music (FRSM-2011). 44-48.
20. Rajasudhakar, R & Nirmal Sugathan. Acoustic vowel space in individuals with Broca’s aphasia. International Symposium on Frontiers of Research on Speech and Music (FRSM-2011). 77- 80.
21. Rajasudhakar, R., Baljeet, R & Nayana. Variability of fundamental frequency under voice disguised condition. International Symposium on Frontiers of Research on Speech and Music (FRSM-2011). 17-21.
22. Sahana, V., Savithri, S.R & Kavya. Acoustic similarities and differences within and between speakers in disguised condition. Lilavati -2, Proceedings of the 2nd National Women’s Science Congress, Matru Vedike and SVAK (Swadwshi Vijnana Andolana-Karnataka, Mysore; 316-320.
23. Powlin, A.C. & Savithri S.R. Effect of temporal variation on phoneme identification skills in 2-3 old late talking children. Lilavati -2, Proceedings of the 2nd National Women’s Science Congress, Matru Vedike and SVAK (Swadwshi Vijnana Andolana-Karnataka, Mysore; 246-251.
24. Kavya, V., Savithri. S. R & Sreedevi, N. Effect of gender on speech rhythm in Kannada Speaking Children. Lilavati -2, Proceedings of the 2nd National Women’s Science Congress, Matru Vedike and SVAK (Swadwshi Vijnana Andolana-Karnataka, Mysore; 283-286.

**Student Research Publication**

The research projects done by the postgraduate students of the institute are being published in-house as ‘Student Research at AIISH’. 35 articles based upon the students research works were published jointly by the student researchers and their supervisors in Volume No. VIII of the publication released during the reporting year.

**Books/Book Chapters**

Faculty members are actively involved in writing books based upon various aspects of Communication Disorders and related themes. Last year, 10 books/book chapters were written by the faculty. These are :

* + - * 1. Yathiraj, A, (2010-11). Unit 2: Auditory training and its importance and auditory verbal therapy (AVT)In Perception through hearing aids, auditory training and evaluation of hearing aids (Block 2). Publication of IGNOU for programme Aural Rehabilitation of Children with Hearing Impairment.
        2. Venkatesan, S. (2010). Toy Kit for Kids with Developmental Disabilities: User Manual. Mysore: AIISH. (Revised English Edition)
        3. Venkatesan, S. (2011). Functional Assessment Battery: Idiometric Analysis of Neuropschological Functions in Adults with Mental Retardation. Bangalore: Psychotronics.
        4. Chapter titled ‘Cognitive Behavior Group therapy in Mathematics Anxiety’ Co-authored by Ayatollah Karmi published in book titled ‘Recent Studies in School Psychology’. Edited by Panch Ramalingam and foreword by Professor Bill Pfohl, President, International School Psychology Association, in January, 2010. Published by Authors Press, New Delhi as chapter 10 under pages 121-128.
        5. Geetha Y.V., Prema K.S., Karanth, P. & Manjula, R. (2010). “With a little bit of help” -A manual and 634 cards for language training in Hindi. As a part of Production of Language Training Materials in ten major Indian Languages -An UNICEF Project. Books for Change publishers and National Trust, Bangalore.
        6. Geetha Y.V., Prema, K.S., Karanth, P. & Manjula, R. (2010). “With a little bit of help” -A manual and 634 cards for language training in Malayalam. As a part of Production of Language Training Materials in ten major Indian Languages -An UNICEF Project. Books for Change publishers and National Trust, Bangalore.
        7. Geetha Y.V., Prema, K.S., Karanth, P. & Manjula, R. (2010). “With a little bit of help” -A manual and 634 cards for language training in Marathi. As a part of Production of Language Training Materials in ten major Indian Languages -An UNICEF Project. Books for Change publishers and National Trust, Bangalore.
        8. Geetha Y.V., Prema, K.S., Karanth, P. & Manjula, R. (2010). “With a little bit of help” -A manual and 634 cards for language training in Tamil. As a part of Production of Language Training Materials in ten major Indian Languages -An UNICEF Project. Books for Change publishers and National Trust, Bangalore.
        9. Geetha Y.V., Prema, K.S., Karanth, P. & Manjula, R. (2010). “With a little bit of help” -A manual and 634 cards for language training in Telugu. As a part of Production of Language Training Materials in ten major Indian Languages -An UNICEF Project. Books for Change publishers and National Trust, Bangalore.
        10. Prema, K.S & Shyamala, K.C. (2010) In Special volume ‘Cognitive initiatives’ chapter titled Language processing in bilinguals and biliterates. DST (in press).

**Editorial Work**

The faculty are involved in editing of books, journal articles and conference proceeding in their fields of expertise. The editorial works carried out last year are given below:

Dr. Asha Yathiraj

* Editor for Journal of All India Institute of Speech and Hearing, Vol.29, No.1, 2010.
* Editor for Journal of All India Institute of Speech and Hearing, Vol.29, No.2, 2010.
* Editor for Block 1: Hearing and auditory processes; Block 3: Language; Block 4: The speech process and components of speech & Block 5: Speech teaching of Aural rehabilitation of children with hearing impairment.

Dr. Manjula P

* Editor for Journal of All India Institute of Speech and Hearing, Vol.29, No.1, 2010.
* Editor for Journal of All India Institute of Speech and Hearing, Vol.29, No.2, 2010.

Dr. Venkatesan S

* Venkatesan, S. (2010).Book Review: Portage guide to early childhood education. CBR Network (South Asia).29.1.128-130.

Dr. S.R. Savithri,

* Proceedings of the National Workshop on Professional Voice: Assessment and Management. AIISH, Mysore.

Prof. K. S. Prema,

* Sensitivity training on academic problems in primary school children enrolled under SSA in Karnataka-Instructor Manual

Dr. Sandeep M

* Compiler for Audiology dissertation articles for Student research at AIISH Mysore publication 2009-10.

Dr. N. Swapna

* Editor for Student Research at AIISH - Dissertations done in 2009-10, Volume VIII, Part B –Speech-Language Pathology,

**Peer-Reviewing**

Experienced faculty members of the institute are also involved in peer-reviewing of research papers received for publications by the reputed journals in the field. They were also involved in peer-reviewing various project proposals submitted to national agencies like DST and other research project evaluation. The details of peer-review carried out by faculty last year are given below:

Dr. Asha Yathiraj

* Reviewer for Journal of Indian Speech Language and Hearing Association Vol.25, No.1, 2011.

Dr. Manjula P

* Reviewer for Journal of Indian Speech Language and Hearing Association Vol.24, No.2, 2010.
* Reviewer for Journal of Indian Speech Language and Hearing Association Vol.25, No.1, 2011.

Dr. Animesh Barman

* Reviewer for Journal of Indian Speech Language and Hearing Association Vol.24, No.2, 2010.

Dr. Venkatesan S

* Autism Spectrum Disorder and Efficacy of Integrated Approach to Yoga Therapy. Journal of Indian Speech and Hearing Association. Research Article.
* Acquisition of Vigilance in Children. Journal of Indian Speech and Hearing Association. Research Article.
* ‘Identification of Learning Disability: Speech Language Pathologist-Teacher Partnership’. Journal of All India Institute of Speech and Hearing. Research Article.
* Does SES influence Phonological Awareness Skills?. Journal of All India Institute of Speech and Hearing. Research Article.
* Cognitive Language Skills of Children with Human Immuno Deficiency Virus’. Journal of All India Institute of Speech and Hearing. Research Article.
* Do Developmental Dyscalculic Children have Spatial Biases in Processing Numbers? Evidences from SNARC Effect?’. Journal of All India Institute of Speech and Hearing. Research Article.
* Yogic Intervention and Anxiety Disorder. Journal of All India Institute of Speech and Hearing. Research Article.
* Assessment of Auditory Working Memory in Normal Hearing and Hearing Impaired Children . Pre-registration PhD Review & Colloquium of Mr. Ranganathan at AIISH, Mysore. (Research Proposal).
* Intelligence Testing and its implications for Disability Evaluation in Individuals with Mental Retardation. Peer Review: Psychological Studies, Springer, New York. (Research Proposal)
* A Longitudinal Study on Growth and Development of Low Birth Weight Infants (Birth to 2 years of age) of Mysore. Pre-registration PhD Review & Colloquium of Ms. MV Arundathy .Department of Food Science & Nutrition, UOM, Mysore. (Research Proposal).
* Do all persons with Schizophrenia have Cluttering?. Journal of All India Institute of Speech and Hearing. Research Article.
* Profile of Recognition of Emotion: A Study with Three Clinical Samples in a Comparative Context with Normals. Indian Journal of Clinical Psychology. Research Article.
* Personality And Perceived Family Environment In Cluster-B Personality Disorders. Indian Journal of Clinical Psychology. Research Article.
* A Cognitive Exploration of the Concept of ‘Privacy’ among Indians. IIT, Gandhinagar, Ahmedabad. Project Proposal from DST, GOI, New Delhi.
* Nutritional Status and Cognitive Functioning and Development through supplementary food mixes to 3-6 year old children. Department of Human Development, Home Science College & Research Institute, Madurai; 625 104. Project Proposal from DST, GOI, New Delhi.
* The Effect of Neural Correlates of Repetitive Transcranial Magnetic Stimulation on Positive and Negative Symptoms and Associated Cognitive Dysfunctions in Schizophrenia. Mental Health & Neuro Sciences Division, Caring Foundation, New Delhi. Project Proposal from DST, GOI, New Delhi
* Brain Region Specific Epigenomic Changes in Impaired Cognition. Department of Zoology, University of Delhi, New Delhi. Project Proposal from DST, GOI, New Delhi.
* Using visual diary in promoting awareness of inner life among 4-6 elementary school students in SD Negeri Patang Puluhan, Yogyakarta, Indonesia. Psychological Studies, Springer, New York. Research Article.

Dr. G. Jayarama

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Dr. R. Manjula

* Reviewer for Journal of All India Institute of Speech and Hearing, AIISH, Mysore.
* Reviewer for Journal of Indian Speech and Hearing Association, ISHA, India.

Dr. S.R. Savithri

* Editor for Journal of All India Institute of Speech and Hearing, AIISH, Mysore.

Dr. K.S. Prema

* Reviewer for Journal of All India Institute of Speech and Hearing, AIISH, Mysore

Dr. Santosh. M

* Reviewer for Journal of Indian Speech and Hearing Association, ISHA, India.

5

Clinical Services

The institute offers a wide variety of clinical services to those who are suffering from Communication Disorders in the country. Clinical activities of the Institute can be broadly categorised as: (a) General Clinical Services (b) Specialised Clinical Services (c) Clinical Outreach Services (d) Clinical Electronic Services and (e) Clinical Support Services.

1. **General Clinical Services**

The general clinical services in the Institute are being provided under the aegis of the Department of Clinical Services. Highly skilled clinical practitioners of the Department of Audiology, Clinical Services, Speech - Language Pathology, Speech - Language Sciences along with allied professionals at the Department of Otorhinolaryngology and Clinical Psychology have been delivering quality outpatient services. Apart from them, the Department of Clinical Services also offers specialised clinical care of a range of medical and allied health fields to the patients who are referred by the OPD’s of Audiology and Speech – Language Pathology.

Hundreds of patients visit the institute daily. In the reporting year, a total of 50504 clients registered for availing the clinical services at the institute. This includes 19,551 new and 30953 repeat cases. Figure....... shows the number of patient registered in the past 3 years. There is an increase in the number of patients registered at the institute in the current year.

**Figure:** Growth in the Number of Patients Registered

1. **Speech and Language Assessment and Rehabilitation**

During the year under review, a total of 6940 registered clients were evaluated at Speech and language Outpatient unit and among them 396 persons were found to be normal. The remaining 6544 were diagnosed to have language disorders (4490), Voice disorders (688), fluency disorders (650) articulation disorders (489) and mulitple disorders (227).

Clients requiring further management were given various speech/language therapies for a number of daily sessions of 45 minutes duration. During the reporting year, a total of 48,660 such therapy sessions were conducted for 6286 persons with speech/language disorders. Support and guidance were also given to the family members for home training. In addition, the needy patients were referred to other appropriate therapy units of the Institute. The complete details of disorder-wise distribution of therapy are given in table 5.

**Table 5:** Speech and Language Assessment and Rehabilitation

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Disorders-wise distribution of diagnostic evaluation seen in OPD- Speech/ language Apr 2010 – Mar 11** | | | | | | | | | | | | | | | | | | |
| Disorders | Language Disorders | | | Voice  Disorders | | | Fluency Disorders | | | Articulation Disorders | | | Multiple  Disorders | | Normal | | |  |
| **Months** | **C** | **A** | **G** | **C** | **A** | **G** | **C** | **A** | **G** | **C** | **A** | **G** | **C** | **A** | **C** | **A** | **G** | **Total** |
| April | 505 | 5 | 4 | 25 | 34 | 19 | 69 | 27 | 3 | 69 | 11 | 0 | 19 | 1 | 26 | 25 | 2 | 844 |
| May | 373 | 3 | 2 | 21 | 31 | 16 | 55 | 22 | 2 | 67 | 16 | 4 | 21 | 2 | 21 | 11 | 2 | 669 |
| June | 359 | 3 | 3 | 11 | 36 | 9 | 39 | 18 | 1 | 22 | 5 | 3 | 27 | 4 | 3 | 16 | 2 | 561 |
| July | 429 | 4 | 2 | 19 | 29 | 10 | 33 | 17 | 1 | 21 | 5 | 2 | 27 | 3 | 11 | 19 | 3 | 635 |
| Aug | 272 | 3 | 1 | 18 | 27 | 7 | 23 | 17 | 2 | 24 | 2 | 1 | 14 | 1 | 12 | 8 | 0 | 432 |
| Sep | 300 | 6 | 3 | 7 | 28 | 8 | 22 | 18 | 0 | 19 | 6 | 1 | 19 | 3 | 11 | 12 | 2 | 465 |
| Oct | 356 | 5 | 4 | 8 | 17 | 10 | 56 | 24 | 1 | 39 | 8 | 2 | 22 | 2 | 19 | 11 | 2 | 586 |
| Nov | 334 | 4 | 2 | 31 | 37 | 8 | 29 | 13 | 0 | 19 | 6 | 2 | 19 | 1 | 8 | 15 | 2 | 530 |
| Dec | 403 | 3 | 3 | 20 | 36 | 15 | 31 | 19 | 1 | 32 | 4 | 2 | 20 | 7 | 16 | 25 | 4 | 641 |
| Jan | 343 | 3 | 1 | 16 | 34 | 6 | 23 | 16 | 1 | 20 | 7 | 5 | 9 | 1 | 14 | 23 | 0 | 522 |
| Feb | 388 | 4 | 2 | 13 | 25 | 15 | 10 | 11 | 1 | 16 | 5 | 4 | 3 | 2 | 19 | 11 | 5 | 534 |
| Mar | 353 | 3 | 2 | 5 | 27 | 10 | 21 | 23 | 1 | 29 | 8 | 3 | 0 | 0 | 17 | 16 | 3 | 521 |
| Total | **4415** | **46** | **29** | **194** | **361** | **133** | **411** | **225** | **14** | **377** | **83** | **29** | **200** | **27** | **177** | **192** | **27** | **6940** |
| Disorder wise | **4490** | | | **688** | | | **650** | | | **489** | | | **227** | | **396** | | |
| Overall total | **6940** | | | | | | | | | | | | | | | | | |

C: Child, A: Adult, G: Geriatric

1. **Audiological Assessment and Rehabilitation**

The institute has been serving the hearing impaired people of all ages across the country. The outpatient unit of Audiology Department provides complete diagnostic and re-habilitative audiological services.

In the Current year, totally 17,832 ears of 11063 clients were screened and among them 3459 ears were found to have normal hearing. The remaining 14373 ears had conducive hearing loss (2596), mixed hearing loss (4270), and sensory-neural hearing loss(....).

Various audiological tests like pure tone audiometry, speech audiometry , immittance audiometry, ABR, BOA and OAE were conducted for the affected persons using state-of the-art equipments.

The hearing aid trial unit of the institute evaluated 10597 clients diagnosed with hearing problems, to determine the appropriate hearing aids and assistive learning devices to them.The unit also determined the candidacy for cochlear implants.The detailed statistics on hearing aid trial and hearing aids prescribed during the report year are given in table 6.

**Table 6 :** Clients seen in hearing aid trial unit

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Total no. of clients evaluated for hearing devices | | | | 10597 |
| No. of clients seen for hearing aid trial at AIISH | | | | 8761 |
| No. of clients seen for hearing aid trial at Camps | | | | 751 |
| No. of hearing aid prescribed at camps | | | | 623 |
| No. of clients counseled | | | | 4038 |
| Hearing aids prescribed | | | | 5061 |
| * Body level | | | 3740 |  |
| - ADIP | 3569 | |  |  |
| - Purchased | 171 | |  |  |
| * Analogue BTE | | | 23 |  |
| * Digital BTE | | | 1195 |  |
| * Trimmer Digital BTE | | | 102 |  |
| * Digital ITC | | | 49 |  |
| * Digital CIC | | | 9 |  |
| No. of clients recommended | | | | 1922 |
| * Auditory training | | 1127 | |  |
| * Speech reading | | 795 | |  |
| No. of hearing aids prescribed on exchange | | | | 274 |
| No. of clients for whom aided ASSR done | | | | 6 |
| No. of unaided/aided audiograms | | | | 609 |
| No. of unaided/aided audiograms for CI | | | | 29 |
| Candidacy for CI | | | | 45 |
| Mapping for CI | | | | 65 |
| Aided VRA | | | | 132 |
| Programming of digital hearing aids | | | | 882 |
| No. of certificates issued for DL/LIC/Financial aid | | | | 258 |
| No. of IGO done | | | | 55 |
| No. of EAC of hearing aids done | | | | 360 |
| No. of clients tested in Hindi | | | | 316 |
| No. of clients recommended for retrial with custom ear mould | | | | 336 |
| No. of clients for whom ALDs tried | | | | 3 |
| No. of clients referred to AIISH | | | | 67 |

Custom ear moulds were made for the clients who were prescribed hearing aids. 5421 ear impressions of 3411 clients were taken. 3247 ear moulds were made free of cost. The details of ear mould statistics are given in table 7.

**Table 7:** No. of clients seen in ear moulds lab

|  |  |
| --- | --- |
| No. of clients seen | 3411 |
| No. of impressions taken | 5421 |
| No. of ear moulds made free-of-cost | 3247 |
| No. of ear moulds made on 50% payment | 0 |
| No. of ear moulds made on 100% payment | 2175 |
| No. of ear moulds completed | 5103 |
| No. of ear moulds issued | 4674 |
| No. of hard regular moulds made | 3210 |
| No. of hard shell moulds made | 160 |
| No. of soft moulds made | 1940 |
| No. of ITC impression made | 45 |
| No. of swimmer plug (soft) | 49 |
| No. of molds with acoustic modifications | 4 |
| No. of ear moulds impression taken at camps | 342 |
| No. CPL impressions received | 314 |
| No. of CPL moulds completed | 311 |
| No. of CPL moulds defective | 3 |

1. **Psychological Assessment and Rehabilitation**

A number of patients registered with the Institute undergo routine psychometric assessment at the psycho-diagnostic clinic.

During the reporting year, 4402 new cases and 1175 old cases were seen at the clinic. These include patients with mental retardation (1862 cases),expressive language disorders (941), hearing loss (4481), learning disability (457), stuttering (398), misarticulation (75), functional voice disorders (7), voice problem (16), and others (920).

The patients were provided with appropriate therapeutic services like behaviour therapy, home-based training program, remedial training and parent counselling program. The details regarding the nature and type of therapy provided to cases are given in Table 8.

**Table 8:** Details on Nature and type of therapy provided to cases

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Particulars** | **Total No.**  **of Cases** | **Total No. of**  **Sessions** |
|  | Behavior therapy | 617 | 979 |
|  | Home based training program for MR/SLD | 405 | 1293 |
|  | Remedial training for SLD cases | 51 | 394 |
|  | Parent counseling program | 3075 | 3075 |
|  | Neuropsychological Assessment | 38 | 79 |
|  | Neuropsychological rehabilitation | 44 | 315 |
|  | Home based rehabilitation program | 6 | 17 |
|  |  |  |  |

1. **Otorhinolaryngological Assessment and Rehabilitation**

The clinical unit of the ENT department examines and treats ENT diseases related to communication disorders. The unit rendered services to 15560 new and 16063 old cases during the year & report. In addition to the services in institute campus, the ENT Department also extended the services to K.R Hospital, Mysore where 6069 new and 6681 old cases were examined. The unit conducted 16,754 microscopic examinations, 279 endoscopic examinations and 31 vertigo evaluations.

**2. Specialised Clinical Services**

In addition to the general clinical services, the institute also delivers a number of specialised clinical services through the credentialed professionals working in the Departments of Audiology, Speech - Language Pathology, Speech - Language Sciences and Special Education.

1. **Listening Training Service**

Listening training was provided for the clients who use hearing devices such as hearing aids, cochlear implants and for those with tinnitus and hyperacusis, in the Listening Training Unit.

In the report year, totally 2261 clients underwent listening training comprising of 14493 sessions. Training sessions were handled by student clinicians under the supervision of experienced department staff. 1083 students were assigned for providing training last year. The detailed statistics on Listening Training activities are given in Table 9.

Table 9: Activities in listening training unit

|  |  |
| --- | --- |
| Total no. of clients seen | 2261 |
| Total no. of sessions | 14493 |
| No. of clients for whom demonstration therapy given | 145 |
| No. of new clients | 436 |
| No. of repeat clients | 1827 |
| No. of clients discharged | 68 |
| No. of clients discontinued | 105 |
| Parent counseling session (Individual) | 917 |
| No. of clients given training in Hindi | 183 |
| No. of clients with CI | 138 |
| No. of sessions for clients with CI | 906 |
| No. of sessions for tinnitus / hypercusis | 155 |
| Total no. of students posted | 1083 |

1. **Professional Voice Care**

42 M. Sc Speech - Language Pathology students, and 42 interns underwent training for a total duration of 2447 hours, last year at the Professional Voice Care Unit.

**{ How many cases were seen...}**

1. **Augmentative and Alternative Communication Unit**

This service is provided by the Augmentative and Alternative Communication Unit under the Department of Speech - Language Pathology. It is to support, enhance and provide alternative methods of communication for individuals who are not verbal communicators. The unit evaluated 18 new and 236 therapy cases. The total number of therapy sessions conducted was 1392. In addition to these, there were 3 home training cases and one D.T case.

1. **Autism Spectrum Disorder Unit**

The Autism Spectrum Disorder Unit under the Department of Speech - Language Pathology provides assessment, treatment and consultation services for clients diagnosed to have Autism Spectrum Disorders. 234 new cases were evaluated at the unit in 236 sessions. In addition to this, 36 D.T cases and 643 therapy cases consisting of 3605 sessions were conducted.

1. **Structural Craniofacial Anomalies Unit**

This service is provided by the Unit of Structural Craniofacial Anomalies (U-SOFA) under the Department of Speech Language Pathology. U-SOFA is a multi-disciplinary clinic committed to provide comprehensive diagnostic and rehabilitative services to clients with deformalities in the growth of head and facial bones. {Describe Statistics..}

The Table 11.

**Table 11 :** Unit for Structural Craniofacial Anamolies (U-SOFA) clinical activities

|  |  |  |
| --- | --- | --- |
|  | Pediatric | Adult |
| Diagnostics |  |  |
| No. of clients evaluated by plastic surgeon | 129 | 22 |
| No. of clients evaluated by prosthodontist | 28 | 9 |
| No of cases seen by orthodontist | 59 | 9 |
| Rehabilitation Recommended |  |  |
| No of cases recommended for orthodontic treatment | 11 | 3 |
| No. of clients recommended for surgery | 48 | 3 |
| No. of clients recommended for speech therapy | 71 | 6 |
| No. of client recommended for Prosthesis | 2 | 2 |
| Details of rehabilitation |  |  |
| No. of session taken for preparation of prosthesis | 24 | 7 |
| No. of speech prosthesis prepared | 4 | 2 |
| No. of cases attended speech and lang. therapy | 125 | 5 |
| Total No of cases attended Demonstration therapy | 20 | 0 |
| No of sessions ( D.T ) | 123 | 0 |
| No of speech and language therapy sessions held | 633 | 0 |
| manpower development |  |  |
| No of undergraduate students trained |  | 70 |
| No of internee trained |  | 44 |
| No of postgraduate students trained |  | 68 |
| Short term training |  | - |
| Audio Visual Material development |  |  |

1. **Fluency Unit**

This is a newly launched service in the Department of Clinical services. The unit caters to the needs of the persons with stuttering and other fluency disorders.

The unit enables the professionals to conduct research on neuroanatomical, neurophysiological and genetic aspects of fluency disorders. The unit provided clinical service to 571 persons with fluency disorders in 3621 sessions.

1. **Vertigo Clinical Unit**

# This is a new specialized service started by the Department of ENT. Vertigo refers to the symptoms of giddiness or imbalance. The clinic offers a comprehensive care in evaluation and management of patients with Vertigo. A multidisciplinary team comprises ENT surgeons, neurologists, audiologists and nurses in the clinic provide the care. Facilities available in the clinic are: microscopic examination of ear, electro nystagmography, vestibulo spinal tests, neurological evaluation, audiological tests and Vestibular Evoked Myogenic Potential (VEMP) test. Totally 31 patients are evaluated in the clinic last year. It includes both peripheral and central vertigo patients.

1. **Pre-school Services**

Educational-cum-clinical services are being provided to the children with communication disorders belonging to various age groups at the Pre-School. The major programs conducted at the school are (a) Pre-school training for children with communication disorders (b) parent Empowerment Programme for parents of children 2½ years and above awaiting pre-school admission. During the year under report, 223 children with communication disorders underwent pre-school training consisting of 25141 sessions. Moreover, children with multiple disorders were grouped according to their disorders and group-wise training was provided. Last year, 5 such groups (..........) were formed for training 281 children with multiple disorders. Parent Empowerment program was attended by 509 clients. Totally 832 sessions were conducted for the program. The detailed statistics of educational-cum-clinical services provided to the children with communication disorders, are in Table 10.

**Table 10 :** educational-cum-clinical services to the children with C.D

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Nature of Service** | **No. of** | | **No. of Sessions** |
| Groups | Clients |
| 1. **Services to children below 2 ½ years of age** | | | | |
| 1. | Parent Infant Programme – | --- | 35 | 131 |
| 1. **Services to Preschool-aged (2 ½ years to 6 years) children** | | | | |
| 2. | *Preschool Parent*  *Empowerment Programme* – | Kannada Flower & Colour (MR & Autism) | 120 | 182 |
| Kannada Fruit (HL) | 128 | 187 |
| Malayalam Flower & Colour (MR & Autism) | 115 | 122 |
| Malayalam Fruit (HL) | 96 | 123 |
| English HL & MR | 26 | 109 |
| Hindi HL & MR | 24 | 109 |
|  | **TOTAL** | | **509** | **832** |
| 3. | *Preschool Training for Children with Communication Disorders* | Colour (Autism) - 05 | 28 | 2869 |
| Flower (MR) - 15 | 76 | 8222 |
| Fruit (HL) - 22 | 119 | 14050 |
| TOTAL - 43 | 223 | 25141 |
| 4. | *Children with Multiple Special Needs* | HL with Autism | 38 | --- |
| HL with CP | 16 |
| HL with MR | 29 |
| MR with Autism | 88 |
| MR with CP | 109 |
| MR with VI | 01 |
| 1. **Services to school-aged children** | | | | |
| 5. | *Placement Guidance Evaluation* | --- | 08 | 12 |
| 6. | *Speech Language and Listening Therapy* | Speech Language Therapy | 900 | 2043 |
| Listening Therapy | 406 | 554 |
| 7. | *Individualised Education Plan / Curricular Support Services*  Curricular Support Services (CSS) | Kannada | 104 | 847 |
| Malayalam | 16 |
| Hindi | 20 |
| English | 24 |
| Telugu | 15 |
| Individualized Education Plan (IEP) | --- | 19 | 73 |
| 8. | *Counselling & Guidance* | Guidance for home training | 13 | 42 |
| All Services | 33 | 105 |
| 9. | Co-Curricular Sessions | All Services | --- | 200 |

1. **Medical Specialty Services**

The institute facilitates the services of various allied medical specialities to the needy patients with Communication Disorders who register in the Department of Clinical Services. The patients can avail the consulting services from Paediatrician, Neurologist, Plastic surgeon, Prosthodontist, Orthodontist, Phonosurgeon, Physiotherapist and Occupational therapists.

1162 patients underwent occupational therapy in 7344 sessions and 1148 patients underwent physiotherapy in 9005 sessions. In addition to these, 539, 348, 149, 71, 67 and 63 patients consulted neurologist, Paediatrician, Plastic surgeon, Prosthodontist, Phonosurgeon and Orthodontist, respectively.Thus altogether 3547 patients availed the medical speciality services at the institute.

**3. Clinical Outreach Services**

The institute conducts outreach services with the objective of providing diagnostic and therapeutic services to patients in remote areas, suffering from communication disorders and making the public aware of the measures to be taken to prevent communication disorders. These services supplement and support the care people receive within their local healthcare system. The outreach services are carried out mainly through the Department of Prevention of Communication Disorders (POCD) and Centre for Rehabilitation and Education through Distance Mode (CREDM).

POCD conducts screening programs for speech and hearing disorders in different settings in various localities and provide diagnostic and therapeutic services. These include (i) screening new born babies and children for communication disorders in hospitals, (ii) clinical services to the rural people at the 4 outreach Service centres of the department, (iii) hearing screening for industrial workers, and (iv) screening programs at camps.

Under the **infant Screening Program** of thedepartment, 12523 babies were screened for hearing in 12 hospitals,3 immunization centres and 2 primary health centres in and around Mysore and 1485 among them were referred to AIISH for follow-up. Communication disorder related diagnostic and therapeutic services were provided for persons in rural areas around the **outreach service Centres**. Totally 4461 clients ranging from infants to adults underwent screening in the 4 outreach service centres. Among them, 649 individuals were diagnosed to be having otolaryngological, audiological and speech and language related disorders. Hearing aids were issued to 285 persons with hearing loss and ear mould impressions of 218 persons were taken.Also,129 persons were recommended for speech and language therapy.

Under the **hearing screening for the industrial workers program** of the department, hearing evaluations were conducted for 132 employees working in Karnataka Silk Industries Company, during the year under report. 90% of the workers screened were found to have hearing loss and the employees were counselled regarding the need to use ear protective devices.

13 **camps** were conducted by the Institute at various places within and around Karnataka with the objective of screening persons for speech, language and hearing disorders. Totally 2846 persons were evaluated in these camps and 600 persons among them were recommended to the institute for follow-up. The details of camps conducted in various places are given in Table 12.

**Table 12:** Details of clients screened in various camps in the report year

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Month | Place where camp was held | Date | Sponsoring Organization | Total Number of Clients screened/  evaluated | Total Number of Clients referred to AIISH for follow up |
| Apr 2010 | Tarikere, Chikkamagalur district | 23/4/2010 | Rotary Club, Tarikere | 351 | 88 |
| July 2010 | Nanjangud, Mysore Dist. | 11/7/2010 | Mysore District Surgeon Association, Mysore. | 57 | 25 |
| Sulthan Battery | 29/7/2010 | SSA | 277 | 73 |
| Panamaram | 30/7/2010 | SSA | 429 | 171 |
| Sept 2010 | T.Narsipura, Mysore taluk. | 29/9/2010 | Chaitanya Charitable Trust | 96 | 30 |
| Dec. 2010 | Piriyapatna,  Mysore | 7/12/2010 | Chaitanya Charitable Trust, Mysore | 67 | 8 |
| Meke Daatu,  Kanakapura | 12/12/2010 | SGS Hospital,Sri Ganapathy Sachidananda Ashram, Mysore | 94 | 16 |
| Hebbal, Mysore | 16/12/2010 | Lions Club, Mysore | 90 | 13 |
| Feb 2011 | T.Narasipura,  Mysore | 20/2/2011 | Rotary Club,  T. Narasipur | 84 | 5 |
| Hosapet,  Bellary | 23/2/2011 to 25/2/2011 | Rotary Club, Hospet | 244 | 7 |
| Mar 2011 | H.D Kote,  Mysore | 02/02/2011 & 03/03/2011 | NSS, AIISH | 582 | 136 |
| Tarikere, Chckmagalur district | 17/03/2011 | Rotary Club, Tarikere | 316 | 19 |
| Devanuru,  Chamarajanagar district | 27/03/2011 | Sri Gurumalleswara Seva Samiti, Devanuru | 159 | 9 |
| **Total** | | | | **2846** | **600** |

CREDM works with the motto of ‘**reaching the unreached**’. The centre offers many innovative clinical outreach services to persons with communication disorders at distant places through tele-diagnostic and rehabilitation services and e-discussion forums. Tele-intervention and rehabilitations were done on a daily basis throughout the year. Constant home training was given and follow-ups were done for the needy cases. 18 and 202 clients were offered tele-diagnosis and tele-services, respectively. The details of tele-diagnosis and intervention delivered last year are in Figure 1 and 2.

**Figure 1 Tele-Diagnosis**

**Figure 2 Tele- Intervention**

**4. Clinical Electronic Services**

The clinical electronic services provided under the Department of Electronics include the development of assistive devices, development of alternative and augmentative communication devices and electronic acoustic evaluation, management and issue of hearing aids.

Totally 5438 hearing aids with solar battery chargers were distributed at the institute (4624), camps (692), and clinical outreach centres (122), after electro-acoustic evaluation and testing. These activities were carried out under the ADIP scheme of Ministry of Social Justice and Empowerment, Government of India. In addition to this, 996 hearing aids were distributed at concessional rate under AIISH hearing aid dispensing scheme. The department also repaired 403 body level and 116 BTE hearing aids and freely serviced 446 BTE hearing aids.

**5. Clinical Support Services**

The institute extends a diverse range of support services to patients and their family who approach the institute for services. These include counselling and guidance on various aspects of the disorders, treatment procedures, usage and care of tools like hearing aids, issue of certificates financial aid, tax exception, educational scholarship, railway concession, and school admission to the deserving.

The clinical support services provided by the institute to the eligible candidates, are given in Table 13.

**Table 13:** Clinical Support Services

|  |  |  |
| --- | --- | --- |
| Dept.of Cliniac Services | | |
| S.No | Particulars | Total |
| 1 | Transfer certificate | 21 |
| 2 | Case reports | 528 |
| 3 | Attendance certificates | 32 |
| 4 | School admission certificate/  Language exemption certificate | 109 |
| 5 | Correspondence by e-mail/letter/FU | 372 |

|  |  |  |
| --- | --- | --- |
| **Department of Audiology** | | |
| 1 | Financial aid | 893 |
| 2 | Admission to school for the deaf | 129 |
| 3 | Physically handicapped | 212 |
| 4 | Tax exemption | 54 |
| 5 | Education scholarship | 107 |
| 6 | At camp | 4 |
| 7 | Others | 120 |

|  |  |  |
| --- | --- | --- |
| **Department of Clinical Psychology** | | |
| 1. | MR Certificates issued for individuals with Mental Retardation | 1287 |
| 2. | Railway concession certificates | 94 |
| 3. | Certificate issued for the individuals with Learning disabilities. | 156 |
| 4. | Psychological Report for special school admissions | 117 |
| 5. | Income Tax Exemption Certificate for parents of M.R | 30 |
| 6. | Medico-legal cases | 3 |
| 7. | Court appearance for rendering expert opinion | 3 |

6

Activities of the Central Facilities

The major central facilities of the institute include Library and Information Centre, Public Information Office and Department of Material Development. All these support the objectives of the institute

**1. Library and Information Centre Activities**

The Library and Information Centre (LIC) continued to be the focal point of scholastic activities of the institute during the reporting year. The teaching, learning, research and clinical activities of the institute have been underpinned by LIC through its outstanding collection, an array of traditional and technology-based tools and services and comfortable and large learning space.

The major activities of the LIC during the reporting year are outlined below:

1. **Building Collection**

LIC enhanced the collection development activities during the year and procured different types of resources. It has strengthened its e-resource collection by introducing E-books and Online databases and by subscribing more number of E-journals.

1. **Print Books and Bound Volumes**

During the report year it has added 741 books to the collection which is the highest figure in the last 3 years.

1. **Print Journals**

The LIC has subscribed 64 print journals of which 5 print journals were subscribed newly and the remaining are renewed subscriptions.

1. **E-Books**

The LIC has introduced E-books in its collection for the first time by procuring 138 titles. All the titles are pertaining to various aspects of communication disorders.

1. **E-Journals**

The LIC has subscribed 63 E-journals during the year under report. Among them, 48 are available in print format also. 7 E-journals were subscribed newly in the year. In addition to the subscribed E-journals, LIC is getting access to more than 2500 biomedical E-journals as it is a part of ERMED consortium.

1. **Online databases**

The LIC has also introduced Online databases in its collection by subscribing two reputed bibliographic databases in the field of communication disorders published by Proquest Incorporation namely *ComDisDome and* *Linguistics and Language Behaviour Abstract*.

1. **Traditional Information Services**

The major traditional information services provided by the LIC during the year under report were reference service, book lending service and reprographic service

1. **Electronic Information Services**

LIC provided two categories of electronic information services during the reporting year. which included internet service and web portal based services

* 1. **Internet Service**

LIC strengthened the provision of internet service to the member community during the reporting year by adding more number of computers with internet access. By the end of reporting year, totally there were 44 computers with internet access in the LIC.

* 1. **Web portal based Information Services**

Library and Information Centre provided a variety of information services through its web portal available at [www.aiish.ac.in](http://www.aiish.ac.in) such as access to institute Digital Research Repository developed and maintained by the LIC, and Online Public Access Catalogue Service.

1. **Digitization of Research Reports**

During the reporting year more than 1000 pages of research papers have

been digitized and uploaded to the repository. These include PG dissertations and other project works done at the institute.

1. **Material Development Activities**

During the reporting year, the Department of Material Development prepared 1590 materials of different types including posters, certificates, identity cards, prospectus, and CD covers. In addition to this, the department staff provided photo coverage and video coverage of 85 and 9 institute events, respectively. Further the Department received 300 work orders from different departments and carried out colour printing, photocopying and scanning of more than 25, 000 pages.

1. **Public Information Activities**

Public information office of the institute is responsible for taking care of institute publications and maintenance of media relations.

The major activities of the Public information office during last year included the following.

1. issue of more than 25 media releases on major events and significant achievements of the institute,
2. publication of Journal of All India Institute of Speech and Hearing.vol.24 Issue 1 & 2,
3. publication of ‘Student Research at AIISH Volume No.VIII. ‘ This is an in-house publication compiled out of dissertation submitted by the Post Graduate students of the institute,
4. publication of a number of brochures and posters related to the activities of various departments of the institute, and
5. arranging for – campus at various places in Karnataka.

7

Administrative Matters

The administrative office is responsible for the financial, personnel and other administrative operations of the institute. The office provides assistance and support to the Director in general administration and management of the institute. The major administrative activities of the institute during the year under review are given below.

**Personnel Management**

1. **Staff Strength**

The institute had a staff strength of 340 persons by the end of the last fiscal year. This includes 177 regular and 163 contract personnel coming under various categories such as teaching, administrative, project, clinical, technical and other professional staff.

1. **New Recruitment**

A large number of peronnel were appointed newly to various position in the institute, in the report year. This includes 43 regular staff under A,B and C classes and various categories of contract staff. Thus the year witnessed the largest number of recruitment in the history of the institute.

1. **Promotion**

Mr.Prasad was promoted to the post of Accounts Officer and Dr.K.C Shyamala to the post of Professor (scale .....) under Assessment Promotion Scheme.

1. **Retirement/Repatriation/Resignation**

During the reporting year, 4 staff members superannuated, 1 repatriated and 2 resigned from the regular service of the institute. In addition to this, 91 contract staff working under various capacities were relieved / resigned from the service during the period.

**Financial Management**

The matters related to the financial status of the institute during the last fiscal year are given in Appendix – I.

**Official Language Implementation**

Various programmes were arranged during the year to accelerate the activities on Official language Implementation.

1. **Hindi Training and examination :** The staff members who attendedHindi classes in July – November 2010 session were Smt N. Devi, Lecturer in Audiology, Sri. Raja Sudhakar, Lecturer in Speech Sciences, Sri C. Chethan, Earmould Technician (all for Prabodh) and Sri S. Ram Kumar, Registrar (for Pragya). All of them successfully completed the courses. The staff members nominated for January- May 2011 training session are: Mr. Nidheesh David Kuruvilla, Sr. Lib & Information Assistant (prabodh) and Ms. N. Devi, Lecturer in Audiology (Praveen).
2. **Material Development:** During the year under report, 26General Orders/ Memos/ Notes/ Circulars, 21 Training material/ Handouts,2 Invitation and 17 Certificates were rendered in Hindi
3. **Counselling:** 5359 Hindi speakingpersons with communication disorders who visited the institute for treatment were counselled in Hindi.
4. **Word a day in Hindi :** A list of most frequently used words in official settings was displayed in Administrative Block, Academic Block, Library, Therapy Clinic and Pre School
5. **OL Correspondence:** Letters to outside organizations, Office Notes etc., were signedin Hindi in addition to sending replies in Hindi to the letters received in Hindi.
6. **Distance Education through Video Conferencing:** The course material for the DHLS was made available in different languages including Hindi, the official language. 1/3rd of the mid term answer scripts of DHLS examinations written in Hindi were evaluated by the departmental faculty.
7. **Hindi Competitions (External):** Employees of the institute were nominated for various Hindi Competitions viz., Quiz, Essay, debate etc., conducted by different Central Government Organizations in Mysore organized. Mr. Mallikarjunaiah, Security Officer won II Prize in the Essay competition organized by Central Hindi Institute, Mysore on 25.08.2010.
8. **Hindi Week, September. 2010:** Hindi Week was conducted in the Institute from 13th to 17th September 2010. Various competitions were held on the occasion and prizes were awarded, thus giving impetus for propaganda of official language among the staff and students.
9. **External Hindi Workshops/ Guest Lectures**
10. Dr. HP Uma Saraswathi, Hindi Translator was deputed to attend Two day Workshop from 26.08.10 to 27.08.10 at Central Institute of Hindi, Mysore.
11. Dr. H P Uma Saraswathi, Hindi Translator was sponsored to give lectures at outside organizations viz., BSNL and DFRL, Mysore, during their Hindi Workshop.
12. **Internal Hindi Workshop:** Two-day Hindi Workshop was organized from 17.01.2011 to 18.01.2011. A total of 17 participants from various departments attended the same. Faculty from outside organizations were invited as guest lecturers and certificates were issued to the participants.

**Award ???**

8

Infrastructure Development and Maintenance Activities

The major infrastructure development and maintenance activities of the institute are being carried out by the maintenance section constituted of engineering and horticulture departments.

**Engineering Works**

Last year the engineering section undertook 46 items of work in the institute. These include construction of new buildings and renovation and retrofit of existing ones. Of these, except 14, all other works were completed by the end of the year. The total cost of the work was around Rs. 200 lakhs.

**Horticulture Activities**

The horticulture section is responsible for the garden maintenance and landscape management of the institute.

Last year the section maintained, preserved and enhanced natural beauty of the premises by growing trees and ornamental species of plants. 500 ornamental plants and 2000 flower pots were developed. The Horticulture section participated in the “Dasara Horticultural Flower show 2010” conducted by State Horticultural Department at Mysore and won two first 1st prizes, two 2nd prizes and one 3rd prize for well garden maintenance and growing of flowers in pots and beds.

**Purchase of Equipments**

The institute also strengthened its infrasturtcture through the upgradation of existing scientific equipments and procuring a number of sophisticated tools and instruments. It spent a total amount of Rs. 4,37,31,531.00 towards the purchase 134 items of equipments, last year.

9

Extra-Curricular Events

The extracurricular activities in the institute are being organised by ‘AIISH GYMKHANA’ and the National Service Scheme unit.

**AIISH GYMKHANA**

AIISH Gymkhana is an association of staff and students of the institute.It acts as a platform for recreational, sports,social and cultural activities of its members.The major programs organised by Gymkhana last year are given below.

* **Gandhi Jayanthi celebrations** : AIISH Gymkhana celebrated the Gandhi Jayanthi on 2nd October, 2010. As part of the celebrations, competitions were held for staff and students of AIISH Gymkhana. The function was special with the gracious presence of Shri Vedanta Hemmige, freedom fighter and Ex-MLA.
* **Open Day** : AIISH Open Day for the year 2010-11 was held on 29th October,2010 . It is being conducted for awareness among the school children ,colleges and the general public and educate them on speech production , hearing mechanism, prevention and management of communication disorders and vocal hygiene. Last year’s Open Day was inaugurated by Dr. N. Rathna, former Director of AIISH and Dr. Prabha Mandal, Pediatrician was the Guest of Honor for the program. Various competitions were held including drawing, painting, pick and speak etc on aspects of speech and hearing for school children and college students. Competitions were also held for parents of children with communication disorders on various aspects. School children from rural parts of Hulalli, Gumballi and Akkihebbalu also participated in the program.
* **Kannada Rajyotasava** : AIISH Gymkhana celebrated Kannada Rajyotsava on 12th November,2010 at the Seminar Hall of the institute.As part of the celebrations competitions were held for staff and students of AIISH Gymkhana form 9.11.2010 to 11.11.2010. The competitions included folk song, poster making in Kannada and picture naming in Kannada. Shri H.K. Ramanath, dramatist and literateur who served at the Regional Institute of Education, Mysore was the Chief Guest during the occasion.
* **Science Day** : AIISH Gymkhana celebrated the National Science Day on 28th February,2011 as a mark of respect to the most eminent scientist of India and the World, Sir C.V.Raman. As part of the celebrations, competitions were held for staff and students of AIISH Gymkhana on 26th February, 2011. Dr.Mewa Singh, Professor of Psychology ,Dean Science Faculty Department of studies in Psychology , University of Mysore graced the occasion as Chief Guest.
* **International Women’s Day:** International Women’s Day was celebrated on 28th February,2011 as a mark of respect, appreciation and love towards women. The celebration was graced by Dr. M. Indira., Professor and Honorary Director, Centre for Women’s Studies, University of Mysore. As part of the celebration, as panel discussion was held on various issues related to “ multifaceted roles of women” The panel included students and staff members of the AIISH Gymkhana.
* **Traffic Awareness Skit:** Students of AIISH Gymkhana and special children from the institute participated in Rhythmic Weekly Wellness, a program organised by Dr.Anil Sangli. Consultant Neuro and Spine surgeon and staged a street play on “Traffic Wellness”. The Street Play was centred on the theme” Rash driving- A road to life with handicap”.
* **Cultural and Sports Competitions:** The following cultural and sports competitions were conducted for students and staff of the institute and prizes for the same were distributed on 12th March 2011 at the “AIISH Aawaaz 20011” function. Dance (Group and Solo), Singing Competition (group and Soslo), Rangoli Raw, Salad making, Antakshri, Flower arrangement, Poem writing and Pick and Speak, Cricket, Volleyball, Throw ball, Carrom, Chess, Shuttle badminton, Shotput throw, Lemon race and slow Cycling race were held.
* **AIISH AAWAAZ 2011:** The inter collegiate festival, “AIISH AAWAAZ 2011” was conducted on 11-13 March, 2011 at Panchavati Campus of the institute. The inauguration of the event was held on 11.03.2011 Mr. Prem, Kannada cine Actor and Vid. Nandini Eshwar, Danseuse, Mysore graced the occasion as chief Guest and Guest of Honour respectively. The valedictory ceremony was held on 13th March 2011. Dr. N.P Nataraja, Director, J.S.S Institute of Speech and Hearing, Mysore was the chief Guest.Students representing more than 20 colleges in and around Mysore participated in the cultural events in connection with the Inter college competitions held to mark the event of “AIISH AAWAAZ 2011”
* **Release of News Letter:** “Kuhoo kuhoo”, the news letter of Gymkhana was revived and the first volume was released on 10th March 2011 on the inaugural function of “AIISH Aawaaz 2011”.

**NSS Activities**

Previous year, NSS unit organised 3 educational programs namely (i) Ongoing special coaching program to the needy students on core subjects of speech and hearing of the Institute (ii) A Lecture on ‘Tips to prepare for and write in exams’(iii) Pamphlet distribution on ‘Dos and donts while celebrating Diwali’.

In addition to these, the unit also conducted 10 shramadan activities in around the institute campus.

Complete picture ..........

10

Other Activities and Events

The other major activities/events taken place during the year under report are the following.

1. **Technological Consultancy Services**

The department of Electronics is equipped with state-of the art equipments and expertise in the area of acoustic noise measurements. During the reporting year, the following consultancy services were carried out by the department.

1. Ambient noise and Reverberation time measurements at National Centre of Biological Sciences, Bangalore
2. Reverberation time measurement at Kalamandira, Mysore
3. Electro acoustic evaluation of 66 hearing aids received from the following agencies.
4. DRC, Chengalpet,
5. State Commissioner for differently abled, Tamil Nadu.
6. District Project Officer, SSA, Malappuram, Kerala

**2. Public Lecture Series**

The institute continued to deliver its ‘monthly public lecture series’ program, the objective of which is to create awareness among the public regarding various aspects of communication disorders. During the program, experts in the field deliver one-hour lecture. The details of the lectures delivered are given below.

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**3. Awards and Laurels**

Various awards and laurels received by the staff and students during the report are given below.

i) The following awards were presented to the students at the convocation held at the University of Mysore:

* Ms. S. Priyashri was awarded *P.D. Manohar Gold Medal* for securing highest marks in M.Sc. (Speech-Language Pathology) in June 2010 examinations.
* Mr. Prashanth Prabhu was awarded *Arathi Venkataraman Gold Medal* for securing highest marks in M.Sc. (Audiology) in June 2010 examinations.
* Ms. Vinni Chhabra was awarded *Sri. D.K. Venkatesh Murthy Medal* for securing I rank in B.Sc. (Speech & Hearing) in May 2010 examinations.
* Ms. S. Priyashri was awarded *Smt. Jayalakshamma Medal* and *Friends United* *Organization Endowment Scholarship* for securing highest marks in M.Sc. (SLP) in June 2010 examinations.
* Mr. Prashanth Prabhu was awarded *Abhilasha Award* for best student clinician in Final M.Sc. for the year 2009-10.

ii) Jyothi,Kanchan, &**Sujeet Kumar Sinha.** won M Raghunath Memorial Award for

best poster presentation in Audiology for the paper entitled ‘Test-retest-reliability of

cochlear hydrops analysis masking procedure test at ISHACON43 at Kolkata held on 21- 23 January 2011.

iii) Dr. Santosh. M, Reader, Department of Speech-Language Science won the Best Paper in Speech- Language Pathology for the paper titled “Prevalence of voice problems in university teachers” at 7th Annual Conference of Association of Phonosurgeons of India - PHONOCON 2011 from 25-27 February 2011, The Army Hospital (Research & Referral) New Delhi.

iv) Ms. P. Vijetha, Lecturer in Special Education was awarded M.Phil (Education) degree from Sri Venkateshwara University in February 2011.

1. **Distinguished Visitors**

The institute attracted a large number of distinguished scholars in the field and eminent personalities in public life both from India and abroad, who visited various departments during the year under review.

A few among them include the following:

|  |  |  |
| --- | --- | --- |
| **Name** | **Designation** | **Date of Visit** |
| Dr. E. V Ramana Reddy | Secretary, Department of Health and Family Welfare, Government of India |  |
| Dr. Anirban Biswas, M.S | Neurotologist, President, Association of Otolaryngologists of India. |  |
| Dr. Geetha Avadhani | Professor & Head, Department of General Surgery and Medical Superintendent, K.R. Hospital |  |
| Mr. Keshav Desiraju | Additional Secretary, Ministry of Health and Family Welfare |  |
| Dinesh Trivedi | Union Minister of State for Health and Family Welfare visited the institute |  |
| Students (Name) | Utrecht University of Applied Sciences, Netherlands. |  |
| Dr. G.N. Rangamani | Visiting Full-Bright Scholar |  |
| Dr. M D. Ravi | Professor of Paediatrics & Vice Principal Clinical, JSS Medical College |  |
| Dr. T. K. Parthasarathy | Prof. & Chair, Dept of Special education, Southern Illinois University |  |
| Mr. Apurv Kumar | Clinical Specialist, Cochlear, Bangalore |  |
| Dr. M.V. Kirtane | Prof. Emeritus, ENT Consultant at Hinduja Hospital, Mumbai |  |
|  | Special Educators , Cara Society, Maldives |  |
| Dr. Sivaratnamma L. Vaya | Director, Institute of Behavior Sciences and Directorate of Forensic Sciences, Gandhi Nagar, Gujarat |  |
| Mr. Harsh Gupta | District Commissioner, Mysore |  |
| Ms. Jyothi Murthy | Speech-Language Pathologist and Coordinator of Speech Language Services, TIEE, California |  |
| Dr. Giri Hegde | Prof. Emeritus of Speech Language Pathology, California State University, Fresno, USA |  |
| Dr. Suma Bhat | post-doc researcher from the University of Illinois |  |
| Mr. A.K. Sinha | Finance Officer, Ministry of Health and Family Welfare, GOI, New Delhi, |  |
| Prof. Subba Rao | Director, JIPMER, Pondicherry, Ministry of Health and Family Welfare |  |
|  | Expert team from PDR, Korea |  |
| Ms. Halley | UG Speech and Hearing student from New Castle University, UK |  |
| Mr. Ahmad Shareef | CBR Manager, Community Based Rehabilitation Center, South Province, Additional/Thinadhoo Republic of Maldives |  |

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The Year in Pictures