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## FROM THE DIRECTOR'S DESK

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I am pleased to present the unabridged version of the Annual Report 2010-11. In this, a detailed account of the activities taken place in the institute during the preceding year is given. The organization of contents in this volume is according to the department/section-wise. Chapter one gives an overview of the various activities of the institute. Chapter two details the courses offered and other academic activities carried out during the year, under the academic section of the institute. Chapter three discusses the academic, research and clinical activities of 11 departments of the institute namely, Audiology, Centre for Rehabilitation and Education through Distance Mode, Clinical Psychology, Clinical Services, Electronics, Otorhinolaryngology, Prevention of Communication Disorders, Special Education, Speech-Language Pathology, Speech-Language Sciences, and Material Development. Chapter four explains the activities of the central facilities namely, Library and Information Centre, Public Information Office, National Service Scheme and Gymkhana. In chapter five, activities of administration and maintenance sections have been incorporated. Chapter six details the monthly public lecture series, awards and laurels received by the staff and students and the eminent visitors of the institute during the reporting year.



Dr. S. R. Savithri

Director

# 1

## INSTITUTE PROFILE

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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 46 years. In pursuit of its mission of ensuring effective communication by one and all, the institute (a) generates and prepares knowledgeable and skilled practitioners in Speech - Language Pathology and Audiology and allied fields, who can provide state-of-the art, client-centered service in multiple settings,(b) conducts both basic and applied research in areas related to communication disorders and disseminates the findings among the local, national and international audiences, (c) provides affordable, accessible and high-quality speech, language, and hearing clinical services to the needy ones, and (d) 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, postgraduate 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 and Education through Distance Mode, Clinical Psychology, Clinical Services, Electronics, Otorhinolaryngology, Prevention of Communication Disorders, Special Education, Speech-Language Pathology, Speech-Language Sciences, and Material Development.

The institute has been recognized as a Centre of Excellence in the area of deafness by World Health Organization, as a Centre of Advanced Research by University Grants Commission, as a Science & Technology Institute by Department of Science and Technology, Government of India and as the nodal centre for implementation of prevention and control of deafness by Ministry of Health & Family Welfare, Government of India.

### MAJOR ACTIVITIES

The major activities of the institute are outlined below.

#### A. MANPOWER DEVELOPMENT

AIISH is the very first institute in the country to have offered specialization in Masters, Doctoral and Post doctoral programs in the field of Speech-Language Pathology, and Audiology. The personnel

involved in the mission of generating manpower in the field of speech and hearing include highly qualified faculty in the core departments of Audiology, Speech-Language Pathology, Speech-Language Sciences, Centre for Rehabilitation and Education through Distance Mode (CREDM), Prevention of Communication Disorders (POCD) and Clinical Services. It also includes the able faculty from the departments of allied areas such as Departments of Clinical Psychology, Electronics, Otorhinolaryngology, Material Development, and Special Education. The Academic Section coordinates various academic activities of the institute.

## **B. RESEARCH ACTIVITIES**

The Institute 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 come under two broad categories: (a) Faculty Research and (b) Student Research. Extramurally funded research projects are sponsored by national and international agencies like Department of Science & Technology, Government of India and World Health Organization. Intramurally funded research projects are sponsored by the institute through the AIISH Research Fund (ARF). Student researches are being carried out at the institute under the supervision of experienced faculty members. These include (a) Doctoral and Post-doctoral Research, and (b) Postgraduate Research.

## **C. CLINICAL SERVICES**

The institute offers a wide variety of clinical services to persons with communication disorders all over the country. Clinical activities of the Institute can be broadly categorized as: (a) general clinical services (b) specialized clinical services (c) clinical outreach services (d) clinical electronic services and (e) clinical support services. Highly skilled clinical practitioners of the departments of Audiology, Clinical Services, Speech - Language Pathology, Speech - Language Sciences along with allied professionals at the departments of Otorhinolaryngology and Clinical Psychology have been delivering outpatient general clinical services. In addition to the general clinical services, the institute also delivers a number of specialized clinical services pertaining to augmentative and alternative communication, autism spectrum disorders, fluency disorders, listening training, professional voice care, structural cranio-facial anomalies, vertigo, and preschool services to children with communication disorders. Also, the institute facilitates the services of various allied medical specialities to the needy clients with communication disorders who register in the department of clinical services. The patients can avail the consulting services from Paediatrician, Neurologist, Plastic surgeon, Prosthodontist, Phonosurgeon etc.

## **D. EXTENSION SERVICES**

Due to geographical, social and financial reasons many persons with communication disorders are unable to come directly to the institute. Also there is lack of awareness about communication disorders

and preventive measures. To resolve these issues, the institute undertook extension services as follows:

- a. Publicity and Information activities by which all the programs and events related to the institute are being communicated through the electronic and print media. Public education material related to communication disorders are also being prepared and distributed among the public to create awareness on communication disorders.
- b. Camps are being conducted at various places within Karnataka and other neighboring states to educate the public regarding communication disorders. These camps are mainly sponsored by Non-government organizations.
- c. Orientation lectures on prevention, identification and management of communication disorders/ impairment are given by the staff to various target groups.
- d. Innovative clinical outreach services are provided to persons with communication disorders at distant places through tele-diagnostic and rehabilitation services and e-discussion forums.
- e. Health screening programs for speech and hearing disorders in different settings in various localities are organized and provide diagnostic and therapeutic services.
- f. Monthly public lecture series program is being conducted with the objective of creating awareness among the public on various communication disorders. In this program, experts in the field deliver one-hour lecture on various topics on communication disorders.

## 2

# ACADEMIC SECTION

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One of the major objectives of the institute is to generate manpower in the field of speech and hearing in the country. It is the very first institute in the field which offered specialization in Masters, Doctoral, and Post doctoral programs in the field of Speech-Language Pathology, and Audiology. The Academic Section coordinates various curricular activities of the institute.

### A. 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 Speech (DHLS) was offered in 12 centres across the country and classes were conducted through video conferencing. Table 1 shows the name, duration and the number of seats available for each program.

Table 1: Academic Programs Offered

Sl.No.	Program	Duration	No. of Seats
1.	DHA & ET	1 year	25
2.	DTY(DHH)	1 year	20
3.	DHLS	1 year	300*
4.	B.Sc. (Speech & Hearing)	4 years	62
5.	B.S.Ed. (Hearing Impairment)	1 year	20
6.	PGDFSST	1 year	10
7.	PGDCLSLP	1 year	10
8.	PGDNA	1 year	10
9.	M.Sc. (Speech-Language Pathology)	2 years	36
10.	M.Sc. (Audiology)	2 years	36
11.	M.S.Ed. (Hearing Impairment)	1 year	20
12.	Ph.D. (Audiology)	3 years	4
13.	Ph.D. (Speech-Language Pathology)	3 years	4
14.	Post Doctoral Program	2 years	2
<b>Total</b>			<b>559</b>

\*25 each in 12 centres across the country

**Diploma in Hearing Aid and Ear Mould Technology (DHA & ET):** This diploma program aims at training the students in the maintenance and repair of hearing aids as well as in ear mould technology. The focus is more on practical training and the student trainees are given hands-on experience in the repair of different types of hearing aids and preparation of ear moulds.

**Diploma in Teaching Young (Deaf & Hard of Hearing) (DTY (DHH)):** This program helps in the generation of manpower that will cater to the needs of children below 3 years of age and their caregivers. It helps children with hearing impairment to be equipped with pre-school and pre-academic skills which would enable them to adapt to school curriculum. This would further help in mainstreaming these children with their normal peer group.

**Diploma in Hearing, Language and Speech (DHLS) :**This diploma program is geared at generating manpower which will cater to the needs of individuals with communication disorders at the grass-root level. In this program the students are trained to identify individuals with communication disorders and make appropriate referrals for further diagnosis. The students in this program spend 50% of their time acquiring the required practical skills.

**B.Sc. (Speech and Hearing):** The students of B.Sc. (Speech and Hearing) are trained in assessment and management of communication disorders in individuals of all the age groups. The training includes theoretical and practical aspects, with focus on clinical teaching. The students get hands-on experience in dealing with patients under the supervision of experienced faculty.

**B.S.Ed. (Hearing Impairment):** Candidates who undergo the Bachelor of Special Education (Hearing Impairment) would learn about ways to rehabilitate children with hearing impairment. This special program prepares general educators to be special educators. It equips teachers with special skills in teaching children with hearing impairment. Faculty in the field of speech and hearing as well as special education joins hands in conducting this program.

**PG Diploma in Forensic Speech Sciences & Technology (PGDFSST) :**The identification of individuals from their speech is an area of speech science that reliably arouses attention of both public and forensic experts. There are a very few forensic laboratories undertaking forensic speaker identification in India. The P.G. Diploma in Forensic Speech Sciences and Technology course intends to train professionals in the area of speaker identification which would be applicable in forensic sciences.

**P.G.Diploma in Clinical Linguistics for Speech-Language Pathology (PGDCLSLP):** Clinical Linguistics is a field of linguistics that deals with the application of linguistic principles to communication disabilities especially in clinical settings. It involves inter-disciplinary study among the various disciplines and sub-disciplines such as speech and language pathology, linguistics behavior sciences like clinical psychology, education among others, and is aimed at studying language development and disorders in specific clinical settings. The course will equip the speech-Language pathologists to assess, diagnose and plan intervention programs for communication problems in the Indian context. More appropriately it will also prepare the candidates to undertake inter-disciplinary research in the areas of speech, language and cognition.

**Post-Graduate Diploma in Neuro-Audiology (PGDNA):** This is a new program with a duration of one year, launched last year. Neuro-audiology 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.

**M.Sc. (Audiology):** The post-graduate program in Audiology imparts in-depth knowledge and skills in the field. As it is difficult to specialize in all aspects of communication sciences while carrying out a composite master's program, AIISH is offering specialization at the master's level as done in other master's programs. The post-graduate program in Audiology focuses providing detailed information about the normal aspects of the auditory system as well as on differential diagnosis and differential management of auditory disorders. The post-graduate students are also trained to identify the research needs and plan research that would help in upgrading the diagnostic, rehabilitative and research programs in the country.

**M.Sc. (Speech-Language Pathology):** The postgraduate program in Speech-Language Pathology imparts in-depth knowledge and skills in the field. As it is difficult to specialize in all aspects of communication sciences while carrying out a composite master's program, AIISH has started offering specialization at master's level as done in other master's programs. The post-graduate program in Speech-Language Pathology focuses on differential diagnosis and differential management of speech language disorders. The post-graduate students are also trained to identify the research needs and plan research that would help in upgrading the diagnostic, rehabilitative and research programs in the country.

**M.S.Ed (Hearing Impairment):** The manpower generated by B. Ed (HI), course will be equipped with basic skills required to teach children with hearing impairment. To fulfil the needs of planning educational programs, making policy decisions and serving as master trainers in the area of special education, masters' level training is essential. Hence, M.S.Ed (HI) is being introduced to impart higher level training to special educators in the area of education of children with hearing impairment.

**Doctor of Philosophy (Ph.D.) in Audiology, Speech-Language Pathology:** Two doctoral programs are being conducted in the areas of Audiology, and Speech-Language Pathology. The program is affiliated to the University of Mysore. It is geared towards increasing quality and quantity of research in the area of communication disorders. The institute has state-of-the-art test facilities and equipments, clientele and collaboration to undertake research in a wide range of areas related to communication disorders.

**Post Doctoral program:** The program is geared towards increasing quality and quantity of research in the area of Speech and Hearing.



## B. Admission and Enrolment

Admissions to Bachelor's degree in Speech and Hearing, 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. Admissions 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 qualifying examinations. Students were admitted to Ph.D. and Post Doctoral programs based on interview and merit in the qualifying examination.

Last year, 482 students appeared for the B.Sc. (Speech and Hearing) entrance examination conducted at Delhi, Kolkata, Guwahati, Mumbai, Chennai and Mysore. Entrance examinations to M.Sc. in Audiology and M.Sc. in Speech - Language Pathology held at AIISH, 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. 187 students were admitted to the Diploma in Hearing, Language and Speech in 12 study centres across the country. The details of students admitted to each course are given in table 2. State-wise distribution of students enrolled in 2010-11 is shown in figure 1 and the gender-wise distribution is given in table 3.

Figure 1: State-wise distribution of Enrolled Students.

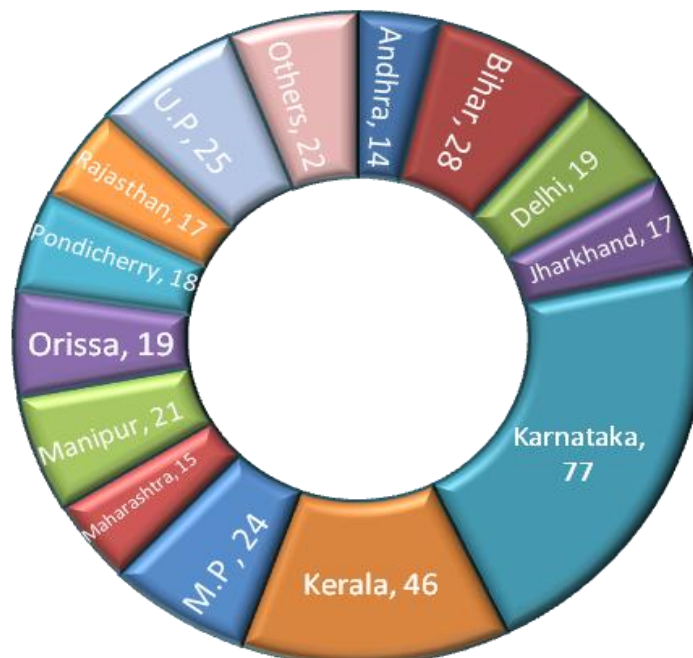


Table 2: Student Intake 2010-11.

Sl. No	Program	Intake
1.	DHA & ET	4
2.	DTY(DHH)	8
3.	DHLS	
	AIISH, Mysore	6
	JIPMER, Puducherry	18
	RIMS, Imphal	17
	AIIPMR, Mumbai	14
	RML, New Delhi	14
	IGMC, Shimla	4
	RIMS, Ranchi	14
	SRBMC, Cuttack	18
	JNMC&H, Ajmer	13
	CSMMC, Lucknow	21
	NSBC, Jabalpur	23
	JNMC&H, Bhagalpur	25
4.	B.Sc. (Speech & Hearing)	61
5.	B.S.Ed. (Hearing Impairment)	3
6.	PGDFSST	4
7.	PGDCL.SLP	3
8.	PGDNA	8
9.	M.Sc. (Speech-Language Pathology)	36
10.	M.Sc. (Audiology)	36
11.	M.S.Ed. (Hearing Impairment)	3
12.	Ph.D. (Audiology)	2
13.	Ph.D. (Speech-Language Pathology)	7
14.	Post Doctoral Fellowship	-
<b>Total</b>		<b>362</b>

Table 3: Gender-wise Distribution of Admitted Students.

Program	Male	Female	Total
DHA&ET	2	2	4
DTY(DHH)	-	8	8
DHLS	119	68	187
B.Sc.(Sp& Hg)	11	50	61
B. S. Ed. (HI)	2	1	3
PGDFSST	-	4	4
PGDCL-SLP	-	3	3
PGDNA	5	3	8
M.Sc. (Audiology)	9	27	36
M.Sc. (SLP)	9	27	36
M.S.Ed. (HI)	3	-	3
Ph.D.	7	2	9
<b>Total</b>	<b>167</b>	<b>195</b>	<b>362</b>

**Student Strength:** In the current year, 586 students were studying for various programs in the institute, the details of which are given in table 4.

Table 4 : Student Strength.

Sl. No	Program	No. of Students
1.	DHLS	*187
2.	DHA&E.T	4
3.	DTY(DHH)	8
4.	First Year B.Sc. (Sp. & Hg.)	61
5.	Second Year B.Sc. (Sp. & Hg.)	62
6.	Third Year B.Sc. (Sp. & Hg.)	46
7.	Interns	36
8.	First Year M.Sc. (Audiology)	36
9.	Second Year M.Sc. (Audiology)	36
10.	First Year M.Sc. (SLP)	36
11.	Second Year M.Sc. (SLP)	35
12.	B.S.Ed	3
13.	M.S.Ed	3
14.	PGDCL.SLP	3
15.	PGDFSST	4
16.	PGDNA	8
17.	JRF	17
18.	Post Doctoral Fellowship	1
<b>Total</b>		<b>586</b>

\*Total number of students in 12 study centres.

### C. Academic Awards

The institute achieved spectacular results in the final examinations conducted last year with 100 percent pass in DHA & ET, DTY(DHH), 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 5.

### D. Internship

Fifth batch of internship students successfully completed their 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

Table 5: Academic Awards: 2010-11.

Sl. No	Program	No of Students appeared	Overall pass	Percentage
1	DHA & ET	4	4	100
2	DTY(DHH)	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-SLP	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

### E. Stipend and Other Financial Assistance

The institute provides stipend to all eligible students pursuing various courses. The details of stipend issued last year are given in table 6. 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 Department of Science & Technology, Govt.of India, to attend the 4th annual conference on 'coming of age: dementia in 21st century' held at University of Stirling, Excel, London, on 19 - 24 October, 2010.

Table 6: Stipend Issued.

Sl. No	Program	Stipend per month(in ₹)
1	Diploma programs	250.00
2	B.Sc. (Sp. & Hg.)	400.00
3	B.Sc. (Internship)	3500.00
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	500.00
9	Ph. D. (1 <sup>st</sup> and 2 <sup>nd</sup> year)	14000.00 + HRA
10	Ph. D. (3 <sup>rd</sup> year)	15000.00 + HRA
11	Post Doctoral Fellowship	18750.00 + HRA

### F. 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 a faculty strength of 53. This includes, 43 regular and 10 contract faculty. Category-wise, there were 35 lecturers, 9 readers and 9 professors. The size of faculty grew from 34 in 2009-10 to 53 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; Apollo BGS Hospital, Mysore who imbibed the students with their expert knowledge. Six guest faculty members belonging to allied area delivered their lectures last year.

### G. Guest Lectures

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 as given in table 7.

Table 7: Guest Lectures.

Sl. No	Name	Topic	Date
1.	Dr. Sivaratnamma L Vaya, Director, Institute of Behavior Sciences and Directorate of Forensic Sciences, Gandhi Nagar, Gujarat.	Professional identity of clinical psychologist in India - where are we: An introspection.	19-05-10
2.	Ms. Rajashree Sreerangarajan, Speech Language Pathologist , Palo Alto, California, USA.	Pragmatic intervention : Application in autism spectrum disorders.	12-08-10
3.	Ms. Jyothi Murthy, Speech-Language Pathologist and Coordinator of Speech Language Services, TIEE,USA.	Preparing young children with autism spectrum disorders to learn language.	12-08-10
4.	Dr. D.S. Guru, Associate Professor, Dept. of Computer Science, University of Mysore, Mysore.	Choice based credit scheme(CBCS)	20-10-10
5.	Dr. Giri Hegde, Professor Emeritus of Speech Language Pathology, California State University, Fresno, USA.	Clinical research methods in communication disorders and on professional writing.	11-12-10
6.	Dr. M D. Ravi, Professor of Paediatrics & Vice- Principal (Clinical), JSS Medical College, Mysore.	Development of the auditory system.	16-12-10
7.	Dr. T. K. Parthasarathy, Professor & Chairman, Dept of Special education, Southern Illinois University, USA.	Issues in assessment of auditory processing disorders in children.	16-12-10
8.	Mr. Apurv Kumar, Clinical Specialist, Cochlear, Bangalore.	Cochlear implant candidacy: Issues and challenges	17-12-10
9.	Mr. Milind Sonawane , Speech - Language Therapist, Ireland.	Assessment and intervention of autism spectrum disorders for caregivers.	30-12-10
10.	Dr.G.N. Rangamani, Professor, St. Cloud State University, U.S.A.	Student assessment procedures	27-01-11
11.	Dr. M.V. Kirtane, Professor Emeritus and ENT Consultant, Hinduja Hospital, Mumbai.	Evaluation of vestibular dysfunction: techniques and interpretation.	29-01-11
12.	Dr. Pranasha Rao, Senior Speech Language Pathologist and Audiologist, Bangalore.	Alternate management techniques of vestibular disorders	30-01-11
13.	Dr. Suma P.Bhat, Post-doctoral researcher, University of Illinois, Urbana-Champaign and Consultant for Educational Testing Services, Princeton, USA.	Automatic assessment of oral fluency in second language speech.	28-02-11

## **H. In-House Training Program**

The academic section had organised an in-house training program on 'Pedagogy and Evaluation Methods' on 17<sup>th</sup> November 2010. The objective of the program was to update and orient the faculty on the new and innovative techniques in pedagogy and evaluation methods, suiting the level of the programme. 43 faculty members from various departments attended the program.

# 3

## DEPARTMENTS

### DEPARTMENT OF AUDIOLOGY

#### Profile

Falling in line with the broad objectives of the institute, the Department of Audiology seeks to impart professional training, render clinical services, conduct research and educate public on issues related to hearing impairment. In order to achieve objective of increasing human resource in the field of Audiology, and to update professional competencies of serving specialists in the field, the department is involved in several short term and long term training programs at the diploma, graduate and postgraduate level respectively. The clinical services rendered in the department cover a range of activities including assessment of hearing, selection and fitment of hearing devices, making provision of custom ear moulds and rehabilitation of individuals with hearing impairment. Departmental research activities cover extramural and institute funded projects, postgraduate and doctoral research, participation in seminars or symposia. Public education activities related to hearing impairment usually carried out in coordination with other departments of the institute involves organizing guest lectures, observation of special events, participation in disability detection camps, public lectures etc.

#### ACADEMIC ACTIVITIES

##### A. Guest Lectures

The department organized six guest lectures during previous year. The details are given in Table 8.

Table 8: Guest Lectures.

S.No.	Resource Person	Topic	Date
1	Dr. M D. Ravi, Prof. of Paediatrics & Vice Principal (Clinical), JSS Medical College.	Development of the auditory system.	16.12.10
2	Dr. T. K. Parthasarathy , Prof. & Chair, Dept of Special education, Southern Illinois University, USA.	Issues in assessment of auditory processing disorders in children.	16.12.10
3	Mr. Apurv Kumar, Clinical Specialist, Cochlear, Bangalore.	Cochlear implant candidacy: Issues and Challenges.	17.12.10
4	Dr. M.V. Kirtane, Prof. Emeritus, ENT Consultant, Hinduja Hospital, Mumbai.	Evaluation of vestibular dysfunction: Techniques and interpretation.	29-01-11
5	Dr. M.V. Kirtane, Prof. Emeritus & ENT Consultant, Hinduja Hospital, Mumbai.	Management of vestibular disorders: An overview.	30.01.11
6	Dr. Pranasha Rao, Senior Speech Language Pathologist and Audiologist, Bangalore.	Alternate management techniques of vestibular disorders.	30.01.11

## B.Short-term Training Programs

The short-term training programs organized by department during preceding year are given below.

- |   |                               |  |
|---|-------------------------------|--|
| 1 | <b>Topic</b>                  | Observed clinical activities of the Department.  |
|   | <b>Objectives</b>             | To sensitize the target population on prevention and identification of hearing impairment. |
|   | <b>Target Audience</b>        | Student, Presentation Secondary School Miltown, County & Kerty, Ireland.                   |
|   | <b>Number of Participants</b> | 1.   |
|   | <b>Date</b>                   | 7 June 2010.   |
| 2 | <b>Topic</b>                  | Observed clinical activities of the Department.  |
|   | <b>Objectives</b>             | To sensitize the target population on prevention and identification of hearing impairment. |
|   | <b>Target Audience</b>        | C4D2, AIISH, Mysore.   |
|   | <b>Number of Participants</b> | 11.  |
|   | <b>Date</b>                   | May, June & July 2010.   |
| 3 | <b>Topic</b>                  | Audiological diagnosis and management.   |
|   | <b>Objectives</b>             | To provide clinical knowledge in evaluation and management of hearing impairment.          |
|   | <b>Target Audience</b>        | Internship students (Clinical), University of Applied Sciences, Utrecht, Dutch.            |
|   | <b>Number of Participants</b> | 3.   |
|   | <b>Date</b>                   | 12 -28 July 2010.  |
| 4 | <b>Topic</b>                  | Audiological diagnosis and management  |
|   | <b>Objectives</b>             | To provide clinical knowledge in evaluation and management of hearing impairment.          |
|   | <b>Target Audience</b>        | PG students ,KIMS,Hubli.   |
|   | <b>Number of Participants</b> | 2.   |
|   | <b>Date</b>                   | 18 –19 October 2010.   |
| 5 | <b>Topic</b>                  | Audiological diagnosis and management.   |
|   | <b>Objectives</b>             | To provide clinical knowledge in evaluation and management of hearing impairment.          |
|   | <b>Target Audience</b>        | ENT PG students, KIMS, Hubli.  |
|   | <b>Number of Participants</b> | 2.   |
|   | <b>Date</b>                   | 16 -21 December 2010.  |
| 6 | <b>Topic</b>                  | Audiological diagnosis and management.   |
|   | <b>Objectives</b>             | To provide clinical knowledge in evaluation and management of hearing impairment.          |
|   | <b>Target Audience</b>        | PG students. Mysore Medical College, Mysore  |
|   | <b>Number of Participants</b> | 2.   |
|   | <b>Date</b>                   | 15-16 December 2010.   |
| 7 | <b>Topic</b>                  | Audiological diagnosis and management.   |
|   | <b>Objectives</b>             | To provide clinical knowledge in evaluation and management of hearing impairment.          |
|   | <b>Target Audience</b>        | ENT PG student. Mysore Medical College, Mysore.  |
|   | <b>Number of Participants</b> | 1.   |
|   | <b>Date</b>                   | 4 -5 January 2011.   |



8	<b>Topic</b>	Audiological diagnosis and management.
	<b>Objectives</b>	To provide clinical knowledge in evaluation and management of hearing impairment.
	<b>Target Audience</b>	ENT PG students , Medical College, Kolar.
	<b>Number of Participants</b>	2.
	<b>Date</b>	4 -5 January 2011.
9	<b>Topic</b>	Audiological diagnosis and management.
	<b>Objectives</b>	To provide clinical knowledge in evaluation and management of hearing impairment.
	<b>Target Audience</b>	ENT PG students , Medical College, Kolar.
	<b>Number of Participants</b>	2.
	<b>Date</b>	17-18 January 2011.

### C. In-house Training Programs

The department conducted two in-house training programs, the details of which are given below.

1	<b>Coordinator(s)</b>	Dr. Vijayakumar Name.
	<b>Theme</b>	Staff enrichment program on 'Introduction and application of MATLAB'.
	<b>Objectives</b>	To orient regarding the application of MATLAB for stimulus generation, stimulus analysis, editing, EEG analysis and statistics.
	<b>Target Audience</b>	JRF and staff from Audiology and other departments of the institute.
	<b>No. of Participants</b>	15.
	<b>Date</b>	15 August 2010.
2	<b>Coordinator(s)</b>	Dr. Manjula P and Ms. Megha.
	<b>Theme</b>	Cochlear Implant .
	<b>Objectives</b>	To orient on rehabilitation, speech coding strategies, fitting parameters of Maestro 4.0 software, candidacy of middle ear input and Auditory brainstem implant.
	<b>Target Audience</b>	I M.Sc. (Aud), II M.Sc. (Aud), JRFs, Staff of the Department.
	<b>No. of Participants</b>	57.
	<b>Date</b>	5 March 2011.

### D. Seminars/Conferences/Workshops

The department conducted three seminars/conferences/workshops during previous year and the details are given below.

1	<b>Coordinator(s)</b>	Dr. K.J. Ramadevi and Mr. Darga Baba Fakruddin.
	<b>Theme</b>	Fine-tuning of digital hearing aids for individuals with hearing impairment.
	<b>Objectives</b>	To provide information on care, use, trouble shooting of digital hearing aids & recent advances in hearing aid technology.
	<b>Target Audience</b>	Hearing aid users.
	<b>No. of participants</b>	12.
	<b>Date</b>	2 September 2010.

2	<b>Coordinator(s)</b> <b>Theme</b>	Dr. P. Manjula & Ms. Geetha C. National Seminar on Paediatric Hearing Assessment and Rehabilitation.
	<b>Objectives</b>	To provide information regarding identification, assessment, & rehabilitation of children with hearing loss .
	<b>Target Audience</b>	Audiologists.
	<b>No. of participants</b>	34.
	<b>Date</b>	16-17 December 2010.
3	<b>Coordinator(s)</b> <b>Theme</b>	Dr. Animesh Barman & Mr. Sujeet Kumar Sinha. National Symposium on Evaluation and Management of Vestibular Problems.
	<b>Objectives</b>	To understand the role of the vestibular system, causes, assessment and management of vestibular disorders.
	<b>Target Audience</b>	Practicing Audiologists, ENT Specialists and students.
	<b>No. of participants</b>	129.
	<b>Date</b>	29-30 January 2011.

## RESEARCH ACTIVITIES

### A. Funded Research Projects

#### A.1 Projects with Extramural Funding

1.	<b>Title</b>	Issues and strategies for development of human resources for deafness prevention, identification and management.
	<b>Objectives</b>	To identify human resources and strategies for development of prevention, identification and management of hearing impairment.
	<b>Investigator(s)</b>	Dr. Vijayalakshmi Basavaraj and Prof. Manjula P.
	<b>Amount</b>	₹ 2,00,000/-
	<b>Funding Agency</b>	World Health Organization.
	<b>Status</b>	Completed.
2.	<b>Title</b>	Support for the dissemination and use of hearing aids
	<b>Objectives</b>	To empower hearing aid beneficiaries by developing and distributing educational material for individuals with hearing impairment, regarding hearing aid use and care, tinnitus, prevention of hearing impairment.
	<b>Investigator(s)</b>	Dr. Vijayalakshmi Basavaraj and Prof. Manjula P.
	<b>Amount</b>	₹2,17,000/-
	<b>Funding Agency</b>	World Health Organization.
	<b>Status</b>	Completed.
3.	<b>Title</b>	Comparative efficacy of BTEs over body level hearing aids in the development of speech and language among the hearing impaired children.
	<b>Objectives</b>	To study merits of BTEs and binaural BTEs over body level and monaural hearing aids.
	<b>Investigator(s)</b>	Prof. M Jayaram and Prof. Manjula P.
	<b>Amount</b>	₹ 5,03,000/-.
	<b>Funding Agency</b>	DRC (S&T).
	<b>Status</b>	Completed.

## A.2 Projects with ARF Funding

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|--|--|
| <p><b>1</b></p> <p><b>Title</b></p> <p><b>Objectives</b></p> <p><b>Investigator(s)</b></p> <p><b>Amount</b></p> <p><b>Status</b></p> <p><b>Achievements in 2010-11</b></p> | <p>Maturation of auditory processes in children aged 6-11 years.</p> <p>To develop age appropriate norms on children for a battery of tests to identify (C)APD in a group of typically developing children at 2 centers.</p> <p>Dr. Asha Yathiraj and Dr. Vanaja C.S.</p> <p>₹ 3,90,000/-</p> <p>Data collection for children with suspected (C)APD is under progress at Pune.</p> <p>The speech-in-noise test in English and revised auditory memory and sequencing test in English were developed. Data collection has been completed at Mysore center on typically developing children.</p>   |
| <p><b>2</b></p> <p><b>Title</b></p> <p><b>Objectives</b></p> <p><b>Investigator(s)</b></p> <p><b>Amount</b></p> <p><b>Status</b></p> <p><b>Achievements in 2010-11</b></p> | <p>Pre-arithmetic school readiness test for children with hearing impairment.</p> <p>To develop a test for assessing the readiness of children with hearing impairment in pre-arithmetic skills and to assess the utility of the developed tests.</p> <p>Dr. Asha Yathiraj, Dr. I P. Gowramma, Dr. G.Malar, Ms.Prithi Nair and Ms. P. Vijetha.</p> <p>₹.2,20,000/-</p> <p>Final test is being designed.</p> <p>Test material was developed and data was collected for 25 typically developing children.</p>  |
| <p><b>3</b></p> <p><b>Title</b></p> <p><b>Objectives</b></p> <p><b>Investigator(s)</b></p> <p><b>Amount</b></p> <p><b>Status</b></p> <p><b>Achievements in 2010-11</b></p> | <p>Prediction of speech identification scores using speech intelligibility index.</p> <p>A multi-centric study to evaluate the effectiveness of speech intelligibility index in prediction of SRS in Hindi, Marathi and Tamil languages.</p> <p>Dr. Asha Yathiraj , Dr. Manjula P, Dr. Vanaja C.S and Mr. Heramba, G.</p> <p>₹.2,25,000/-</p> <p>In progress.</p> <p>Speech identification test materials have been recorded in the languages considered in the study. 55% of the data have been collected for all four languages. Of this, 83% has been collected in Kannada, 53% in Tamil, 55% in Hindi and 60% in Marathi.</p>                        |
| <p><b>4</b></p> <p><b>Title</b></p> <p><b>Objectives</b></p> <p><b>Investigator(s)</b></p> <p><b>Amount</b></p> <p><b>Status</b></p> <p><b>Achievements in 2010-11</b></p> | <p>Efficacy of fine-grained auditory training in individuals with auditory dys-synchrony.</p> <p>To determine the efficacy of fine-grained auditory training among individuals with auditory dys-synchrony in the perception of voiced-voiced stop consonants on behavioural and electrophysiological measures.</p> <p>Dr. Asha Yathiraj.</p> <p>₹.3,21,000/-</p> <p>Data collection is in progress.</p> <p>Pre and post therapy assessment and fine-grained auditory training has been completed on 75% of the clients with auditory dys-synchrony. The data collected has been tabulated and the draft version of the report is under preparation.</p> |

<p><b>5</b></p> <p><b>Title</b></p> <p><b>Objectives</b></p> <p><b>Investigator(s)</b></p> <p><b>Amount</b></p> <p><b>Status</b></p> <p><b>Achievements in 2010-11</b></p>	<p>Servicing and repair of hearing aids: A profile.</p> <p>To explore various problems encountered by the hearing aid users who have obtained the hearing aids through ADIP scheme and HADS scheme and to quantify/list the problems faced by them when their hearing aids are given for repair. To take up steps or strategies for preventing such problems.</p> <p>Dr. Manjula P, Ms. Devi N, Dr. Ramadevi K.J and Ms.Kalai Sevi.</p> <p>₹.2,22,000/-</p> <p>The data were collected for 6 months and the tabulation of data is in progress.</p> <p>Data were collected, for the hearing aid users for approximately 450 users in which EAC measurements was carried out for approximately 400 hearing aids, including pre- and post-repair.</p>
<p><b>6</b></p> <p><b>Title</b></p> <p><b>Objectives</b></p> <p><b>Investigator(s)</b></p> <p><b>Amount</b></p> <p><b>Status</b></p> <p><b>Achievements in 2010-11</b></p>	<p>Audiovisual perception and processing in individuals with auditory dyssynchrony.</p> <p>To study audiovisual speech processing and perception in individuals with auditory dys-synchrony.</p> <p>Dr. Sandeep M and Ms. Geetha C.</p> <p>₹.3,11,000/-</p> <p>Ongoing.</p> <p>Review of literature is completed. Data collection is in progress. 50% of the target data have been collected.</p>
<p><b>7</b></p> <p><b>Title</b></p> <p><b>Objectives</b></p> <p><b>Investigator(s)</b></p> <p><b>Amount</b></p> <p><b>Status</b></p> <p><b>Achievements in 2010-11</b></p>	<p>Cortical potential as measure of auditory temporal processes</p> <p>To study relationship between cortical potentials, gap detection and speech perception in individuals with auditory neuropathy, cochlear hearing loss and normal hearing.</p> <p>Dr. Vijayakumar Narne, Dr. Animesh Barman and Mr. Sujeet Kumar Sinha.</p> <p>₹.3,24,000/-</p> <p>Statistical analysis and report writing is yet to be completed.</p> <p>Data analysis has to be completed for the groups with cochlear hearing loss and normal hearing.</p>
<p><b>8</b></p> <p><b>Title</b></p> <p><b>Objectives</b></p> <p><b>Investigator(s)</b></p> <p><b>Amount</b></p> <p><b>Status</b></p> <p><b>Achievements in 2010-11</b></p>	<p>Protocol for vestibular assessment and its efficacy in differential diagnosis of balance disorders.</p> <p>To develop a protocol for differential diagnosis of balance disorders and to assess the efficacy of the developed protocol in differential diagnosis of the pathologies related to giddiness.</p> <p>Mr. Niraj Kumar Singh, Mr. Sujeet Kumar Sinha and Dr. Rajeshwari G.</p> <p>₹3,26,000/-</p> <p>In progress.</p> <p>Data collection is in progress. 2/3 portion of the data collection is over.</p>

## B. Doctoral Research

The details of doctoral research carried out in the department during the reporting year are given in Table 9.

Table 9: Doctoral Research.

Sl. No.	Candidate	Topic	Guide	Status
01	Ms. N Devi.	Auditory evoked potential correlation of speech and music in musicians and non-musicians.	Dr. Vijayalakshmi Basavaraj (Till 18.03.11)	Ongoing
02	Mr. Sujeet Kumar Sinha.	Brainstem encoding of speech sounds in the aging auditory system : An electrophysiological study.	Dr. Vijayalakshmi Basavaraj. (Till 18.03.11)	Ongoing
03	Mr. M.K Ganapathy.	Effect of age and noise on acoustic change complex : An electrophysiological study.	Dr. Vijayalakshmi Basavaraj. (Till 18.03.11)	Ongoing
04	Mr. Prawin Kumar.	Computer-assisted listening training program for individuals with hearing impairment.	Dr. Asha Yathiraj.	Ongoing
05	Mr. P.M. Jijo.	The effect of enhancement of amplitude and durational cues on speech perception in individuals with auditory neuropathy spectrum disorders.	Dr. Asha Yathiraj.	Ongoing
06	Ms. Roshni Pillai.	Auditory, visual and auditory-visual processing in children with learning disability.	Dr. Asha Yathiraj.	Ongoing
07	Mr. N. Hemanth.	The Effect of amplification on objective measure at brainstem and cortical level and behavioral measure in individuals with peripheral hearing impairment.	Dr. Manjula P.	Ongoing
08	Ms. C Geetha.	Optimization of compression parameters in hearing aids using Aided Audibility Index.	Dr. Manjula P.	Ongoing
09	Mr. KS Sharath Kumar.	Effect of noise reduction algorithms (NRA) in hearing aids on acoustic and perceptual measures.	Dr. Manjula P.	Ongoing
10	Mr. MP Reuben Jebaraj.	Influence of various hearing aid fitting strategies on speech recognition in individuals with sloping hearing loss.	Dr. Manjula P.	Ongoing
11	Mr. Ranganath.	Development of a test tool for assessment of memory (working memory) in children.	Dr. Rajalakshmi K.	Ongoing

12	Ms. J Delcy Janet.	Auditory Perception test in Tamil (APTT) : A tool for the assessment of auditory perception skills of children with hearing impairment in Tamil language.	Dr. Rajalakshmi K.	Ongoing
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### C. Postgraduate Research

32 M.Sc. (Audiology) students submitted their research reports in partial fulfillment of Master's Degree under the guidance of department faculty. The details are provided in Table 10.

Table 10: Completed Postgraduate Research Works.

Sl. No	Candidate	Topic	Guide
01	Mr.Anuprasad	WARP processing vs. conventional processing. A comparative study in individuals with sensorineural hearing loss.	Ms. Mamatha NM.
02	Ms.Archana	Test battery for music perception in individuals using hearing devices.	Prof. Manjula P.
03	Ms.Badariya M	Effect of age on fatiguing characteristics of efferent inhibition.	Dr. Sandeep M.
04	Ms.Bhavya Rani	Evaluation of speech evoked ABR for selection of hearing aids.	Dr. V. Basavaraj.
05	Mr.Chayakant Patro	Lexical neighbourhood test: an Indian-English version for children.	Prof. Asha Yathiraj.
06	Mr.Darshan S	Temporal fine structure (TFS) sensitivity in individuals with normal hearing and sensorineural hearing loss.	Ms. Mamatha NM.
07	Ms.Dhanya M	OAE profile in individuals with tinnitus.	Dr. Animesh Barman.
08	Ms.Divya Joseph	Conventional BTE vs.RIC (Receiver-in-the-canal) BTE hearing aids: A comparative study on perceptual and acoustic analysis of speech and music.	Dr. Sandeep M.
09	Mr.Giridhar G K	Dichotic rhyme test in Malayalam: A normative data on adults.	Dr. K. Rajalakshmi.
10	Ms.Hasna Fathima	Effect of prescriptive formulas on music perception in hearing aid users.	Dr. V. Basavaraj.
11	Ms.Kamala Sarathy	Effect of syllabic and dual compression on speech identification score across different degrees of hearing loss.	Ms. Devi N.
12	Ms.Kumari Apeksha	Effect of sensorineural hearing loss and digital hearing aid on speech evoked auditory later latency response.	Ms. Devi N.

13	Ms.Love Deep	Development and standardization of spondee word list in Rajasthani language.	Dr. K. Rajalakshmi.
14	Mr.Mohan	Maturation of the cortical evoked potential.	Dr. Animesh Barman.
15	Ms.Nayana S	Development of the profile for evaluating hearing aid benefit in children.	Ms. Devi N.
16	Mr.Neeraja Singh	Findings of Cochlear Hydrops Analysis Masking Procedure (CHAMP) in subjects with suspected and confirmed Meniere's disease.	Dr. V. Basavaraj.
17	Mr.Prashanth Prabhu	Development of auditory comprehension test for children in Kannada.	Prof. Manjula P.
18	Ms.Prashasti	Compressive non-linearity in sensorineural hearing loss – validates through electrophysiological test.	Dr. Rajalakshmi K.
19	Ms.Prathibha K K	Efficacy of ASSR as a tool for estimating loudness growth in children.	Dr. Rajalakshmi K.
20	Ms.Priyanka M	Neurophysiological correlates of auditory training – brainstem and cortical structures.	Dr. Sandeep M.
21	Ms.Ramya	Ear mould modifications and its effect on different subjective and objective measures.	Prof. Manjula P.
22	Mr.Rathnakar	High frequency speech identification test in Telugu.	Ms. Mamatha NM.
23	Ms.Reesha OA	Music perception in audio and audio-visual impaired.	Ms. Devi N.
24	Mr.Rohith H	Auditory evoked cortical responses in children using speech and non-speech stimuli.	Dr. Animesh Barman.
25	Mr.Sarooj Sahoo	Evaluation of performance with open fit and occluded RIC hearing aid.	Prof. Manjula P.
26	Ms.Sreela P.K	Effect of reverberation on speech identification scores of digital hearing aid users.	Ms. Devi N.
27	Ms.Swagathika	Effect of hormonal influence during menstrual cycle on immittance findings.	Ms. Mamatha NM.
28	Mr.Udit Saxena	Effect of background noise on temporal processing in children and young adults.	Dr. Rajalakshmi K.
29	Ms.Usha Shastri	Comparison of performance with BAHA and air conduction hearing aids in individuals with conductive hearing loss and mixed hearing loss.	Prof. Manjula P.
30	Mr.Vijayakumar	Effect of fine grain auditory training in the perception of voicing of stops in individuals with auditory dys-synchrony.	Prof. Asha Yathiraj.
31	Mr.Vinu Francis	VEMP in individuals with otitis media.	Dr. Animesh Barman.

Postgraduate research works of 36 M.Sc. (Audiology) students are going on under the guidance of department faculty. The details are given in Table 11.

Table 11: Postgraduate Research Works Under Progress

Sl. No.	Candidate	Topic	Guide
01	Achaiah M.A	Comparison of preferred and prescribed gain in experienced hearing aid users.	Dr. Vijayakumar Narne
02	Akash Juneja	Acoustic change complex in developing children (7-15 years of age).	Ms. Devi N
03	Akshay Raj Maggu	Effect of temporal pattern training on specific central auditory processes.	Dr. Asha Yathiraj
04	Ms.Anisha A.B.	Immittance findings in infants using different probe tone frequencies.	Ms. Mamatha N.M
05	Ms.Anjana Beninja	Effect of non-linear frequency compression in children with limited benefit from high frequency amplification.	Ms. Geetha C
06	Anoop B.J.	Test retest reliability of VEMP parameters.	Mr. Niraj Kumar Singh.
07	Anoop O. Thomas	Effect of musical training on temporal resolution and speech perception in noise.	Dr. Rajalakshmi K.
08	Ashwini Rao P.N.	Electrically evoked stapedial reflex thresholds: Relationship with behavioral 'T' and 'C' levels in cochlear implant users.	Dr. Asha Yathiraj.
09	Ms.Bhamini Sharma	Relationship between DPOAE fine structure and hearing sensitivity across different age groups and gender.	Mr. Sujit Kumar Sinha.
10	Bharath Bhushan	Physiological correlates of masking level difference.	Dr. Animesh Barman
11	Ms.Chaitra V.	Effect of filtering and compression on right ear advantage.	Mr. Niraj Kumar Singh.
12	Ms.Dhatri S. Devaraju	Developmental changes in co-modulation masking release for puretones: A cross sectional study.	Ms. Mamatha N.M.
13	Ms.Divyashree M.S.	Central auditory maturation and language development in children with hearing impairment.	Ms. Mamatha N.M.
14	Hanan Mohammed	Effect of context on brainstem encoding of speech.	Dr. Sandeep M.



15	Ms.Jyoti	Effect of number of channels of hearing aids on speech perception in varying degrees of sloping hearing loss.	Mr. Niraj Kumar Singh.
16	Mukesh Kumar	Dichotic word test for native Hindi speaking children.	Ms. Chandni Jain.
17	Navdeep Kanwer	Hearing aid benefit questionnaire for adults.	Ms. Devi N.
18	Nike Gnanateja G.	Relation between consonant perception and psychoacoustic measures in auditory dys-synchrony.	Dr. Animesh Barman.
19	Ms.Nimisha Saxena	Temporal resolution in listeners with unilateral deafness.	Dr. Vijaykumar Narne.
20	Ms.Pallavi	Correlation of electrocochleograph (ECochG) and cochlear hydrops analysis masking procedure (CHAMP) in Meniere's Disease.	Mr. Prawin Kumar.
21	Pavan M.	Correlation of Ripple noise discrimination with perception of amplitude compressed speech by individuals with cochlear hearing loss.	Dr. Rajalakshmi K
22	Prabhash Kumar	Effects of hearing aid processed speech on brain stem response.	Dr. Sandeep M.
23	Ms.Pragati Rao M.V.	Hearing aid usage: Relationship between auditory plasticity and audiological measures.	Dr. Manjula P.
24	Ms.Prajna Nayak	Evaluation of hearing aid parameters for optimal music perception in individuals with hearing impairment.	Dr. Manjula P.
25	Praveen H.R.	Optimizing and evaluating the performance of hearing aid in the ear contra-lateral to the ear with cochlear implant in children.	Dr. Manjula P.
26	Ms.Priyanjali Harit	Vocal emotion recognition by normal-hearing listeners, individuals with hearing impairment and by auditory neuropathy/auditory dyssynchrony patients.	Ms. Devi N.
27	Ranjeet Ranjan	Effect of stimulus rate on sub-cortical auditory processing in children.	Dr. Animesh Barman.
28	Ms.Sharanya R.	Effect of hearing impairment and noise on the processing of simultaneous sentences.	Dr. Rajalakshmi K.
29	Ms.Shruti D. Gulvadi	Role of auditory working memory in prescribing hearing aid and type of compression in geriatrics.	Ms. Geetha C.
30	Ms.Sindhushree H.S.	Perception of emotions in cochlear implant users, hearing aid users and normal hearing children.	Dr. Asha Yathiraj.
31	Ms.Sonitha Kumar	Binaural interaction component of auditory brainstem response in children using click and speech stimuli.	Mr. Sujit Kumar Sinha.

32	Srikar V.	Acoustic change within a syllable in auditory neuropathy.	Dr. Vijayakumar Name.
33	Ms.Suma Chatni	Acoustic change complex in native and non-native speakers of a tonal language.	Dr. Sandeep M.
34	Ms.Swathi V.M.	Effect of dance training on vestibular evoked myogenic potentials.	Mr. Sujit Kumar Sinha.
35	Ms.Tanvi G.N.	Management of tinnitus: A comparative study.	Ms. Geetha C.
36	Vivek S.	A comparison between outcomes using preferred gain and prescribed gain formulae in children.	Dr. Vijayakumar Name.

## **D. Research Publications/Presentations**

### **D.1 International Conference Paper Presentations**

1. Manjula P. Audiological profile in individuals with cochlear nerve hypoplasia. 1st International workshop on CI. Maulana Azad Medical College, New Delhi, 3 April 2010.

### **D.2 National Conference Paper Presentations**

1. Animesh Barman. Hearing assessment in children with special needs. National Seminar on Paediatric Hearing: Assessment and Rehabilitation. All India Institute of Speech & Hearing, Mysore, 16-17 December 2010.
2. Animesh Barman. Vestibular pathways related to VEMP. National Symposium on Evaluation and Management of Vestibular Problems. All India Institute of Speech & Hearing, Mysore, 29-30 January 2011.
3. Basavaraj V. Strategy and protocol for universal hearing screening followed at AIISH, Mysore. Two-day Workshop on Newborn Hearing Screening : Formulating Strategy for India. Ali Yavar Jung National Institute for the Hearing Handicapped, Mumbai, 3-4 May 2010.
4. Basavaraj V. Role of newborn hearing screening. 6th South Zone and 28th Karnataka State ENT Conference. Mysore, 22 October 2010.
5. Basavaraj V. (2011). Developing communication skills in persons with communication disorders. National Conference on IT for persons with disabilities. Department of IT, BT and S&T, Government of Karnataka, Bangalore , 11 January 2011.
6. Chandni Jain. Hearing assessment in paediatric population using subjective measures. National Seminar on Paediatric Hearing: Assessment and Rehabilitation. All India Institute of Speech & Hearing, Mysore, 16-17 December 2010.

7. Dhananjay R & Sujeet Kumar Sinha. Brain-stem correlates of temporal processing in middle aged individuals: A preliminary study. 43rd Annual Convention of Indian Speech & Hearing Association (ISHACON), Kolkata, 21-23 January 2011.
8. Geetha C. Paediatric hearing aid fitting : Selection and verification. National Seminar on Paediatric Hearing: Assessment and Rehabilitation. All India Institute of Speech & Hearing, Mysore, 16-17 December 2010.
9. Hasna Fathima. Phonological activation during visual word recognition in deaf signers and hearing adults. National Seminar on Language Acquisition or Learning. University of Kerala, Trivandrum, 3-4 February, 2011.
10. Jyothi, Kanchan & Sujeet Kumar Sinha. Test-retest- reliability of cochlear hydrops analysis masking procedure test. 43rd Annual Convention of Indian Speech & Hearing Association (ISHACON), Kolkata, 21-23 January 2011.
11. Manjula P. Cochlear implant programming. National Seminar on Paediatric Hearing: Assessment and Rehabilitation. All India Institute of Speech & Hearing, Mysore, 16-17 December 2010.
12. Niraj Kumar Singh. Objective hearing assessment in pediatric population. National Seminar on Paediatric Hearing: Assessment and Rehabilitation. All India Institute of Speech & Hearing, Mysore, 16-17 December 2010.
13. Niraj Kumar Singh. VEMP recording techniques: Factors affecting and interpretation of VEMP. National Symposium on Evaluation and Management of Vestibular Problems. All India Institute of Speech & Hearing, Mysore, 29-30 January 2011.
14. Prawin Kumar. Issues on management of children with APD. National Seminar on Pediatric Hearing: Assessment and Rehabilitation. All India Institute of Speech & Hearing, Mysore, 16-17 December 2010.
15. Sandeep M. Screening and identification of hearing loss in children. National Seminar on Paediatric Hearing: Assessment and Rehabilitation. All India Institute of Speech & Hearing, Mysore, 16-17 December 2010.
16. Sreeraj K. Use of assistive listening devices in paediatric population with hearing impairment. National Seminar on Paediatric Hearing: Assessment and Rehabilitation. All India Institute of Speech & Hearing, Mysore, 16-17 December 2010.
17. Sujeet Kumar Sinha. Clinical applications of VEMP. National Symposium on Evaluation and Management of Vestibular Problems. All India Institute of Speech & Hearing, Mysore, 29-30 January 2011.
18. Vivek Mandal & Animesh Barman. On vestibular evoked myogenic potentials. 43rd Annual Convention of Indian Speech & Hearing Association (ISHACON), Kolkata, 21- 23 January 2011.

19. Yathiraj A. Listening training in paediatric population with hearing impairment. National Seminar on Paediatric Hearing: Assessment and Rehabilitation. All India Institute of Speech & Hearing, Mysore, 16-17 December 2010.
20. Yathiraj A. Assessment and management of CAPD. 63rd Annual Conference of the Association of Otolaryngologists of India, Chennai, 6 - 9 January 2011.
21. Yathiraj A. Multi-disciplinary services and research in the area of cochlear implant. 43rd Annual Convention of Indian Speech & Hearing Association (ISHACON), Kolkata, 21-23 January 2011.

### **D.3 International Journal Publications**

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*, V.35(1).
2. Kumar P & Yathiraj A (2009). Perception of speech simulating different configurations of hearing loss in normal hearing individuals. *Clinical Linguistics and Phonetics*, V.23 (9).

### **D.4 National Journal Publications**

1. Basavaraj V, 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*, V.29(2).
2. Ganapathy S.H & Basavaraj V. (2010). The effect of bone vibrator coupling force in bone conduction ABR. *Journal of Indian Speech and Hearing Association*, V.24(2).
3. Garvita Mehta & Sandeep M (2011) .Neurophysiological representation of hearing aid processed speech. *Journal of Indian Speech and Hearing Association*, V.25 (1).
4. Kumar P & Yathiraj A (2010). Auditory comprehension passage test for children in Indian-English. *Journal of Indian Speech and Hearing Association*, V.24 (2)
5. Kumari Apeksha & Devi N (2010). Effect of sensorineural hearing loss on speech evoked aided auditory late latency response. *Journal of All India Institute of Speech and Hearing*, V.29(2).
6. 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*, V.24(2).
7. Sujeet Kumar Sinha & Basavaraj V. (2010). Auditory brainstem responses to forward and reversed speech in normal hearing individuals. *Journal of All India Institute of Speech and Hearing*, V.29(2).

8. Sujeet Kumar Sinha & Basavaraj V (2010). Lateral asymmetry in speech processing at the brainstem: Evidence from speech evoked ABR. *Journal of All India Institute of Speech and Hearing*, V.29(2).
9. 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*, V.62(4).
10. 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*, V.29(2).
11. 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*, V. 29(2).

### **D.5 In-house publications**

The details of research papers published by the faculty members and students of the department in 'Student Research at AIISH 2009-10, Volume VIII, Part A Audiology' are given below.

1. Anuprasad S & Mamatha N.M. Warp processing vs. conventional processing in digital hearing aids: a comparative study. pp.1-5.
2. Archana & Manjula P. Music (Indian Music) perception test battery for individuals using hearing devices. pp.6-17.
3. Badariya M. & Sandeep M. Effect of age on fatiguing characteristics of efferent inhibition pp.18-25.
4. Bhavya Rani & Vijayalakshmi Basavaraj. Speech-evoked auditory brainstem responses on hearing aid selection. pp.26-36.
5. Chayakant Patro & Asha Yathiraj. The lexical neighbourhood test: An Indian-English version for children. pp.37-43.
6. Darshan S. & Mamatha N.M. Determining temporal fine structure (tfs) sensitivity in individuals with normal hearing and cochlear hearing loss through frequency discrimination of complex tones. pp.44-52.
7. Dhanya M & Animesh Barman. OAE profile in individuals with tinnitus having normal hearing sensitivity. pp.53-63.
8. Divya S. Joseph & Sandeep, M. Conventional BTE vs RIC (receiver in the canal) BTE: a comparative study on perceptual and acoustic analysis of speech and music. pp.64-72.
9. Giridhar G. Krishnan & Rajalakshmi, K. Dichotic rhyme test in Malayalam: A normative study. pp.73-80.
10. Hasna Fathima & Vijayalakshmi Basavaraj. Effect of prescriptive formulae on the perception of music in hearing aid users. pp.81-90.
11. Kamala Sarathy & Devi N . Effect of syllabic and dual compression on speech identification scores across different degrees of hearing loss. pp.91-98.

12. Lovedeep Kholia & Rajalakshmi K.. Development and standardization of speech material in Rajasthani language. pp.108-114.
13. Mohan Kumar K & Animesh Barman. Maturation of speech evoked cortical auditory evoked potential. pp.115-124.
14. Nayana S & Devi N. Development of questionnaire for evaluating hearing aid benefit in children. pp.125-137.
15. Niraja Singh & Vijayalakshmi Basavaraj. Findings of cochlear hydrops analysis masking procedure (CHAMP) in subjects with suspected and confirmed Meniere's disease. pp.138-146.
16. Prashanth Prabhu P & Manjula P. Development of test of auditory comprehension in Kannada (TAC-K). pp.147-155.
17. Prashasti & Rajalakshmi, K. Compressive non-linearity of basilar membrane-evaluation through electrophysiological test. pp.156-161.
18. Prathibha K.K. & Rajalakshmi K. Electrophysiological correlates of loudness using auditory steady state responses. pp.162-174.
19. Priyanka Madhok & Sandeep M. Neurophysiological consequence of auditory training: subcortical and cortical structures. pp.175-183.
20. Ramya V & Manjula P. Ear mould venting and its effects on different subjective and objective measures. . pp.184-190.
21. Ratnakar Y.V. & Mamatha, N.M. High frequency speech identification test in Telugu. . pp.284-290.
22. Reesha Hussain & Devi N. Music perception in individuals with audio and audio-visual impairment. pp.191-198.
23. Rohith, H. & Animesh Barman. Cortical evoked potentials in children using speech and non-speech stimuli. pp.199-209.
24. Saroj Kumar Sahoo & Manjula, P. Evaluation of performance with occluded and open-fit receiver-in-canal (RIC) hearing aids. pp.210-220.
25. Sreela, P.K. & Devi N. Effect of reverberation on speech identification using digital hearing aids. . pp.221-230
26. Swagathika Nayak & Mamatha N.M. Effect of hormonal influence during menstrual cycle on immittance findings. . pp.231-236.
27. Udit Saxena and Rajalakshmi K. Effect of background noise on temporal processing in children and young-adults. pp.237-242.
28. Usha Shastri & Manjula, P. Comparison of performance between air conduction hearing aid and bone anchored hearing aid attached to the headband. pp.243-256.

## **D6. Books/Book Chapters**

The following books/book chapters have been published by the faculty members during the reporting year.

1. Basavaraj V, Rangasayee R and others (2010). Chapter titled 'Hearing Impairment' in the book 'Status of Disability in India – 2007'. Published by Rehabilitation Council of India, New Delhi.
2. Yathiraj A (2010). Auditory training and its importance and auditory verbal therapy. In Perception through hearing aids, auditory training and evaluation of hearing aids. Self-Learning material for the course titled Aural Rehabilitation of Children with Hearing Impairment, for M.Ed. (SE-DE) (HI). Published by IGNOU, New Delhi.
3. Yathiraj A (2010). Perception through auditory modality & basic acoustic properties of speech and its effect on hearing aids. Self-Learning material for the course titled Aural Rehabilitation of Children with Hearing Impairment, for M.Ed. (SE-DE) (HI). Published by IGNOU, New Delhi.
4. Yathiraj A (2010). Auditory training and its importance and auditory verbal therapy (AVT). Self-Learning Material for block in course titled Aural Rehabilitation of Children with Hearing Impairment, for M.Ed. (SE-DE) (HI). Published by IGNOU, New Delhi.
5. Yathiraj A (2010). Application of materials and methods in classroom and outside the classroom for individuals and group. Self-Learning material for block in course titled Aural Rehabilitation of Children with Hearing Impairment for M.Ed. (SE-DE) (HI). Published by IGNOU, New Delhi.
6. Yathiraj A (2010). Evaluation of hearing aids using electro acoustic analysis instrumentation; ISI standard and technical specifications; Hearing aids under governmental schemes and their performances; Makes and models of hearing aids; Development of ear mould technology and modification. Self-Learning material for block in course titled Aural Rehabilitation of Children with Hearing Impairment, for M.Ed. (SE-DE) (HI). Published by IGNOU, New Delhi.
7. Yathiraj A (2010). Technical specification for classroom devices. Self-Learning material for block in course titled Aural Rehabilitation of Children with Hearing Impairment for M.Ed. (SE-DE) (HI). Published by IGNOU, New Delhi.

## **CLINICAL SERVICES**

The department offers a whole range of clinical services, to individuals starting from few days old to elderly. The activities include prevention of hearing loss, assessment of hearing, selection and fitment of hearing devices, provision of custom ear molds and rehabilitation of the individuals with hearing impairment.

### **A. General Clinical Services**

The general clinical services provided by the department are as follows:

## A.1 Hearing Evaluation

A battery of tests is administered with the state-of-the-art equipment on clients complaining of problem in hearing, who visit the institute from all over the country and abroad. Physiological and electrophysiological tests play an important role in detecting the clients with functional hearing loss, whose number has shot up to avail the increased financial aid.

A few of the behavioural tests used are Pure Tone Audiometry and Speech Audiometry. Facilities to carry out Behavioural Observation Audiometry (BOA) and Visual Reinforcement Audiometry (VRA) are also available. With VRA it is possible to obtain voluntary responses to sound stimuli from children as young as six months of age. Using objective tests, responses to auditory stimuli can be obtained without voluntary response from the individual. The objective tests used at the department include, immittance evaluation, measurement of Oto Acoustic Emissions (OAE), measurement of Auditory Evoked Potentials (AEP) and Auditory Steady State Responses (ASSR). After hearing assessment, appropriate referrals or rehabilitative procedures are recommended. The referral could be for a medical/ surgical line of treatment. Audiological treatment when recommended will be carried out at the department.

Table 12 gives the details of clients seen for hearing evaluation and of certificates issued for eligible clients to avail welfare measures. Figure 2 gives the month-wise statistics of cases seen at hearing evaluation section. Figure 3 provides the no. of ears tested for different types of hearing loss and figure 4 the details of certificates issued to clients for various purposes.

Table 12: Clinical Statistics of Hearing Evaluation Section.

Total no. of clients evaluated/screened for hearing problems	11063
No. of ears tested	17832
• Normal hearing	3459
• Conductive hearing loss	2596
• Mixed hearing loss	4270
• Sensori-neural hearing loss	7507
No. of audiogram copies issued	6403
No. of clients tested in Hindi	413
No. of certificates issued	1515
• Financial aid	893
• Admission to school for the deaf	129
• Physically handicapped	212
• Tax exemption	54
• Education scholarship	107



• At camp	4
• Others	120
No. of clients for whom case history taken	13157
No. of clients for Pure tone audiometry	10229
No. of clients for Speech audiometry	10306
No. of clients for Immittance evaluation	10536
No. of clients for BOA	767
No. of clients for ABR	2631
No. of clients for OAE	793
No. of clients for VRA	98
No. of clients for CAPD tests	39
No. of clients for VEMP	37

Figure 2: Month-wise No. of Clients Tested in Hearing Evaluation Section.

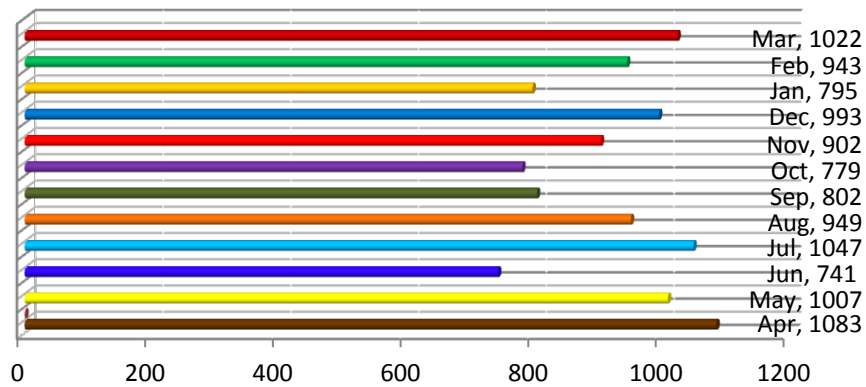


Figure 3: No. of Ears Tested for Different Types of Hearing Loss.

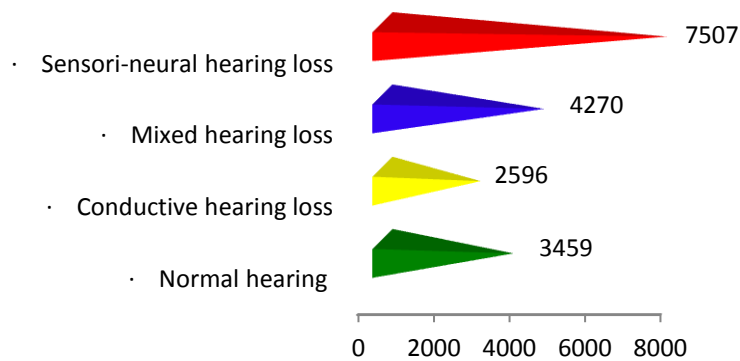
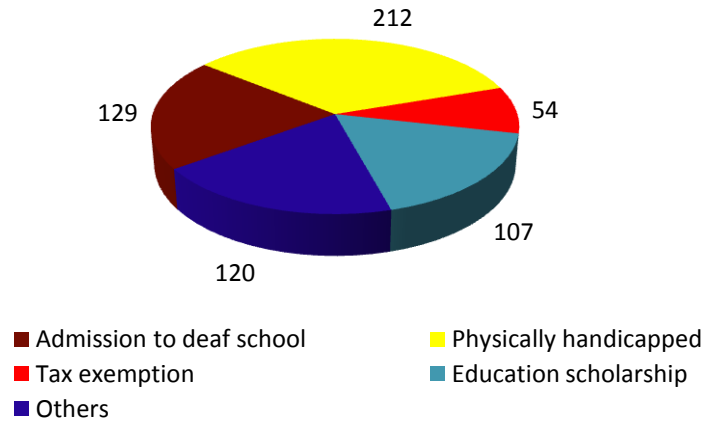


Figure 4: Types of Certificates Issued.



## A.2 Hearing Aid Trial

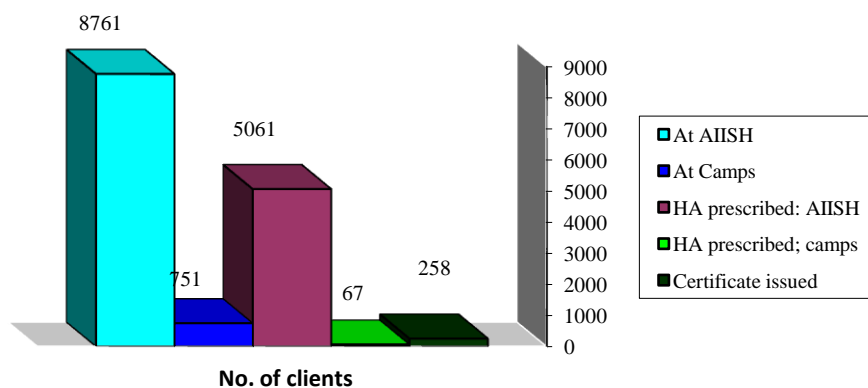
For those clients who require hearing devices, evaluation is done to select appropriate hearing devices such as hearing aids and assistive listening devices. Evaluation is also done to decide cochlear implant candidacy. Programming of the cochlear implants is also being carried out for clients. The clients are also counseled on the hearing aid use and care. They are distributed with printed education material on the use of hearing aids. Table 13 and figure 5 give the details of hearing aid trials carried out at the institute and at camps.

Table 13: Clinical Statistics of 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

Figure 5 : Clinical Statistics of Hearing Aid Trial Unit.



**Counseling and Guidance:** Counseling and demonstration on hearing aid use were carried out for 4038 clients who have been issued hearing aids. Individuals with poor speech identification ability were advised to use communication strategies and speech reading. The unit also exchanged 274 hearing aids.

### A.3 Ear Mould Making

Custom ear moulds were made for clients who were prescribed and issued hearing aids. Ear moulds were also made with acoustic modification for research purposes. The central prosthetic lab had received ear impressions to be processed as ear moulds. Table 14 and figure 6 give the details of activities carried out in the ear mould lab at AIISH and at camps. The types and number of ear moulds made are given in figure 7.

Table 14: Clinical Statistics of Ear Moulds Lab.

Category	Number
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

Figure 6 : No. of Clients Seen and No. of Ear Impressions Taken.

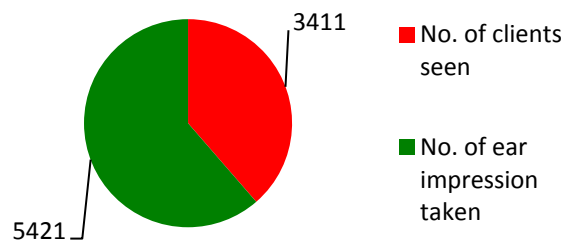
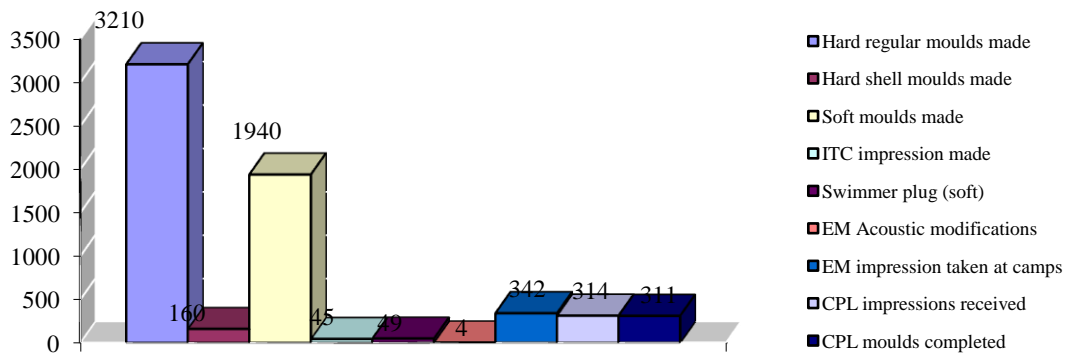


Figure 7 : Types of Ear Molds Made.



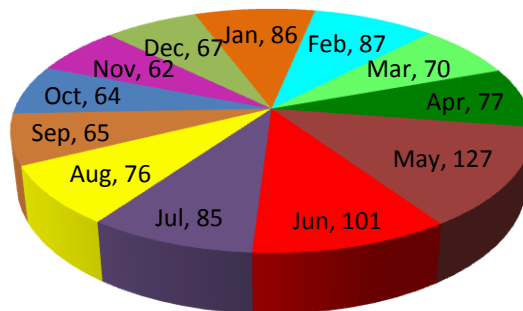
#### A.4 Hearing Aid Dispensing Scheme

For clients who are not eligible to avail a hearing aid under the ADIP scheme and for those clients who can afford to purchase the hearing aids, the hearing aids are dispensed at discounted rates through this scheme. The details of hearing aids prescribed for purchase under hearing aid dispensing scheme (HADS) are given in table 15 and figure 8.

Table 15 : Hearing Aids Dispensed under HAD Scheme.

Total number of hearing aids dispensed	969
• Body level	36
• BTE Analogue	5
• BTE Digital	53
• BTE Trimmer Digital	848
• ITC Digital	24
• CIC Digital	2
• ITE Digital	1

Figure 8 : Month-wise no. of Hearing Aids Dispensed

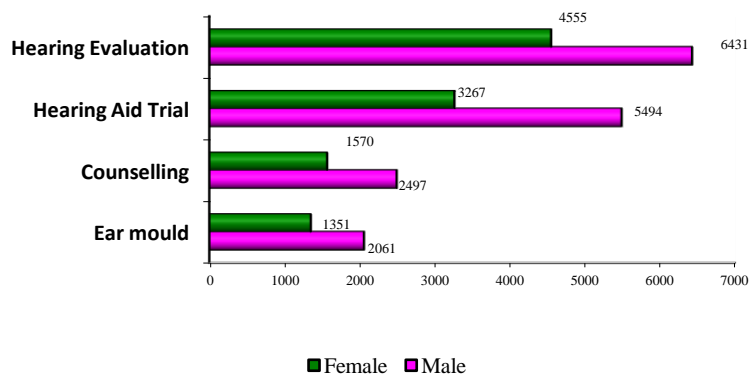


Age-wise and gender-wise statistics of clients seen in hearing evaluation (HE), hearing aid trial (HAT) & counseling and ear mold (EM) sections of the department of Audiology is given in the table 16 and figure 9.

Table 16: Age-wise Statistics of Audiological Evaluation.

Age group	Hearing Evaluation		Hearing Aid Trial		HAT Counseling		Ear Moulds	
	Male	Female	Male	Female	Male	Female	Male	Female
00-01	163	108	132	104	48	27	61	58
02-05	644	513	908	683	174	149	344	304
06-10	437	376	516	379	178	117	180	129
11-15	347	273	294	218	117	74	114	97
16-20	396	301	241	161	96	69	101	65
21-25	412	297	215	130	114	66	73	52
26-30	386	306	193	89	94	69	72	47
31-35	351	256	150	128	55	55	49	34
36-40	351	268	166	139	108	85	63	53
41-45	326	236	176	121	81	73	62	50
46-50	311	239	210	120	119	82	76	66
51-55	347	219	244	143	143	88	96	55
56-60	370	262	325	170	168	96	121	64
61-65	416	256	398	165	235	131	153	87
66-70	391	262	415	198	262	128	182	76
71-75	351	186	368	133	225	130	133	52
76-80	227	95	295	96	161	53	107	33
81-85	135	69	169	48	74	56	50	19
86-90	60	27	60	35	38	15	20	8
91+	10	6	19	7	7	7	4	2
<b>Total</b>	<b>6431</b>	<b>4555</b>	<b>5494</b>	<b>3267</b>	<b>2497</b>	<b>1570</b>	<b>2061</b>	<b>1351</b>
	<b>10,986</b>		<b>8,761</b>		<b>4,067</b>		<b>3,412</b>	
					<b>Grand Total</b>	<b>27,226</b>		

Figure 9: Gender-wise Statistics of Audiological Evaluation.



## B Specialized Clinical Services

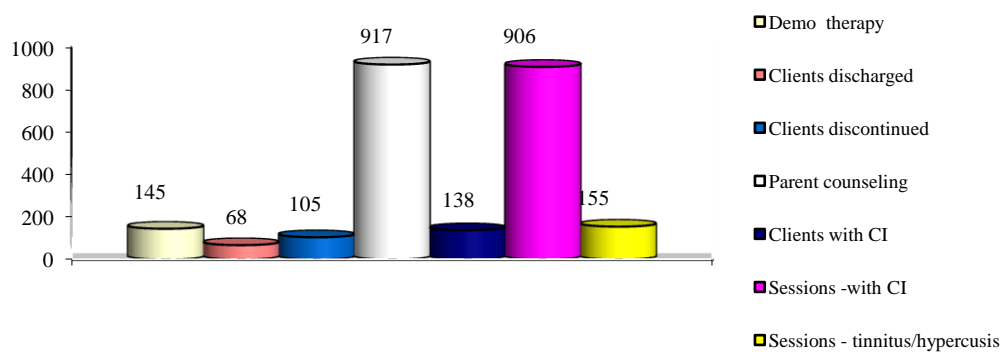
### B.1 Listening Training Unit

Listening training is provided for clients who use hearing devices such as hearing aids, cochlear implants and for clients with tinnitus and hyperacusis. Training is provided mainly by student clinicians under the supervision of the staff. Training is given for some of the cochlear implantees by the staff of the department. Table 17 and figure 10 provide the details of the clients who have undergone listening training.

Table 17: Activities of Listening Training Unit.

Category	Number
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/hyperacusis	155
Total no. of students posted	1083

Figure 10 : Activities of Listening Training Unit.



## FACULTY AND STAFF ENGAGEMENTS

### Dr. VIJAYALAKSHMI BASAVARAJ

#### Positions Held (till 19<sup>th</sup> March 2011)

- Director.
- Member, Central Coordination Committee, National Program for Prevention and Control of Deafness (NPPCD), DGHS, New Delhi.
- Member, LITD, Electronics and Information Technology Department, Bureau of Indian Standards, Govt. of India, New Delhi.
- Member, Academic Committee, Ali Yavar Jung National Institute for the Hearing Handicapped, Mumbai.
- Member, Project Review and Steering Group (PRSG) of Media Lab Asia Project entitled 'Satellite/Internet based National Network for Education, Training and Empowerment of Disabled' of RCI, New Delhi.
- Member, Governing Council, JSS Institute of Speech and Hearing, Mysore.
- Member, Task Force on Cognitive Science Research Initiative (CSI), Department of Science & Technology, Government of India.
- Member, Syndicate, University of Mysore, Mysore.
- Member, Committee for selection of physically handicapped students for scholarship for the year 2010-11, University of Mysore, Mysore.
- Member, Selection Panel of Experts for recruitment at National Institute for Empowerment of Persons with Multiple Disabilities (NIEPMD), New Delhi.
- Chief Editor, The Journal of All India Institute of Speech and Hearing.

#### Other Curricular and Extracurricular Engagements

- Attended Short course on 'Public Health Planning for Hearing Impairment' organized by London School of Hygiene and Tropical Medicine, deputed by the Ministry of Health and Family Welfare, GOI, New Delhi with funds from AISH at LSHTM, London, UK on 12-16 July, 2010.
- Attended Seminar on 'Prevention of Deafness and Hearing Impairment: A strategy plan for India' organized at the Maulana Azad Medical College, New Delhi under the aegis of 'Sound Hearing 2030' on 11 December 2010.
- Attended 43<sup>rd</sup> ISHACON at Kolkata on 21-24 January 2011

### Dr. ASHA YATHIRAJ

#### Positions Held

- Academic Coordinator.
- Chairperson, Anti-ragging Squad.
- Chairperson, BOE (Speech and Hearing), University of Mysore, Mysore.
- Chairperson, BOE (Special Education), University of Mysore, Mysore.
- Chairperson, Listening Training Unit.
- Member, Core Committee on quasi distance mode PG program in speech, language and hearing.
- Member, Committee for Digital Speech, Language and Hearing Encyclopaedia.
- Chairperson, Condemnation of Equipment Committee.
- Panelist, Open House for public on cochlear implantation during 1<sup>st</sup> International workshop on Cochlear Implants at Maulana Azad Medical College, New Delhi.



- Member, BOS , University of Calicut.
- Member, Modification of RR rules.
- Member, Selection Committee , Ph.D candidates.
- Chairperson, B.Sc (S&H) Entrance Examination.
- Member, Selection Committee of Group A, B, & C staff.
- Chief Superintendent, B.Sc (Sp&Hg), Entrance Examination.
- Member, Review of ARF projects.
- Member, RCI Sub-Committee.
- Member, setting/scrutinizing the question papers for PG courses.
- Member, Expert Committee of Rehabilitation Council of India.
- Member, Selection of ARF projects.
- Member, Board of Editors, The Journal of All India Institute of Speech and Hearing.

### **Other Curricular and Extracurricular Engagements**

- Attended the meeting on Project review group by ICMR, New Delhi held on 29.10.10
- Attended Core Committee meeting at Dr. M.V. Shetty College of Speech and Hearing, Mangalore on 16.02.11.
- Attended Expert Committee meeting of R.C.I. on Development of Training Program on 17-18.02.11
- Attended 1<sup>st</sup> International workshop on CI organized by Dept. of ENT, Maulana Azad Medical College, New Delhi
- Attended workshop on Pedagogy, organized by Academics, AIISH.
- Attended ISHACON43 held at Koltaka.
- Peer-Reviewed articles for the 'Journal of Indian Speech Language and Hearing Association'.

### **Dr. P. MANJULA**

#### **Positions Held**

- Head of the Department.
- Member, Board of Examiners UG & PG (S&H), University of Mysore.
- Member, Selection Committee of Ph.D candidates.
- Member, setting/scrutinizing the question papers for PG courses.
- Chairperson , Internship Committee.
- In-charge, Hearing Aid Dispensing Unit.
- Member, Committee for Digital Speech, Language and Hearing Encyclopaedia.
- Member, Condemnation of Equipment Committee.
- Member, Board of Editors, The Journal of All India Institute of Speech and Hearing.

### **Other Curricular and Extracurricular Engagements**

- Panelist in the Open House for public on cochlear implantation during 1st International workshop on Cochlear Implants at Maulana Azad Medical College, New Delhi on 02.04.10.
- Moderator for the panel on Habilitation of Children with Cochlear Implantation held on 03.04.10.
- Panelist for the discussion on Challenges on Solutions in Cochlear Implantation held on 03.04.10.
- Reviewed AIISH Research Funded projects.

- Attended 1st International workshop on CI organized by Dept. of ENT, Maulana Azad Medical College, New Delhi.
- Attended Staff enrichment program on applications of MATLAB organized by the department of Electronics, AIISH.
- Attended Workshop on 'Pedagogy and Evaluation Methods' organized by the Academic section on 17th November 2010.
- Peer-reviewed articles for 'Journal of Indian Speech Language and Hearing Association' .

**Dr. K. RAJALAKSHMI K**

**Positions Held**

- Head, Department of Material Development.
- Coordinator, DHLS Jabalpur Center.
- Member, Committee for Digital Speech, Language and Hearing Encyclopaedia.

**Dr. ANIMESH BARMAN**

**Positions Held**

- Coordinator, DHLS Cuttack Center.
- EC member, AIISH Gymkhana.
- Member, Committee for Digital Speech, Language and Hearing Encyclopaedia.
- Member, Committee for Neonatal Screening at DHLS centre, Cuttack.
- Member, Setting/scrutinizing the question papers for PG courses.
- Member, BOE, Manipal University.

**Other Curricular and Extracurricular Engagements**

- Peer reviewed articles for the 'Journal of India Speech Language and Hearing Association'.

**Ms. DEVI N**

**Positions Held**

- Member, Committee for Neonatal Screening at DHLS Centre, Ajmer.

**Dr. SANDEEP M**

**Positions Held**

- DHLS Coordinator, Lucknow.
- NSS Officer.
- Member, Library Committee.
- Member, Canteen Committee.
- EC Member, AIISH Gymkhana.
- Member, Setting/scrutinizing the question papers for PG courses.
- Deputy Chief Superintendent, B.Sc. (Sp&Hg) Entrance Examination 2010, New Delhi.

**Other Curricular and Extracurricular Engagements**

- Compiled articles for 'Student Research at AIISH, Volume VIII- 2009-10: Part A Audiology'.

**Ms. GEETHA C**

**Positions Held**

- Member, Internship Coordination Committee.
- Member, Committee for finalization and acceptance of TV spots.

**Mr. SUJEET KUMAR SINHA**

**Positions Held**

- Member, Public Grievances Cell.
- In charge, International Guest House.
- Asst. Warden, Boys hostel.
- Member Secretary, Vertigo Clinic.
- Co-chairperson, Poster presentation at ISHACON43, Kolkata on 21.01.11.

**Dr. VIJAYAKUMAR NARNE**

**Positions Held**

- Member, Core committee on quasi distance mode PG program in speech language and hearing.
- Member, Inspection Committee on Neonatal Screening and Ear Mould lab, DHLS centre, Shimla.
- Member, Setting/scrutinizing the question papers for PG courses.

**Mr. NIRAJ KUMAR SINGH**

**Positions Held**

- Member, Vertigo Clinic.

**Ms. CHANDNI JAIN**

**Positions Held**

- Member, Committee of Listening Training Unit.
- Member, Learning Disability Unit.
- Member, Setting/scrutinizing the question papers for PG courses.

**Mr. JAWAHAR ANTONY P**

**Positions Held**

- Member, Internship Coordination Committee.

**Ms. REVATHI K.R**

**Positions Held**

- Member, Committee for neonatal screening at DHLS centre, Ajmer.
- Member Secretary, Committee of Listening Training Unit.

## **CENTRE FOR REHABILITATION AND EDUCATION THROUGH DISTANCE MODE (CREDM)**

### **Profile**

Center for Rehabilitation and Education through Distance Mode (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. The objectives of the centre include (a) Development of correspondence therapy software for communication disorders, (b) Establishing Tele-intervention for communication disorders, (c) Helpline for senior citizens with communication disorders, (d) Establishing support system for users of assistive devices and (e) Educational guidance services for parents with hearing impairment.

### **ACADEMIC ACTIVITIES**

#### **A. Orientation Programs**

##### **A.1 Educational Guidance**

An orientation program on Educational guidance services was given on 30 September 2010, for 109 individuals with communication disorders by Dr. Malar, Lecturer, Dept. of Special Education. It was done in English, Hindi and Tamil. The program was conducted for parents, caregivers and students of the 12 DHLS study centers, namely Delhi, Imphal, Jabalpur, Mumbai, Puducherry, Ranchi, Bhagalpur, Lucknow, Cuttack, Shimla, Ajmer and Mysore.

##### **A.2 Learning Disability**

An orientation Programme on Learning Disability was conducted on 04 March 2011 for 64 parents/caregivers, allied professionals and students from 12 (Delhi, Imphal, Jabalpur, Mumbai, Puducherry, Ranchi, Bhagalpur, Lucknow, Cuttack, Shimla, Ajmer and Mysore) centres. The orientations were done in two languages, Hindi and English. Dr. Jayashree Shanbal, Lecturer in Language Pathology was the resource person. Along with this parents were given appropriate guidance and counselling on individual basis.

### **CLINICAL AND OUTREACH SERVICES**

#### **A. Tele-Intervention and Rehabilitation**

Tele-intervention and rehabilitation is done every day in the various DHLS centers. Constant home training is given and follow up is done for the cases. There were around 202 cases for rehabilitation and 18 cases for assessment. Tele intervention and assessment was carried out from Monday to Friday

from 10.00 am to 12.00 noon in various DHLS study centers. The details of Tele intervention and diagnosis carried out last year are given in figure 11 and figure 12, respectively.

Figure 11: Tele-Diagnosis.

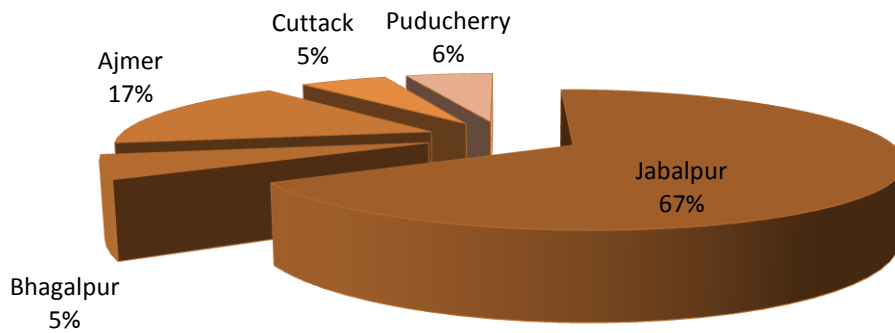
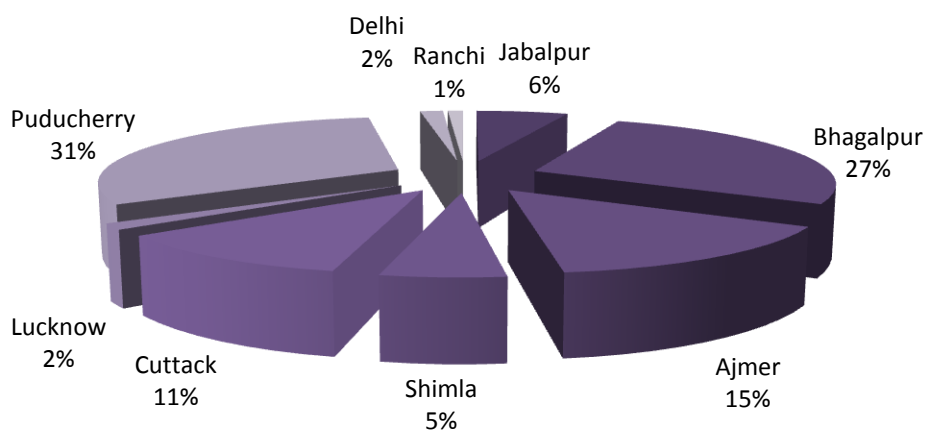


Figure 12: Tele-Intervention.



## B. Speech and Language Therapy

Speech and language therapy was given in the department during the reporting year to 4 clients.

## C. CREDM-POCD program

The CREDM-POCD program was launched on 3 January 2011 to extend the services of the centre to villages. The villages that are given rehabilitation services are Akkihebbal and Hullahalli on Monday, Wednesday and Friday.

#### **D. Workbook**

A workbook titled 'Train Your Child- Level 1' (English version), second of the series of the book 'Parent and Child' was released on 9 August, 2010 by Dr. N. Rathna, former Director, All India Institute of Speech and Hearing, Mysore. The work book contains topics on (a) awareness of sounds, (b) attention and localisation, (c) response to name call, (d) understanding simple words and commands, and (e) speaking in simple words.

#### **E. Home Training Material**

Preparation of home training material for parents of children with Hearing Impairment in 3 languages – English, Hindi and Kannada is in progress. It is being done in a series of levels with goals and activities at each level (Level 2, Level 3, Level 4, Level 5 and Level 6). Checklists are also provided at the end of each level.

#### **F.CREDM Website and Multimedia Content**

Voice over recordings was done for 'Train Your Child- Level 1' in English by Mr. Varun Uttappa II M.Sc. SLP Student, in Kannada by Ms. Sri Priya which was uploaded on the website of CREDM.

#### **G.Movies**

The following movies have been prepared: (i) Normal Speech and Language development, (ii) Hearing development in children with normal hearing in Kannada, and (iii) Types of hearing aids in Kannada

#### **H. Electronic Discussion Group**

The department has launched a web-based discussion forum based on 'Google group'. Currently there are hundred and ten members constituted of 95 professionals/students and 15 parents.

### **DEPARTMENT OF CLINICAL PSYCHOLOGY**

#### **Profile**

The department is involved in clinical services by carrying out individualized, detailed diagnostic and intervention based psycho-educational assessments of children at risk, and those with various types of communication disorders and developmental disabilities including mental retardation, autism, speech delays, learning disabilities, and multiple handicaps. Individual and group counseling services, vocational guidance and coaching guidelines for adult living are given regularly for needy individuals with communication disorders or their family members. Certification for securing various benefits and concessions or for testifying in medico legal cases made available by the Central/State governments for persons with disabilities is routinely dispensed for eligible cases. Parent and teacher training programs are regularly conducted for target caregivers of children with special needs.

## ACADEMIC ACTIVITIES

### A. Guest Lecture

The Department organized a guest lecture on 'Professional Identity of Clinical Psychologist in India: where are we: An Introspection' by Dr. Sivaratnamma L Vaya, Director, Institute of Behavior Sciences and Directorate of Forensic Sciences, Gandhi Nagar, Gujarat, on 19 May 2010.

### B. Short-term Training Programs

- |          |                               |   |
|----------|-------------------------------|---|
| <b>1</b> | <b>Topic</b>                  | 5 <sup>th</sup> Contact program for parents under Certificate Course for Caregivers of Children with Developmental Disabilities (C4D2). |
|          | <b>Target Audience</b>        | Parents of children with developmental disabilities.  |
|          | <b>Number of Participants</b> | 15.   |
|          | <b>Date</b>                   | 19-23 April 2010.   |
| <b>2</b> | <b>Topic</b>                  | 12 <sup>th</sup> Contact program on 'Sensitization on academic problems in school children for teachers in Karnataka'.                  |
|          | <b>Target Audience</b>        | Inclusive Education Resource Teachers.  |
|          | <b>Number of Participants</b> | 34.   |
|          | <b>Date</b>                   | 31 May - 11 June 2010.  |
| <b>3</b> | <b>Topic</b>                  | 13 <sup>th</sup> Contact program on 'Sensitization on academic problems in school children for teachers in Karnataka'.                  |
|          | <b>Target Audience</b>        | Inclusive Education Resource Teachers.  |
|          | <b>Number of Participants</b> | 29.   |
|          | <b>Date</b>                   | 12-23 July 2010.  |
| <b>4</b> | <b>Topic</b>                  | 14 <sup>th</sup> Contact program on 'Sensitization on academic problems in school children for teachers in Karnataka'.                  |
|          | <b>Target Audience</b>        | Inclusive Education Resource Teachers.  |
|          | <b>Number of Participants</b> | 32.   |
|          | <b>Date</b>                   | 16-27 August 2010.  |
| <b>5</b> | <b>Topic</b>                  | 15 <sup>th</sup> Contact program on 'Sensitization on academic problems in school children for teachers in Karnataka'.                  |
|          | <b>Target Audience</b>        | Inclusive Education Resource Teachers.  |
|          | <b>Number of Participants</b> | 38.   |
|          | <b>Date</b>                   | 8-19 November 2010.   |

## RESEARCH ACTIVITIES

### A. Funded Research Projects

#### A.1 Projects with Extramural Funding

<b>1</b>	<b>Title</b>	Sensitizing Teachers on Academic Problems in School children in Karnataka.
	<b>Objectives</b>	To make aware of teachers on academic problems in school children.
	<b>Investigator(s)</b>	Dr. S. Venkatesan.
	<b>Funding Agency</b>	SSA.
	<b>Amount</b>	₹.14 lakhs.
	<b>Status</b>	First Phase Completed.
	<b>Achievements in 2010-11</b>	A team of resource persons covered topics related to academic problem, their assessment and remediation through lectures, case history taking, group discussion, individual case presentation etc. Each 12 day program covered 40 participants, every month through 15 batches completed.
<b>2</b>	<b>Title</b>	Impact Evaluation of Training Courses in Rehabilitation and Special Education under Rehabilitation Council of India.
	<b>Objective</b>	Impact Evaluation of Training Courses.
	<b>Investigator(s)</b>	Dr. Vijayalakshmi Basavaraj and Dr. S. Venkatesan.
	<b>Funding Agency</b>	RCI, Mini. of Social justice & Empwrmt, Govt.of India.
	<b>Amount</b>	₹. 2.22 lakhs.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Important parameters were evaluated such as teacher-pupil evaluation, process and outcome evaluation, temporal or time based evaluation like Baseline, Mid-term and Terminal Evaluation, content evaluation and utility evaluation. Field visits and data collection is completed and data analysis is ongoing.

#### A.2 Projects with ARF Funding

<b>1</b>	<b>Title</b>	Development and Standardization of Autism Behavior Check list for Disability Estimation (A2E).
	<b>Objective</b>	To identify a specific set of behavioral features that characterize most of the children diagnosed as autism or related conditions.
	<b>Investigator(s)</b>	Dr. S. Venkatesan.
	<b>Amount</b>	₹.4.85 lakhs.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Pilot data collected from 26 cases of children with communication disorders by method of observation, interviewing parents, use of checklist is in progress. A departmental presentation and review about project was done.



2	<p><b>Title</b></p> <p><b>Objective</b></p> <p><b>Investigator(s)</b></p> <p><b>Amount</b></p> <p><b>Status</b></p> <p><b>Achievements in 2010-11</b></p>	<p>Process evaluation of DHLS program conducted through Actual vis-à-vis virtual modes.</p> <p>Process evaluation of the ongoing DHLS program.</p> <p>Dr. Vijayalakshmi Basavaraj and Dr. S. Venkatesan.</p> <p>₹.8.52 lakhs.</p> <p>Ongoing.</p> <p>The project continues to attempt a process evaluation of the ongoing DHLS program being conducted through actual vis-à-vis virtual mode of instruction at 11 centers and another 10 regular centers across the country. A new dimension added to this project during this reporting year was gathering feedback on demand analysis, details of infrastructure, job attrition and job evaluation etc. Data collection for the ongoing year is completed.</p>
3	<p><b>Title</b></p> <p><b>Objective</b></p> <p><b>Investigator(s)</b></p> <p><b>Amount</b></p> <p><b>Status</b></p> <p><b>Achievements in 2010-11</b></p>	<p>Enabling and empowering siblings of children with communication disorders.</p> <p>To study the psychosocial correlates of siblings of children with disabilities.</p> <p>Dr. S. Venkatesan.</p> <p>₹.3.19 Lakhs.</p> <p>Ongoing.</p> <p>Data has been collected from the normal siblings of disabled children by using semi-structured interview, open ended questions to find out their knowledge, opinion, attitude etc., towards the affected child.</p>
4	<p><b>Title</b></p> <p><b>Objective</b></p> <p><b>Investigator(s)</b></p> <p><b>Amount</b></p> <p><b>Status</b></p> <p><b>Achievements in 2010-11</b></p>	<p>Impact evaluation of government benefits and concession provided to persons with mental retardation belonging to Mysore district.</p> <p>To undertake an impact evaluation of Monthly Pension Scheme for the mental retarded.</p> <p>Dr. G. Jayaram.</p> <p>₹ 3.20 lakhs.</p> <p>Ongoing.</p> <p>The following tools are finalized for the project: Socio-demographic data sheet, attitude scale towards the benefits and concessions scheme provided to individuals with mental retardation (ASBCS), Impact evaluation scheme/ format. A letter to DC-Mysore District seeking the permission to carry out the program has been finalized and address of all the beneficiaries are short listed.</p>

## **B. Research Publications/Presentations**

### **B.1 National Conference presentations**

1. Venkatesan S. Invite lecture on learning disability: the continuing challenge. National Seminar on Learning Disability; Approaches, Challenges and Provisions. Lady Doak College, Madurai , 29-30 November 2010.

2. Venkatesan S. Counselling Issues. National Seminar on Multi-disciplinary Approaches to Disability Management. Ramakrishna Mission Vivekananda University, Kovai, 18-20 June 2010.

## **B.2 International Journal Publication**

1. Venkatesan S. (2010). Case study on cost benefit analysis for government sponsored pension scheme for persons with mental retardation. Asian Journal of Developmental Matters, V.4(1).

## **B.3 National Journal Publications**

1. Basavaraj V, 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, V.29(2).
2. Govindaraju R & Venkatesan S. (2010). Knowledge and awareness in teachers about government programs to combat school drop outs. Journal of Indian Academy of Applied Psychology, V.36( 2).
3. Kanchan A, Khan N.A & Singh A.R (2010). Addressing psychosocial deficits of patients with schizophrenia through cognitive rehabilitation. Indian Journal of Social Psychiatry, V.26 (3-4).
4. Karimi A & Venkatesan S (2010). Psychometric properties and norm differences in mathematics anxiety scale for high school students in India. Asian Journal of Developmental Matters, V 4. (1).
5. Khan N.A, Kanchan A, Jahan M. & Singh A.R (2011). Human figure drawings of normal Indian adults. SIS Journal of Projective Psychology and Mental Health, V18(1).
6. Khan N.A Kanchan A, Singh A, Senger K.S & Nag A.K (2010). A comparative study of neuro-cognitive impairment in elderly patients with schizophrenia and elderly normals. Eastern Journal of Psychiatry, V.13(1&2)
7. Khoshali A.K & Venkatesan S (2010). Development of play activity checklist for children with mental retardation. Indian Journal of Clinical Psychology, V.37(2).
8. Pushpavathi M, Venkatesan S & Purushotham K (2011). Adjustment patterns in voice disorders. Journal of Indian Speech and Hearing Association, V.25 (1).
9. Sudarshan H.M & Venkatesan S. (2010). Marital adjustment in rural women identified with HIV/AIDS and undergoing anti retro viral drug therapy. Asian Journal of Developmental Matters, V.4.(2).
10. Venkatesan S (2010). Cultural factors in clinical assessment: The Indian perspective. Indian Journal of Clinical Psychology, 37(1).

11. Venkatesan S (2010). Indian scales and inventories: revisiting clinimetry through IJP. Indian Journal of Psychiatry, 52 (Supplement).
12. Venkatesan S & Purusotham P (2010). Validation of item pool on number competencies in preschool and primary school children. Disabilities & Impairments, V.24(1).
13. Venkatesan S & Ravindranath A. (2011). Depression in institutionalized and non-institutionalized elderly. Journal of Indian Academy of Applied Psychology, V.37(1).

### **C.Books/Book Chapters**

1. Venkatesan S (2010). Toy kit for kids with developmental disabilities: User manual. Revised English Edition. Published by All India Institute of Speech & Hearing, Mysore.
2. Venkatesan S. (2010). Chapter titled Cognitive behavior group therapy in mathematics anxiety. Co-authored by Ayatollah Karmi in book titled Recent studies in school Psychology. Edited by Panch Ramalingam and foreword by Professor Bill Pfohl, President, International School Psychology Association. Published by Authors Press, New Delhi.
3. Venkatesan S. (2011).Functional Assessment Battery: Idiometric Analysis of Neuropsychological Functions in Adults with Mental Retardation. Published by Psychotronics, Bangalore.

## **CLINICAL SERVICES**

### **A. General Clinical Services**

Cases registered at the institute undergo routine psychological evaluation and diagnosis. Pre-vocational assessment is carried out for adolescent/adults with communication disorders. Neuropsychological evaluations are conducted for individuals with neuro-linguistic/communication problems. Psycho-educational achievement testing and grade level assessment are done for children with scholastic backwardness and academic under achievement. Behavior assessment is done for children with problem behaviors/skill deficits. Family assessment is done on specific cases requiring family intervention programs.

#### **A.1 Psycho-Diagnosis**

Totally 5577 individuals have undergone psychological evaluation of which, 4402 were new and the remaining 1175 were repeat. An overview of cases seen in the Psycho-diagnostic clinic of the department is given table 18. Disorder-wise, there were 1862 mental retardation, 941 expressive language disorder and 457 learning disability cases. The details of disorder-wise statistics of the cases seen at the department are given table 19.

Table 18: Psycho-diagnostic Clinical Statistics.

Sl. No.	Category	Number
1.	New cases	4402
2.	Old cases	1175
3.	Hindi cases	239

Table 19: Disorder-wise Distribution of Cases.

Sl. No.	Type of Disorder	Number
1.	Mental Retardation	1862
2.	Expressive language disorder	941
3.	Hearing Loss	448
4.	Learning Disability	457
5.	Stuttering	398
6.	Misarticulation	75
7.	Cerebral palsy	37
8.	Aphasia	59
9.	Autism	24
10.	Functional Voice Disorder	07
11.	Voice Problem	16
12.	Others	920

## A.2 Therapeutic Services

These services are provided for cases with various types of communication disorders. Home based and clinic based remedial training programs are provided for children with scholastic backwardness. Appropriate individual and family guidance and counseling are carried out for cases when necessary. Preadolescent and adolescent individuals with disabilities are given pre-vocational guidance after appropriate aptitude testing. Neuropsychological retraining programs include attention retraining, memory training or allied cognitive training programs for individuals with neuro-linguistic/communication problems. Individualized behavior counseling, therapy and modification is carried out in clinics as well as home setting for cases reporting behavior problems. Skill training on activities of daily living, functional academics, and functional living skills, social or communicative skills is given for cases showing skills deficits behaviors. The details of the therapy provided is given in table 20.

Table 20: Nature and Type of Therapy Provided.

Sl. No.	Particulars	No. of Cases	No. of Sessions
1.	Behavior therapy	617	979
3.	Home based training program for MR/SLD	405	1293
4.	Remedial training for SLD cases	51	394
5.	Parent counseling program	3075	3075
6.	Neuropsychological assessment	38	79
7.	Neuropsychological rehabilitation	44	315
8.	Home based rehabilitation program	6	17

## B. Parental Group Counseling

This program was started in the department wherein parents of children with various developmental communication disorders participate. This is an ongoing activity. The counseling is given in three languages (Kannada, Hindi and English). During the reporting year the departmental successfully carried out 3 such programs. The program was coordinated by Mrs.U.Pratibha along with Ms. Madhuri J Holla and Ms.Nimisha Raveendran. Dr.S.Venkatesan participated as expert to counsel parents of children with special needs for one session and Dr.G.Jayarama, participated as expert for two sessions.

## C. Benefits and Concessions

All eligible and deserving cases were issued appropriate certificates stating the nature and extent of their disability. These include social/economic beneficial certificates such as for financial assistance, travel concessions, income tax rebates, special school admissions, exemptions from second language study in school, L.I.C/U.T.I schemes etc. Psychological reports were also issued on request from professional peers for academic and administrative purposes. Reports were provided for medico-legal cases and expert opinion for court proceedings. The details are given in table 21.

Table 21: Benefits and Concessions Provided.

Sl. No.	Category	Quantity
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

## FACULTY AND STAFF ENGAGEMENTS

### Dr. S. VENKATESAN

#### Positions Held

- Head of the Department.
- Advisor for GOI Project under MSJE.
- Coordinator to monitor implementation of provisions of UN Convention for Rights of Persons with Disability (UNCRPD).
- Coordinator, AIISH-SSA project.
- Coordinator, Certificate Course for caregivers of children with Developmental Disabilities (C4D2).

- Member Secretary, AIISH Ethics Committee.
- Member, Board of Editors, Journal of Disability Management and Special Education.
- Member, Board of Editors, The Journal of All India Institute of Speech and Hearing.

### **Other Curricular and Extracurricular Engagements**

- External Examiner for M.Phil in Medical and Social Psychology, at the Department of Clinical Psychology, Sweekaar Rehabilitation Institute for Handicapped, Secunderabad: AP, on 2-4 July 2010.
- External Examiner for Evaluation of Ph.D. Thesis submitted by Sri V Surendran at the Department of Psychology, University of Madras, Chennai, on 3 September 2010.
- External Examiner for Evaluation of M.Sc. Clinical Psychology at the Department of Clinical Psychology, Kuvempu University, Shimoga, in January, 2011.
- Expert Member in First Regional Parents Meet hosted by Mysore District Parents Association for Empowering Developmentally Disabled and sponsored by NIMH, Secunderabad on 3-4 July 2010 at JSS Polytechnic for the Differently Abled Persons, Mysore.
- Interactive Meet for Discussion on FAQs while parenting toddlers and preschool aged children, 100 parents on 20.11.2010 at Mitra Jyothi Montessori School, Kagadapura, Bangalore.
- Invited Lecture on 'Learning Disability: The Continuing Challenge' National Seminar on Learning Disability; Approaches, Challenger and Provisions on 29-30.11.2010 at Department of Social Sciences, Lady Doak College, Madurai.
- Invited as Key Note Speaker at Ramakrishna Mission Vivekananda University, Kovai for National Seminar on Mental Retardation: Inclusive Education for Children with Mental Retardation- An Introspection on 25-27 February 2011
- Orientation Program on 'Substance Abuse' for 120 High School Students of DMS RIE, Mysore on 16 February 2011.
- Delivered lecture on 'Basics of Child Development, Child Psychology & Assessment; learning Disability' for 120 students of I & II Year PG Diploma in Mental Health & Counseling at Manasa Education Foundation under Kuvempu University, Shimoga held at Shimoga.
- Chief Guest and Key Note Speaker in the Seminar on "Positive Psychology-A Road to Well-Being' organized by Department of Psychology, SBRRR Mahajana First Grade College, Mysore, on 21 March, 2011.
- Reviewed the project proposal titled 'A cognitive exploration of the concept of 'privacy' among Indians' for the Department of Science and Technology, Govt. of India, New Delhi.
- Reviewed the project proposal titled 'Nutritional status and cognitive functioning and development through supplementary food mixes to 3-6 year old children' for the Department of Science and Technology, Govt.of India, New Delhi.
- Reviewed the project proposal titled 'Effect of neural correlates of repetitive transcranial magnetic stimulation on positive and negative symptoms and associated cognitive dysfunctions in schizophrenia' for the Department of Science and Technology, Govt.of India, New Delhi.
- Reviewed the project proposal titled 'Brain region specific epigenomic changes in impaired cognition' for the Department of Science and Technology, Govt.of India, New Delhi.
- Reviewed the the book titled 'Portage guide to early childhood education'. Written by Indumathi

Rao. (Published by CBR Network, South Asia) in Journal of All India Institute of Speech and Hearing V.29 (1), 2010.

- Reviewed the research proposal titled 'Assessment of auditory working memory in normal hearing and hearing impaired children'. Submitted by Mr. Ranganathan at All India Institute of Speech & Hearing, Mysore.
- Reviewed the research proposal titled 'A Longitudinal study on growth and development of low birth weight Infants (birth to 2 years of age) of Mysore'. Submitted by Ms. MV Arundathy, Department of Food Science & Nutrition, UOM, Mysore.
- Reviewed the research proposal titled 'A cognitive exploration of the concept of 'privacy' among Indians. for the Department of Science and Technology, Govt.of India, New Delhi.
- Peer reviewed articles for (i) Journal of Indian Speech and Hearing Association,(ii) Journal of All India Institute of Speech and Hearing,(iii) Indian Journal of Clinical Psychology,(iv)Psychological Studies.

#### **Dr. G. JAYARAMA**

##### **Positions Held**

- Coordinator, DHLS Ajmer Centre.
- Coordinator, Monthly Public Lecture Series Program.
- In-Charge, Guest House.

##### **Other Curricular and Extracurricular Engagements**

- Reviewed the project proposal titled 'Factors in movement imagery with vision and in the total absence of vision during mental practice: A neuroimaging study' for the Department of Science and Technology, Govt.of India, New Delhi.
- Reviewed the project proposal titled 'Role of amygdalar neurons and glia in sleep-dependent consolidation of cued fear – conditioned memory in the rat' for the Department of Science and Technology, Govt.of India, New Delhi.
- Reviewed the project proposal titled 'Shape perception development by cognitive learning and EEG based motion control of an artificial limb' for the Department of Science and Technology, Govt.of India, New Delhi.

#### **Mr. FREDDY ANTONY**

##### **Positions Held**

- Coordinator, DHLS, RIMS Imphal Centre.

#### **MS. AMRITA KANCHAN**

##### **Other Curricular and Extracurricular Engagements**

- Reviewed the project proposal titled 'Effect of heavy metal exposure on cognitive function and behavior with special reference to gene expression of antioxidant enzymes in rats;

modulation by plant products', for the Department of Science and Technology, Govt. of India, New Delhi.

- Reviewed the project proposal titled 'Neurophysiological correlates of central executive system of working memory using ERP compatible neuropsychological tests', for the Department of Science and Technology, Govt. of India, New Delhi.
- Reviewed the project proposal titled 'Role of handedness in explaining differences in cognitive functioning', for the Department of Science and Technology, Govt. of India, New Delhi.

## **DEPARTMENT OF CLINICAL SERVICES**

### **Profile**

The Department of Clinical Services provides diagnostic and therapeutic services for all types of communication disorders, for different age and language groups by a team of speech-language pathologists and audiologists. The department is also involved in research works in the area and imparts clinical training to diploma, graduate, postgraduate and doctoral students of the institute for diagnosis and management of persons with speech, language and hearing disorders

### **ACADEMIC ACTIVITIES**

#### **A. Implementation of Diagnostic and Therapy Module in Curricula**

To strengthen the clinical skills of the students diagnostic and therapy modules were developed and introduced for the under graduate and postgraduate courses. The diagnostic module was prepared on the basis of the workshop titled 'In- House Workshop on Clinical Practicum and Internal Assessment'. These modules were based on the theory papers of the each semester and were modified based on RCI-BASLP syllabus.

#### **B. Communication Network with Student Clinicians**

In order to develop and improve clinical skills in student clinicians a group e-mail ID was opened and the following documents/resource materials were sent to undergraduate and postgraduate students who become the member of this group: (a) pre therapy documents for all the disorders, (b) lesson plan format for various communication disorders in adults and children, (c) description of stepwise therapy procedures for modified airflow, prolongation techniques, (d) techniques to improve neuro-motor skills, (e) response recording sheet, (f) exemplars and base rate recording sheet for persons with fluency disorders, (g) preparation of therapy materials: self-recording sheet for PWS; evidence-based practice recording sheet; developed following items for fluency unit: evidence based practice; self recording sheet; student recording forms; detailed evaluation form for stuttering; home training material in Kannada, English, Hindi, Tamil, Telugu & Malayalam for DSL-CP-MR-Aphasia-HI-Autism and misarticulation.



## C. Professional Material Development

### C.1 Improvisation of Existing Test Materials

Most of the test materials used in the department /OPD are worn out due to excessive usage and not in usable condition. Hence the existing test materials were updated with complete information about the tests in a laminated form to make them presentable. Further, soft copies of these tests have been prepared. The following test materials were completed (1)REELS,(2) RELT,(3) 3D – LAT, (4) SECS, (5)Early reading skills (6)Kannada Language test,(7) Malayalam Language test (8) Linguistic Profile Test – Kannada, Hindi, Malayalam, Telugu,(9) Western Aphasic Battery - Kannada, Hindi, Malayalam (10) Reading Acquisition Profile in Kannada,(11) Reading passages in Indian Languages

### D. Seminars/ Conferences/ Workshops

- Learning disability work shop for teachers from 4-8 October 2010
- Seminar on 'Keeping the promise: Mainstreaming disability in the millennium development goals towards 2015 and beyond' on 3 December 2010.

## RESEARCH ACTIVITIES

### A. Funded Research projects

#### A.1 Projects with ARF Funding

The details of AISH research funded projects of the department are given in table 22. There were 3 completed projects and 12 projects were going on by the end of the reporting year.

Table 22: ARF Projects.

Sl.No	Title	Investigator(s)	Status
1.	Field testing of manual for adult non-fluent Aphasia – Kannada (MANAT-K).	S.P.Goswami, Jayashree C. Shanbal.	Completed
2.	Assessment Battery for Children with Learning Disability (ABCLD).	Jayashree.C. Shanbal,S.P. Goswami.	Completed
3.	Prevalence and nature of Epilepsy in children with communication disorders.	Sangeetha.M,Y.V.Geetha,Somnath V	Completed
4.	Screening Test for acquisition of Syntax in Hindi: An Adaption of STASK.	Vijayalaxmi Basavaraj,. S.P. Goswami Brajesh Priyadarshi.	Ongoing
5.	Field Testing of Manual of Adult Non- Fluent Therapy-in Kannada.	S.P. Goswami, Jayashree C. Shanbal.	Ongoing
6.	Assessment Battery for Children with Language based Learning Disability (ABC-LLD)- Phase II.	Jayashree C. Shanbal, S.P. Goswami.	Ongoing

7.	Computerized Screening Test for acquisition of Syntax in Hindi (STAS-H).	Ajish Abraham, Vijayalakshmi Basavaraj, S.P. Goswami, Brajesh Priyadarshi.	Ongoing
8.	Screening Test for acquisition of Syntax in Malayalam (STAS-M)	Preethi Thomas, S.P.Goswami.	Ongoing
9.	Screening Test for acquisition of Syntax in Telugu (STAS-T).	Gopi Kishore, S.P.Goswami.	Ongoing
10.	Development of Audio-Video database for communication disorders.	R. Gopi Sankar, S.P.Goswami, Preethi Thomas.	Ongoing
11.	Pattern of recovery in children with stuttering.	Y.V.Geetha, Sangeetha Mahesh	Ongoing
12.	Treatment efficacy using response cost in children with stuttering.	Y.V.Geetha, Sangeetha Mahesh	Ongoing
13.	Developmental pattern of children with Down's syndrome: An exploratory study (Kannada) - Phase I.	M.Pushpavathi,.Preethi Thomas Venkatesh.S, Siddesh, Jayakaran.	Ongoing
14.	Audio-visual resource manual on voice disorders.	M.Pushpavathi, Jayanthi Ray,.R.Gopi Sankar,.H.Sundarraju, Girish Kulkarni	Ongoing
15.	Speech characteristics in children with oral clefts pre & post surgery: A longitudinal study.	M.Pushpavathi,.H.V.Sathish,.R.Gopi Sankar.	Ongoing

## B. Doctoral Research

The details of doctoral research works carried out by the department staff during the reporting year are given in table 23.

Table 23: Doctoral Research.

Sl.No	Title	Candidate	Guide
1	Linguistic variability in Mono lingual and bilingual children with stuttering.	Ms.Sangeetha Mahesh.	Dr.Y.V.Geetha
2	Some Acoustic and perceptual parameters in Cleft Palate Speech: A Pre-post operative condition.	Mr.Gopi Sankar.	Dr.M.Pushpavathi
3	A comparative study on content and processes of Semantic memory in Malayalam Speaking persons with Dementia & Aphasia.	Ms.Preethi T.	Dr. S.P. Goswami
4	Test battery for Phonological	Ms. Priya M.B.	Dr. R.Manjula

	Representations in Kannada Speaking Children.		
5	Development and Standardization of comprehension test in Hindi Language for Persons with Aphasia.	Mr. Santhosh Kumar.	Dr. S.P. Goswami
6	Computerized Auditory Visual Integration Training for Communication in persons with Aphasia- In Tamil (CAVICAT).	Mr. Radhakrishnan.	Dr. S.P. Goswami
7	Variables Influencing Language Outcomes in Children with Cochlear Implants in Indian Context.	Ms. Mani Bansal.	Dr. S.P. Goswami
8	Semantic Judgment in Monolingual & Bilingual persons with Broca's Aphasia: An ERP study.	Mr. L. Sampath Kumar.	Dr. S.P. Goswami

### C. Postgraduate Research

The details of postgraduate research works carried out under the department staff during the reporting year are given in table 24.

Table 24: Postgraduate Research Projects.

S.No.	Title	Candidate	Guide	Status
1	Development of Revised Token Test in Oriya.	Bijoyaa M	S.P. Goswami	Completed
2	Cognitive Linguistic assessment Protocol in Telugu: An adaptation of CLAP in Kannada.	Ms. Veena K.D	S.P. Goswami	Completed
3	Cognitive Linguistic assessment Protocol in Malayalam: An adaptation of CLAP in Kannada.	Lakshmi Mohan	S.P. Goswami	Completed
4	Development of Revised Token Test in Malayalam.	Lincy Mary V	S.P. Goswami	Completed
5	Protocol for measuring participation of Persons with Aphasia.	Rupali Mathur	S.P. Goswami	Completed
6	Written language skills in children with learning disability.	Sheetal	Sangeetha.M	Completed
7	Development of Beside Screening Test for aphasics in Malayalam.	Kanthima V	S.P. Goswami	Ongoing
8	Development of Manual for Treatment of Reading, Writing and Arithmetic for Persons with Adult Aphasia- in Kannada (MTR3A2-K).	Kruthi H.R	S.P. Goswami	Ongoing

9	Development of Beside Screening Test for aphasics in Kannada.	Ramya H.Y	S.P. Goswami	Ongoing
10	Phonetic influences in bilingual children with stuttering.	Sowmya G.P	Sangeetha M	Ongoing

### CLINICAL AND OTHER SERVICES

A total of 50,504 persons have been registered during the year with various types of speech, hearing and language disorders. This includes 19,551 new persons, and 30,953 persons made repeat visits for the evaluation of their problems. A total of 7,349 and 13,157 persons were seen in speech and language OPD and audiology OPD, respectively. A total of 7,349 persons were evaluated in detail for various speech, language problems. The needy persons were also evaluated for associated ENT and psychological problems by the faculty and staff from the respective departments.

Persons requiring further management were given various speech/language therapies for a period of 45 minutes every day. A total of 6,275 persons attended various speech and language therapy for the year April –10 to March -11. A total of 48,660 sessions which includes individual speech and language and fluency therapy sessions were given in the year April-2010 to March -11. The faculty and clinical staff provided supervision and counseling along with support and guidance to parents for home training.

In addition, clients were referred for various other therapies such as physio therapy, occupation therapy, autism therapy by the concerned supervisors. Tables 25-34 and figures 13- 20 depict the details of persons registered and other clinical statistics of the department.

Table 25: State wise Distribution of Registered Cases.

State	Male	Female	Total
Andra Pradesh	108	40	148
Arunachal Pradesh	0	0	0
Assam	11	3	14
Bangaladesh	0	0	0
Bihar	11	3	14
Chattisgarh	2	0	2
Delhi	1	1	2
Goa	2	1	3
Gujarat	2	1	3
Hariyana	4	0	4
Himachal Pradesh	0	0	0
Jarkhand	3	2	5
Karnataka	11221	7147	18368
Kashmir	0	0	0
Kerala	447	256	703
Madhya Pradesh	2	2	4
Maharastra	11	3	14

Malaya	1	0	1
Maldives	8	3	11
Manipur	1	0	1
Meghalaya	1	0	1
Orissa	8	0	8
Punjab	1	0	1
Rajasthan	6	0	6
Tamil Nadu	145	57	202
Tripura	1	0	1
Union Territories	1	1	2
Uttar Pradesh	6	4	10
Uttaranchal	1	0	1
West Bengal	18	4	22
<b>Total</b>	<b>12023</b>	<b>7528</b>	<b>19551</b>

Figure 13: State-wise Distribution of Registered Cases.

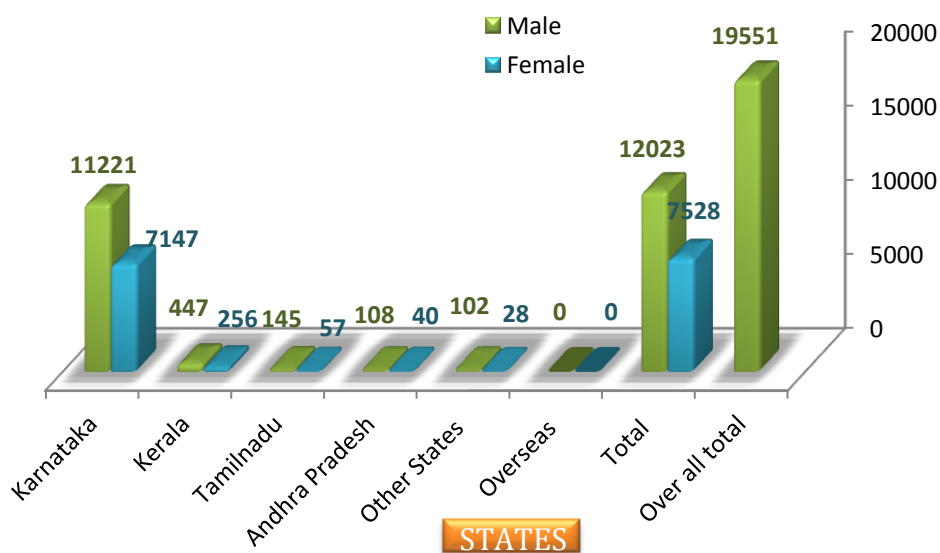


Table 26: Age-wise Distribution of Registered Cases.

Age Group	Male	Female	Total
00 - 05	1881	1239	3120
05 - 10	1355	782	2137
10 - 20	1805	1189	2994
20 - 40	3077	2224	5301
40 - 60	2107	1331	3438
60 - 80	1614	700	2314
80 & Above	184	63	247
<b>Total</b>	<b>12023</b>	<b>7528</b>	<b>19551</b>

Figure 14: Age-wise Distribution of Registered Cases.

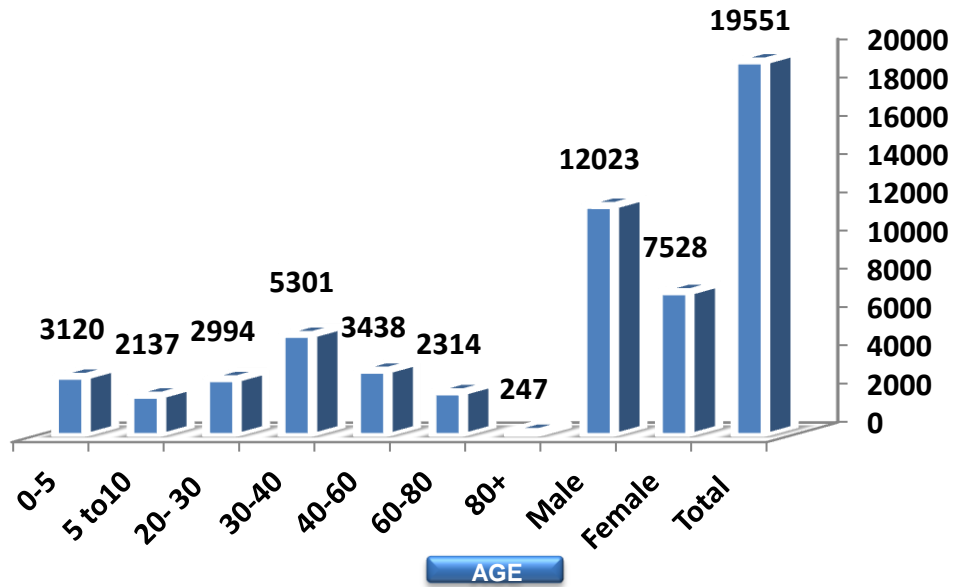


Table 27: Month-wise Distribution of Registered Cases.

Months	New Cases	Repeat Cases	Total Cases	No of Working Days	Daily Average
April	1990	2780	4770	20	239
May	1789	2808	4597	20	230
June	1655	2977	4632	22	211
July	1740	2847	4587	22	209
August	1566	2984	4550	22	207
September	1460	2422	3882	21	185
October	1702	2358	4060	20	203
November	1589	2455	4044	20	202
December	1708	2538	4246	22	193
January	1479	2270	3749	19	197
February	1464	2242	3706	19	195
March	1409	2272	3681	23	160
<b>Total</b>	<b>19551</b>	<b>30953</b>	<b>50504</b>	<b>250</b>	<b>202</b>

Table 28: Clinical Statistics of Speech & Audiology OPD.

Particulars		Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Total
Total	New	799	651	564	652	440	410	515	477	551	494	467	433	6450
Cases	Repeat	103	69	70	67	64	55	71	68	84	55	67	89	892
Registered	Total	902	720	634	749	504	465	586	545	641	549	534	520	7349
Speech Lang. OPD		902	720	634	749	504	465	586	545	641	549	534	520	7349
Audiology OPD		1240	1002	1104	1097	1153	1035	1197	1112	1209	1021	997	990	13157

Table 29: Disorder-wise Distribution of Diagnostic Evaluation at Speech/ Language OPD.

Disorders	Language Disorders			Voice Disorders			Fluency Disorders			Articulation Disorders			Multiple Disorders			Normal			Total
	C	A	G	C	A	G	C	A	G	C	A	G	C	A	G	C	A	G	
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	
<b>Total</b>	<b>4415</b>	<b>46</b>	<b>29</b>	<b>194</b>	<b>361</b>	<b>133</b>	<b>411</b>	<b>225</b>	<b>14</b>	<b>377</b>	<b>83</b>	<b>29</b>	<b>200</b>	<b>27</b>	<b>177</b>	<b>192</b>	<b>27</b>		
<b>Disorder Wise</b>		<b>4490</b>			<b>688</b>			<b>650</b>			<b>489</b>		<b>227</b>			<b>396</b>		<b>6940</b>	
<b>Overall Total</b>								<b>6940</b>											

\* C- Child, A- Adult, G- Geriatric

Figure 15 : Clinical Statistics of Speech & Audio OPD.

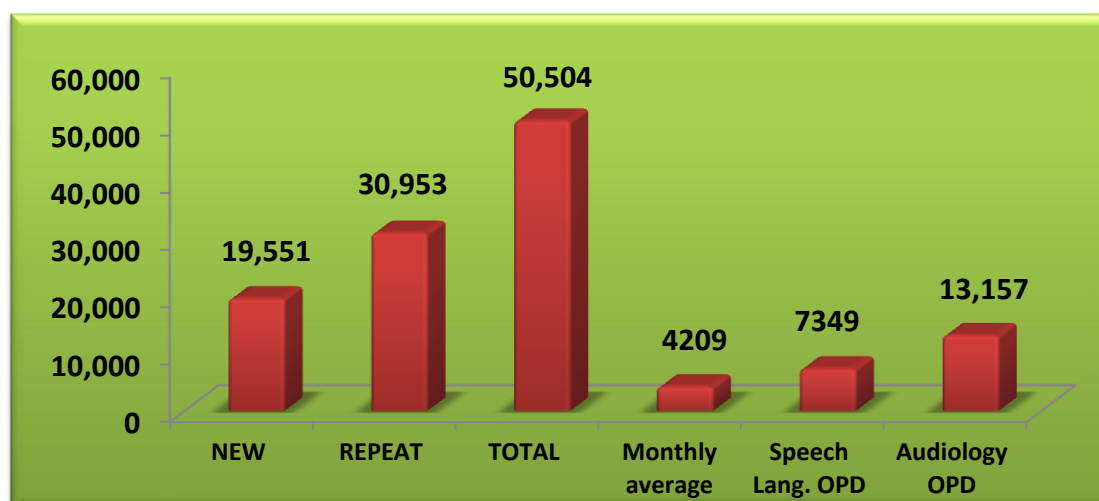


Figure 16: Disorders-wise Distribution of Diagnostic Evaluation at Speech/ language OPD.

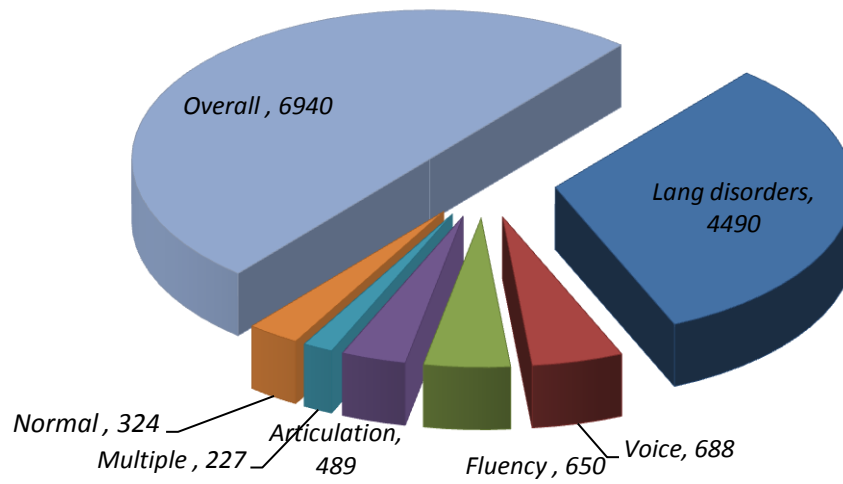


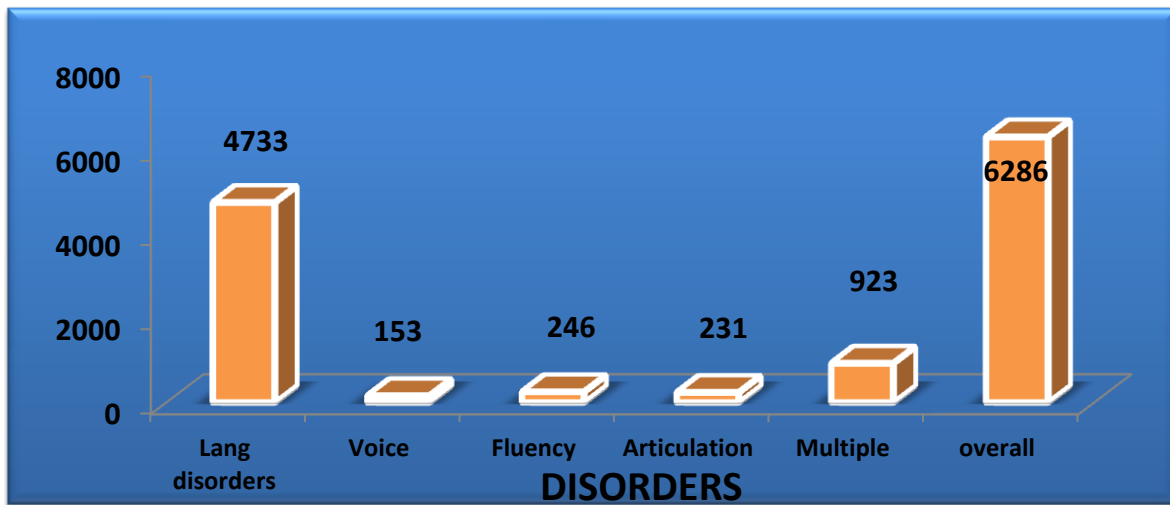
Table 30: Rehabilitation Statistics.

Disorders	Language Disorders			Voice Disorders			Fluency Disorders			Articulation Disorders			Multiple Disorders			Total
	C	A	G	C	A	G	C	A	G	C	A	G	C	A	G	
April	403	12	2	9	0	0	5	152	0	8	0	0	35	1	0	490
May	474	46	7	10	15	9	2	3	0	3	16	4	20	2	0	611
June	704	55	3	5	1	1	12	0	0	39	3	0	93	6	0	922
July	418	12	1	15	0	0	14	10	0	8	0	0	33	0	0	511
Aug	343	80	9	0	17	6	27	16	0	62	9	0	156	36	12	773
Sep	288	11	3	0	3	2	6	14	0	7	0	0	70	1	0	405
Oct	331	14	4	4	5	1	23	20	0	14	1	0	102	3	0	522
Nov	312	14	6	0	6	2	10	6	0	7	2	0	69	2	0	436
Dec	246	12	5	2	5	6	4	4	0	10	1	0	70	0	0	365
Jan	270	12	4	2	5	5	3	2	1	8	4	1	73	1	0	391
Feb	304	11	4	1	6	2	12	11	0	8	2	1	72	2	0	438
Mar	294	10	9	1	6	1	11	15	0	9	4	0	62	2	0	424
<b>Total</b>	<b>4387</b>	<b>289</b>	<b>57</b>	<b>49</b>	<b>69</b>	<b>35</b>	<b>129</b>	<b>116</b>	<b>1</b>	<b>183</b>	<b>42</b>	<b>6</b>	<b>855</b>	<b>56</b>	<b>12</b>	
<b>Disorder Wise</b>	<b>4733</b>			<b>153</b>			<b>246</b>			<b>231</b>			<b>923</b>			<b>6286</b>
<b>Overall Total</b>																<b>6286</b>

\* C- Child, A- Adult, G- Geriatric



Figure 17: Disorders-wise Distribution of Therapy.



### Specialized clinical services

Allied professionals such as Pediatrician, Neurologist, Plastic surgeon, Prosthodontist, Orthodontist, Phonosurgeon, physiotherapist and occupational therapists provide consultancy services for better patient care and management. The detailed statistics regarding the specialized clinical services provided during the reporting year are given in tables 31-33 and figures 18-20.

Table 31: Medical Speciality Clinical Services

		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
PT	Cases	57	52	82	88	91	90	104	109	135	108	105	127	1148
	Session	298	357	639	870	774	770	571	880	1157	827	876	986	9005
OT	Cases	74	72	71	90	89	86	88	100	108	129	124	131	1162
	Session	365	444	440	576	577	592	480	638	795	719	794	924	7344
	Neurologist	50	35	44	42	39	42	44	42	39	49	53	60	539
	Pediatrician	26	26	27	30	26	24	20	23	35	33	31	47	348
	Phonosurgeon	0	3	9	5	5	6	7	6	17	4	2	3	67
	Plastic surgeon	0	11	21	9	5	9	10	34	13	15	7	15	149
	Prosthodontist	10	9	5	5	5	4	12	2	3	5	8	3	71
	Orthodontist	0	0	0	0	5	4	5	28	3	8	7	3	63

Figure 18: Evaluation of Cases by Consultant Specialists.

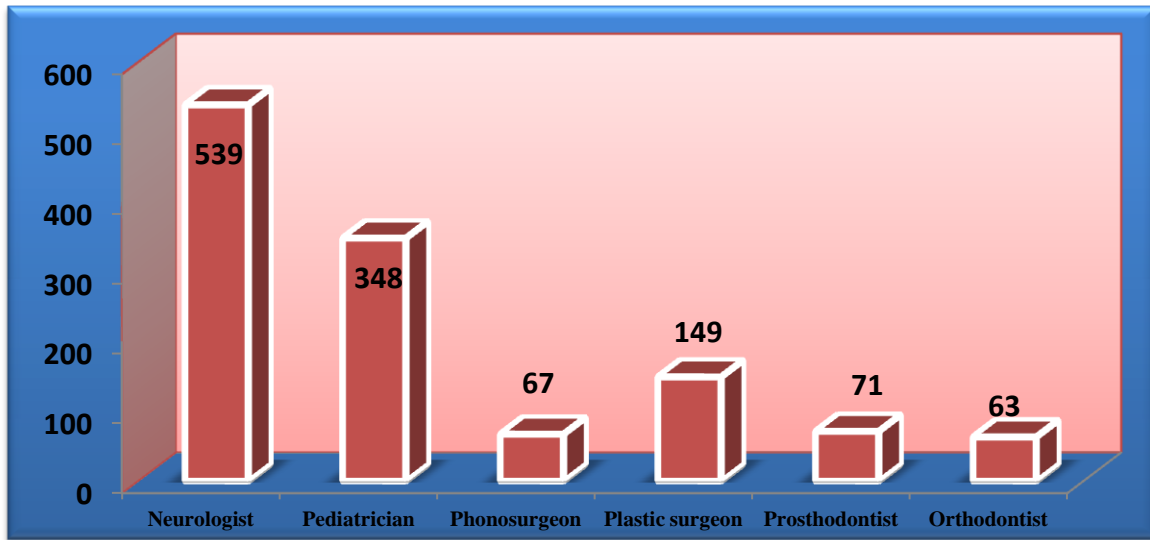


Figure 19: Clinical details of Physiotherapy and Occupation Therapy.

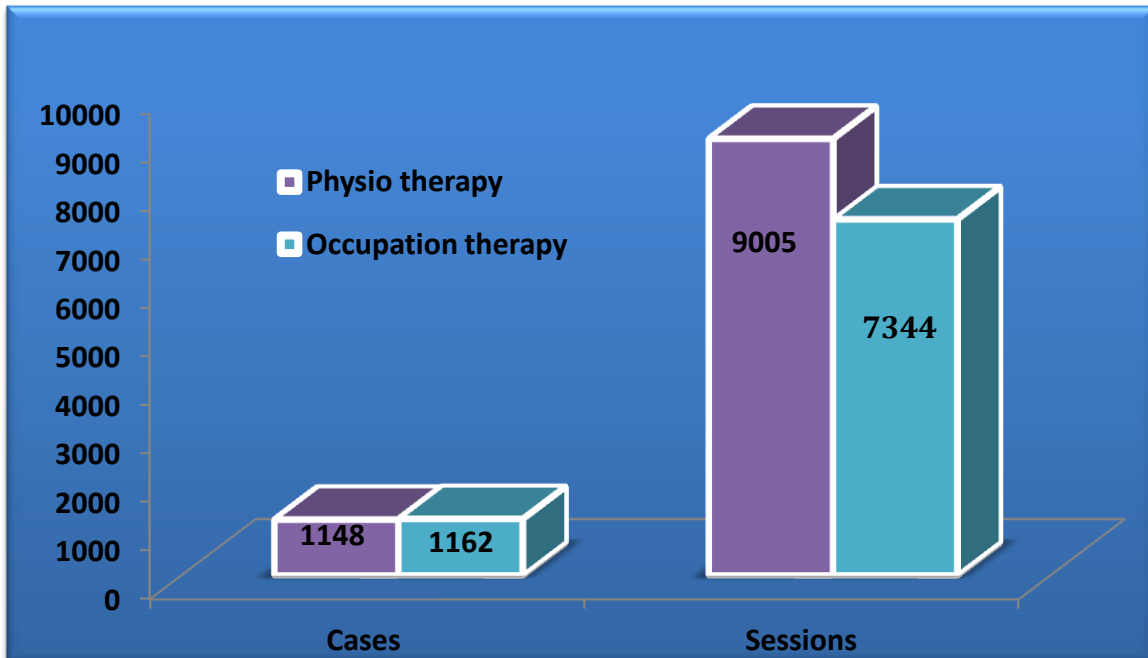


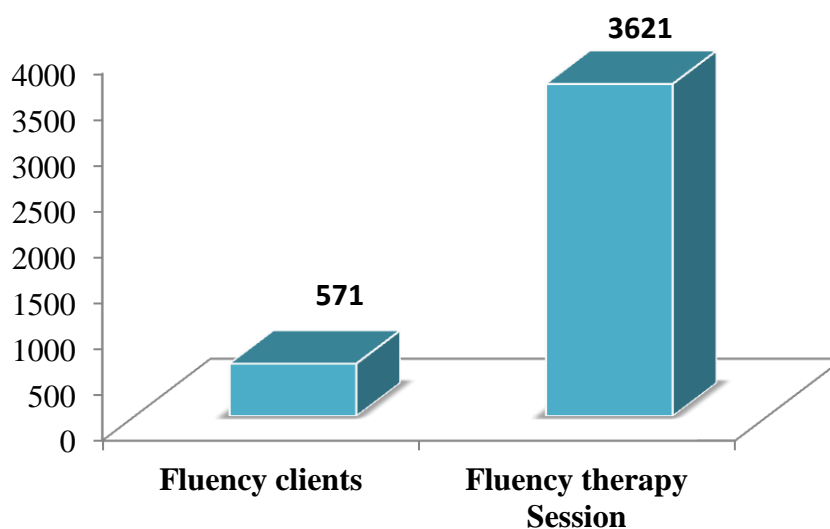
Table 32: Details of Persons Attending Therapy.

Particulars	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
No. of Cases	490	611	922	511	773	405	522	436	365	391	436	424	6286
													2140
													4146
No. of Sessions	3656	3080	11064	2850	3084	6300	3015	2280	2110	2000	2700	2900	45039
Demo therapy Cases	24	8	40	45	33	52	65	40	45	39	36	48	475
Cases discharged	36	10	16	20	12	12	10	26	31	18	8	9	208
No. of Hindi Cases	19	15	16	35	45	11	15	11	21	15	10	12	225
Gp parent Counseling	2	2	2	2	2	2	2	2	2	2	2	2	24
Correspond. (email/ FU)	5	0	12	9	12	60	39	16	65	119	26	9	372
Certificates Issued	23	0	15	12	19	6	13	11	19	21	6	17	162
Case report Issued	80	0	0	60	51	58	42	44	71	25	27	70	528

Table 33: Clinical Statistics of Fluency Unit.

Particulars	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
No.of Clients	107	94	12	29	43	33	72	31	44	35	27	44	571
No.of Session	509	526	27	194	450	218	390	315	283	208	186	315	3621

Figure 20: Clinical Statistics of Fluency Unit.



## Reports and Certificates

The reports and certificates issued by the department to the eligible candidates are given in table 34.

Table 34: Report and Certificates Issued.

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

## FACULTY AND STAFF ENGAGEMENTS

**Dr. S. P. GOSWAMI**

### Positions Held

- Head of the Department.
- Secretary, ISHA.
- Member , Fluency, LTU, AAC and U-SOFA units.
- Member, Public Grievances and Redressed Committee.
- Coordinator, JC/CC.
- Coordinator , DHLS Centre, Ranchi.
- Member, Anti Ragging Committee.
- Member, Selection for the post of Ear Mould Technician.
- Member, BOE, University of Mysore.
- Deputy Chief Superintendent, B.Sc. (Sp & Hg) Entrance Examination, 2010 at Kolkata centre.
- Chairman, Exhibition Committee, Institute Day Celebrations.
- Reviewer, JISHA Vol.24 (2) 2010 and 25 (1), 2011.
- External Examiner at PGIMER Chandigarh, Bangalore University and Mangalore University
- Returning officer, AIISH Gymkhana Election 2010.
- Chairman, Exhibition Committee, Open day celebrations.
- Member, CVO meeting.
- Member, Committee for the Implementation of MACP for Group D Employees.
- Coordinator, Central evaluation for UG , University of Mysore.
- RCI Inspector for the assessment BASLP program at Cochin and Guntur.
- Associate Editor, JISHA.

### Other Curricular and Extracurricular Engagements

- Delivered a guest lecture on LD and Autism as a part of C4D2 on 21.04.2010.
- Delivered a guest lecture on 'Rights, Concessions, Privileges, Referrals, Ethics and Legal Perspectives' in LD short term training at Dept of Clinical Services on 8 October 2010.
- Attended International congress on neurology and rehabilitation at Goa 23- 25 April 2010.
- Attended 43<sup>rd</sup> ISHACON at Kolkata 21-23 January 2011.
- Attended guest lecture by Dr. D.S.Guru on CBCS on 20 October 2010.

- Attended work shop on Pedagogy and evaluation methods on 17 November 2010.

**Ms. SANGEETHA MAHESH**

**Positions Held**

- Member, Canteen Committee.
- Member secretary, Exhibition Committee for Annual day celebration,2010.
- Member, Fluency unit.
- Member, Exhibition Committee, Open day celebration, 2010.
- Member, Committee for finalization & acceptance of TV spots.

**Other Curricular and Extracurricular Engagements**

- Resources person for 5th batch of C4D2 participants on 23rd April 2010. Delivered lecture on Government schemes, benefits and concessions.
- Resource person for SSA program on 14.07.10.
- Delivered a guest lecture in LD Short term training organized in Dept of Clinical Services.
- Resource person in workshop on management of children with multiple disabilities (16.03.11). inclusive and special set up organized by dept of special education.
- Attended In-house workshop on Digital swallowing station in Dept. of SLP on 11.10.10.
- Attended In house workshop on Dyslexia Screening test on 09.11.10.
- Attended workshop on Pedagogy and evaluation methods on 17.11.10.
- Attended lecture on 'Student Assessment' by Dr.G.Rangamani.

**Mr. GOPI SANKAR .R**

**Positions Held**

- Member,Canteen Committee.
- Member Secretary, Stage committee Open day celebrations.
- Member Secretary, U-Sofa unit.
- Member, Exhibition Committee for Annual day celebrations.
- Member ,Organization committee in ISAD celebrations.

**Other Curricular and Extracurricular Engagements**

- Presented Doctoral research proposal titled 'Some Acoustic and perceptual parameters in Cleft Palate Speech: A Pre-post operative condition'.
- Delivered a guest lecture in LD Short term training organized by Dept of Clinical Services.
- Orientation was given about communication disorders to anganwadi workers & NGO from Mysore district and B.Ed students from little flower convent,Chennai.
- Coordinated Professional material development: Updating & revisions of existing test materials.
- Coordinated for Address pamphlets of various speech and hearing centers & schools.
- Updated and modified clinical practicum module based on RCI – BASLP.
- Attended Assessment and Management of speech disorders related to cleft lip and palate on 28th January 2011 Chennai.
- Attended INDO-Cleft-CON 2011 at Chennai on 28-30 January 2011.

- Attended Short term training course in applications of MATLAB in speech and hearing at Manipal from 22-26 March 2011.
- Attended In house training program on Digital Swallowing workstation.
- Attended Workshop on “National Workshop on Professional Voice Assessment & Management” on 9-10 December 2010.

**Ms. PRIYA M .B**

#### **Positions Held**

- Member , EC, AIISH Gymkhana.
- Member, Internship Coordinator Committee.
- Member, Exhibition Committee for Annual day celebration.
- Compiler, Dissertations for diagnostic and therapeutic use.
- Member, School children’s competitions committee for Open day.
- Member, Committee to furnish the new International Guest House.
- Member, Cultural committee for Annual day celebration.

#### **Other Curricular and Extracurricular Engagements**

- Delivered an orientation to NSS volunteers on ‘Tips to study & write in Examination’ as part of NSS activity.
- Delivered a lecture on ‘Fluency Disorders- an Overview’ in the ISAD celebrated on 22.11.10.
- Delivered an orientation lecture for nursing students and staff from JSS Hospital, Mysore
- Delivered a guest lecture in LD Short term training organized in Dept of Clinical Services.
- Attended Short term training course in ‘Applications of MATLAB in speech and hearing’ at Manipal on 22-26 March 2011.
- Attended the in-house training program on ‘Digital Swallowing Workstation’ conducted by the Dept. of Speech Language Pathology on 11.10.10.
- Attended 2 day NSS camp at Handpost, H.D.Kote from 02.03.11 to 03.03.11.

**MS. PREETHI .T**

#### **Positions Held**

- Member, Exhibition Committee for Annual day celebration.
- Member, Committee for Pratibha Puraskar and Talents day for AIISH Gymkhana staffs.
- Member, EC, AIISH Gymkhana.
- Member, Library committee.
- Member, Special children’s events for Open day.
- Member, Committee for monitoring the new born-infant screening program in DHLS centers.
- Inspector, Incitation program of New Born Screening Program in Imphal.
- Member, AIISH Alumni Association.
- Member, AIISH News letter committee.

### **Other Curricular and Extracurricular Engagements**

- Delivered a guest lecture on: 'Overview on ADHD- types, causes, co-morbid conditions' on 6th October 2010 in LD Short term training organized in Dept of Clinical Services.
- Prepared home training materials in different language.
- Modified address pamphlets of various speech and hearing centers & schools across India.
- Attended Orientation program on Digital swallowing station in Dept. of SLP on 11.10.10.
- Attended Seminar on Research Methods by Dr.M.N.Hegde on 07.12.10.

### **Ms. RAMYA MAITREYEE**

#### **Positions Held**

- Member, School competition committee for Open Day celebrations.

#### **Other Curricular and Extracurricular Engagements**

- Delivered guest lecture in the LD short term training program by Dept. of Clinical Service on 4.10.10 to 8.10.10
- Attended in-house training program on Digital Swallowing Work Station on 11.10.10.
- Attended in-house training program on Dyslexia Screening Test-Junior.
- Attended workshop on Introduction to MATLAB on 27th March, 2011 held at AIISH.
- Attended Prof. Rangamani talk on 'Cognitive Linguistic Assessment and Management' on 15.03.11.

### **Ms. GEETHA M.P**

#### **Positions Held**

- Member, School Children committee for Open Day celebrations.

#### **Other Curricular and Extracurricular Engagements**

- Delivered guest lecture in the LD short term training program by Dept. of Clinical Service on 4.10.10 to 8.10.10
- Attended workshop on "Introduction to MATLAB" which was held on 27th March at AIISH.
- Attended workshop on "Digital Swallowing station" which was held on 11/10/2010.

### **Ms. PRATHIMA .S**

- Delivered guest lecture in the LD short term training program by Dept. of Clinical Service on 4.10.10 to 8.10.10
- Oriented School teachers on Speech and Language disorders and voice problems in children.
- Attended workshop on 'National Workshop on Professional Voice Assessment & Management' on 9-10 December 2010.

**Mr. AMITH KISHORE**

- Delivered a guest lecture 'Causes of Learning Disability' on 5th October 2010 in LD short term program organized by Dept of Clinical Services.
- In-house training program on Digital Swallowing Workstation conducted by the Dept. of Speech Language Pathology on 11.10.10.
- Workshop on "National Workshop on Professional Voice Assessment & Management" on 9th & 10th December 2010.

**Ms. SHWETHA .C**

- Delivered a guest lecture 'Role of Interdisciplinary Professionals for Assessment and Management of Learning Disability' on 5th October 2010 in LD short term program organized by Dept of Clinical Services.

**Ms. PRIYA SHRI S**

- Delivered a guest lecture 'Assessment and Management aspects of ADHD' on 6th October 2010 in LD short term program organized by Dept of Clinical Services.

**Mr. G.T. JAYAKARN**

- Delivered a lecture to 40 SSA resource teachers on the topic "Preventive Physiotherapy in school" on 25.08.2010.
- Delivered a lecture for the participants of C4D2 programme on 19.04.2010.

**Mr. SIDDESH. N.S.**

- Delivered a lecture to 40 SSA resource teachers on the topic "Preventive Physiotherapy in school" on 25.08.2010.
- Delivered a lecture for the participants of C4D2 programme on 19.04.2010.

## **DEPARTMENT OF ELECTRONICS**

**Profile**

The Department of Electronics continued its commitment in the dimensions of technology acquisition, technology development, training as well development and maintenance of technical infrastructure. The objective of the department is to provide technical support to the academic, clinical and research activities of the institute and thus improve quality and effectiveness of the services provided at the institute. The department is equipped with excellent infrastructure for electronic, acoustic and electro acoustic testing and other technological services. The Department also provides technical services to hearing aid users, various speech and hearing institutes, industries and the public.



## ACADEMIC ACTIVITIES

### A. Short-term Training Programs

The department conducted the following two short-term training programs, last year.

1	<b>Topic</b>	Acoustic measurements and calibration of audiological equipment.
	<b>Objectives</b>	To give hands on training in measurements and calibration.
	<b>Target Audience</b>	PG students, KIMS, Hubli.
	<b>No. of participants</b>	2.
	<b>Date</b>	27 October 2010.
2	<b>Topic</b>	Acoustic measurements and calibration of audiological equipment.
	<b>Objectives</b>	To give hands on training in measurements and calibration
	<b>Target Audience</b>	PG students, KIMS, Hubli.
	<b>No. of participants</b>	1.
	<b>Date</b>	21 December 2010.

### B. Seminars/Conferences/Workshops

<b>Co-ordinator</b>	Sri. N. Manohar.
<b>Theme</b>	Introduction to Matlab.
<b>Objectives</b>	To train the participants on the signal generation and processing tools available in Matlab.
<b>Target Audience</b>	Professionals and students in the area of Speech and Hearing.
<b>No. of participants</b>	80.
<b>Date</b>	27 March 2011.

## RESEARCH ACTIVITIES

### A. Funded Research Projects

#### A. 1 Project with Extramural Funding

1	<b>Title</b>	Design and Development of Speech Enhancer.
	<b>Objectives</b>	To develop a prototype of Speech Enhancer and conduct field trials.
	<b>Investigator(s)</b>	Sri. Ajish K Abraham.
	<b>Funding Agency</b>	Society for Biomedical Technology, DRDO, Govt. of India.
	<b>Amount</b>	₹ 2 lakhs.
	<b>Status</b>	Completed.
	<b>Achievements in 2010-11</b>	Prototype has been developed and clinical trials are going on.

#### A. 2 Project with ARF Funding

1	<b>Title</b>	Computerized Screening test for acquisition of syntax in Hindi (STASH) : An Adaption of STASK.
	<b>Objectives</b>	To computerize the screening test for acquisition of syntax in Hindi.
	<b>Investigator(s)</b>	Sri. Ajish K Abraham, Dr. S.P Goswamy and Sri. Brijesh Priyadarshi.
	<b>Amount</b>	₹. 5.8 lakhs.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Basic modality for computerization has been finalized, software development progress.

## B. Student Research

The department provides facilities and guidance for carrying out dissertation works to the students in other institutions. Last year, 12 B.Tech. students from various engineering colleges did their dissertation works at the Department of Electronics under the guidance of department faculty. The details are given below.

1	<b>Title</b> <b>Objectives</b> <b>Investigator(s)</b> <b>Guide</b> <b>Department/Institution</b> <b>Status</b> <b>Achievements in 2010-11</b>	Hearing screening device. Design & development. Ms. Arpitha H, Ms. Pallavi A, Shalini S, Vineetha Menon Ajish K Abraham Electronics & Communication Department, NIE, Mysore. Completed. Prototype developed.
2	<b>Title</b> <b>Objectives</b> <b>Investigator(s)</b>  <b>Guide</b> <b>Department/Institution</b> <b>Status</b> <b>Achievements in 2010-11</b>	Speech formants analysis. Design & development. Pavan Kumar, Santhosh M.A., Sathish kumar S Sravan Kumar M. Ajish K Abraham. Electronics & Communication Department, SJCE, Mysore. Completed. Prototype developed.
3	<b>Title</b> <b>Objectives</b> <b>Investigator(s)</b> <b>Guide</b> <b>Department/Institution</b> <b>Status</b>	Word counter for Human speech. Design & development. Bhuvangowda, Nayan Singh, Manjesh H.S. Ajish K Abraham. Electronics & Communication Department, SJCE, Mysore. Completed.
4	<b>Title</b> <b>Objectives</b> <b>Investigator(s)</b> <b>Guide</b> <b>Department/Institution</b> <b>Status</b> <b>Achievements in 2010-11</b>	Voice activated switch. Design & development. Archana KV, Bhavana S, Deepika B, Shivashankari C. Ajish K Abraham. Electronics & Communication Department, SJCE, Mysore. Completed. Prototype developed.
5	<b>Title</b> <b>Objectives</b> <b>Investigator(s)</b> <b>Guide</b> <b>Department/Institution</b> <b>Status</b> <b>Achievements in 2010-11</b>	Server based curator for museums. Design & Development. Rahul Salecha, Ravindra Babu, Ritesh MS, Sharan K. Ajish K Abraham. Electronics & Communication Department, SJCE, Mysore Completed. Prototype developed.

## C. Research Paper Publications/Presentations

1. Ajish K Abraham. Assistive device for museum access to persons with hearing impairment. National Conference on Emerging Medical Instrumentation (CEMI). Chandigarh, 10-11, May 2010.

## CLINICAL SERVICES

### A. Hearing Aid Issue and Electro-Acoustic Evaluation

- ADIP Scheme, Ministry of Social justice Empowerment. : a. At AIISH – 4624 hearing aids and Solar and battery chargers.
- b. At camps – 692 hearing aids and solar battery chargers.
- c. At outreach centres of Akkihebbal, Hullahalli & Gumbahalli – 122 hearing aids and Solar Battery chargers.

- B. AIISH Hearing Aid Dispensing Scheme** : 996 hearing aids

### C. Technological Consultancy Services

- i. Acoustic Measurements:
- a. Ambient noise and Reverberation time measurements at National Centre of Biological Sciences, Bangalore.
  - b. Reverberation time measurement at Kalamandira, Mysore.
  - c. Electro acoustic evaluation of 66 hearing aids received from the following agencies.
    - i. DRC, Chengalpet.
    - ii. State Commissioner for differently abled, Tamil Nadu.
    - iii. District Project Officer, SSA, Malappuram, Kerala.
    - iv.
- ii. Hearing Aid Repairs
- a. Body level hearing aids – 403 Nos..
  - b. BTE hearing aids – 116 Nos.
  - c. BTE hearing aids serviced free of cost – 446 Nos.

### EXTENSION ACTIVITIES

- Provided technical support for tele-rehabilitation services of CREDM Department.
- Provided technical support for village outreach program of POCD Department.
- Distributed hearing aids in the camps as given in table 35.

Table 35: Hearing Aid Distribution at Camps.

Sl. No.	Venue	No. of Hearing aids distributed	Date
1	Tarikere, Chikmagalore Dist.	192	23.04.10
2	T. Narasipura, Mysore.	4	29.09.10
3	J.S.S. Polytechnic for Physic.Handicap, Mysore	23	30.10.10
4	J.S.S. Polytechnic for Physic. Handicap., Mysore	32	13.11.10
5	Periyapatna, Mysore.	7	07.12.10

6	Mekedatu, Mysore.	23	12.12.10
7	T. Narasipura, Mysore	13	20.02.11
8	Hospete, Bellary.	76	24.02.11
9	H.D. Kote, Mysore	169	02.03.11
10	J.S.S. Polytechnic for Physic. Handicap, Mysore	17	05.03.11
11	Tarikere, Chikmagalore	95	17.03.11
12	Nanjangud, Mysore	41	27.03.11
<b>TOTAL</b>		<b>692</b>	

## FACULTY AND STAFF ENGAGEMENTS

**Mr. AJISH. K. ABRAHAM**

### Positions Held

- Technical Coordinator, DHLS program.
- Warden, Bodhi Gent's hostel.
- In-charge, Institute Vehicles.
- In-charge, AIIISH Website.
- Member, BOE, University of Mysore, Mysore.
- Member, Acoustics standards committee - Bureau of Indian standards, New Delhi.
- Member, EC, AIIISH Gymkhana.

### Other Curricular and Extracurricular Engagements

- Delivered guest lecture on 'Digital Signal processing in Hearing aids and Cochlear implants' at SJCE, Mysore as a part of orientation program for M.Tech, Biomedical Engineering on 21<sup>st</sup> April, 2010.
- Delivered guest lecture on 'Calibration of Audiological equipments' at J.S.S. Institute of Speech and Hearing, Mysore as a part of orientation program for Post-graduate students in Speech and Hearing on 17<sup>th</sup> July 2010.
- Delivered public lecture on 'Hearing aids – Care and Maintenance' in the public lecture series organized by AIIISH on 25<sup>th</sup> September 2010.
- Attended the meeting of the committee constituted for revision of ADIP Scheme on 27.04.2010 at Ministry of Social Justice and Empowerment, New Delhi.
- Chief Guest in the inaugural function of "Cascade'10, a departmental fest organized by the Association of Electronics and communication Engineering (AECES) at GSSS Institute of Engineering and Technology for Women, Mysore, on 29.04.2010 and delivered Keynote address.
- Chief Guest in the inaugural function of "Keralotsavam 2010" a Cultural fest organized by the Regional Institute of Education, Mysore, on 23.08.2010 and delivered keynote address.
- Attended the meeting of the committee constituted to assess the performance of ASIC Based Digital Programmable Hearing aid, Developed by CDAC Trivendrum at the Chambers of Director General of Health Services, New Delhi, on 07.02.2011

## Mr. N. MANOHAR

### Positions Held

- Member, Library Committee.
- Member, Committee for editing website contents.
- Member, Committee for AAC Speciality Clinic.
- In-charge, AIISH Digital Library Portal.

### Other Curricular and Extracurricular Engagements

- Organized workshop on 'Introduction to Matlab' on 27 March 2011.

## DEPARTMENT OF MATERIAL DEVELOPMENT

### Profile

The objective of the department is to develop materials in the form of print, electronic (audio and video) and performing arts media. The department undertakes need based activities as per the requirements of other departments including development and publication of various materials that are useful to general public, persons with communication disorders, parents/caregivers of children with communication disorders, student/professionals of speech and hearing including private practitioners in the field, and student/professionals of allied fields; from time to time.

The major activities of the department during the reporting year are given in table 36.

Table 36: Activities of the Department.

Sl. No.	Category	Quantity
1.	Materials Prepared	
	Posters	73
	Banners/Displays	2
	Brochures/ Folders	1
	Invitation Designing and formatting	18
	Certificates	86
	Handouts	10
	Letter head/Prescription	3
	CD Covers for Workshop/Seminar/Conference	13
	Pamphlets	38
	Book Cover Page	26
	Logo	2
	Pass	5
	Badges	2
	Calendar	1
	T Shirt designing	1
	Greetings Card	1
	Feedback Form designing	1

	News Letter	02
	Flash card	37
	Name board	05
	Book Layout	18
	Page Layout	187
	Application form	01
	Sketch for SSA Pamphlets	06
	Drawing of educational material	06
	Hand bill	08
	Prospectus: Cover page designing	09
	Annual Report Cover page	
	Long version (supplementary to AR)	01
	Short version	01
	Photo Editing	321
	Hoarding designing for street play	15
	Painting: Number marking on various materials, equipments and books.	
	Identity cards	440
		250
2.	Photo coverage of events	85
	Video coverage of events	9
3.	Work executed (for different departments)	
	Colour printout:	
	A3 Size (for display)	300
	A4 Size (for display)	1331
	Scanning Item	2366
	0	
	Photocopy (Pages)	14
		204
4.	Other Activities	
	Compilation of Annual Report 2009-10.	
	Compilation of Supplement to Annual Report 2009-10.	
	Preparation and designing of AIISH Table Calendar 2011.	
	Designing and printing of AIISH Greetings card for the year 2011.	
	Coordination of Video shooting for the documentary film on AIISH.	
	Script writing for TV spots.	

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## DEPARTMENT OF OTORHINOLARYNGOLOGY

### Profile

The Department of Otorhinolaryngology is a well equipped, specialized branch of medical sciences offering training, clinical services, research, public education and rehabilitation to patients with communication disorders.

### ACADEMIC ACTIVITIES

#### A. Short Term Training Programs

The department conducted 4 short-term training programs during the reporting year. The details are given below.

1	<b>Topic</b>	Departmental facilities and activities.
	<b>Objectives</b>	To orient on various services provided by the department.
	<b>Target Audience</b>	Post graduates ENT Students, KIMS, Hubli.
	<b>No. of participants</b>	2.
	<b>Date</b>	25-26 October 2010.
2	<b>Topic</b>	Departmental facilities and activities.
	<b>Objectives</b>	To orient on various services provided by the department.
	<b>Target Audience</b>	Post graduates ENT Students, KIMS, Hubli.
	<b>No. of participants</b>	1.
	<b>Date</b>	28-29 October 2010.
3	<b>Topic</b>	Departmental facilities and activities.
	<b>Objectives</b>	To orient on various services provided by the department.
	<b>Target Audience</b>	Post graduates ENT Students, SDUMS Kolar.
	<b>No. of participants</b>	3.
	<b>Date</b>	10-11 January 2011.
4	<b>Topic</b>	Departmental facilities and activities.
	<b>Objectives</b>	To orient on various services provided by the department.
	<b>Target Audience</b>	Post graduates ENT Students, SDUMS, Kolar.
	<b>No. of participants</b>	2.
	<b>Date</b>	24-25 January 2011.

### CLINICAL SERVICES

The department of otorhinolaryngology offers diagnostic services to various ear, nose and throat diseases. On an average about 50 microscopic examinations and 10 endoscopies are done every day. The department offers diagnostic and surgical treatment to about 150 patients per day. Minor procedure like suction clearance of ear discharge, removal of foreign bodies, removal of wax etc, chemical cauterization, endoscopic evaluation of voice, evaluation of vertiginous patients are the main activities of the department.

## A. General Clinical Services

The department is running a separate unit called AIISH, ENT 'D' unit at K.R Hospital, Mysore Medical College. Major surgeries, minor surgical procedures and emergency surgeries are done here and 20 bedded inpatient facility is being provided for AIISH patients where the patients at the Institute who need surgery are evaluated and operated. The detailed clinical activities of the department are given in tables 37 and 38.

Table 37: Clinical Statistics-I.

Cases seen in the Department of ENT, AIISH		Cases seen in the K.R. Hospital	
New Cases	15,560	New Cases	6,069
Old Cases	16,063	Old Cases	6,681
<b>Total</b>	<b>31,623</b>		<b>12,750</b>

Table 38: Clinical Statistics-II.

Diagnostics and Surgery	
Major Surgery	268
Minor Surgery	34
Microscopic Examination	16,754
Endoscopic Examination	279
Vertigo Cases	31
Certificates Issued	
Handicapped Certificate ( Pension)	260
Railway Concession Certificate	177
Medical Certificate	82

## B. Specialized Clinical Services

### B.1 Vertigo Clinic

The department started a specialized clinic in vertigo clinic, on October 22, 2010. 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 comprising of ENT surgeon, neurologist and audiologist provide the care. Facilities available in this unit include microscopic examination of ear, electronystagmography, vestibulo spinal tests neurological evaluation,



audiological tests and Vestibular Evoked Myogenic Potential (VEMP) test. Totally 31 patients were evaluated in the clinic last year for both peripheral and central vertigo.

## **FACULTY AND STAFF ENGAGEMENTS**

### **Dr. H. SUNDARA RAJU**

#### **Positions Held**

- Head of the Department.
- Chairperson, Public Grievance Committee.
- Member, MACP Implementation Committee.
- Member, Requirement Committee for the post of Medical Social worker.
- Member, Requirement Committee for the post of AMRO.
- Member, Staff Qtrs. Allotment Committee.

#### **Other Curricular and Extra-curricular Engagements**

- Delivered Lecture on 'ENT problems' for Certificate Course for Caregivers of Children with Developmental Disabilities ( C4D2) on 21.4.2010.
- Delivered guest lecture on 'Foreign bodies of the Ear, Nose, & Throat'.

### **Dr. G. RAJESHWARI**

#### **Positions Held**

- Chief Public Information Officer.
- Estate Officer.
- Chairperson, Hostel Committee.
- Member, Selection Committee.

#### **Other Curricular and Extra-curricular Engagements**

- Delivered guest lecture on 'Anatomy and Physiology of Vestibular System' on 22.10.2010 during the Inauguration of vertigo clinic.
- Delivered guest lecture on 'Overview of vestibular system' on Feb. 2011 at the National symposium of vertigo, organized by the department of Audiology.

### **Dr. T.K. PRAKASH**

#### **Positions Held**

- Member, Selection committee & DPC meeting.

## DEPARTMENT OF PREVENTION OF COMMUNICATION DISORDERS (POCD)

### Profile

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

### CLINICAL AND OUTREACH SERVICES

#### A. Orientation Programs

The department organized five orientation programs previous year, the details of which are given below.

1	<b>Topic</b> <b>Target Audience</b> <b>Location</b> <b>Coordinator(s)</b> <b>Date</b>	Communication Disorders: Early Identification and Prevention. Social workers and health workers. Chamaraja Nagar. Mr. Ramesh Chandra. I and Ms. Bhavya.M. 18 May 2010.
2	<b>Topic</b> <b>Target Audience</b> <b>Location</b> <b>Coordinator(s)</b> <b>Date</b>	Communication Disorders- Early Identification and Prevention. Social workers and health workers. Kollegal. Mr. Ramesh Chandra. I and Ms. Bhavya.M. 19 May 2010.
3	<b>Topic</b> <b>Target Audience</b> <b>Location</b> <b>Coordinator(s)</b> <b>Date</b>	Prevention and early identification of Communication Disorders. Nursing students, B.M. Hospital, Mysore. Department of POCD. Ms. Pragathi, E. 14 June 2010.
4	<b>Topic</b> <b>Target Audience</b> <b>Location</b> <b>Coordinator(s)</b> <b>Date</b>	Orientation to carry out survey of the population and identification of persons with communication Disorders. ASHA workers – Gumballi, Selected Women volunteers- Hullahalli and Akkihebbalu. Department of POCD. Dr.Vijaylakshmi Basavaraj, Dr.R.Manjula, Ms. Pragathi. E, and Ms. Bhavya. M. 2 September 2010.
5	<b>Topic</b> <b>Target Audience</b>	Orientation to carry out survey of the population and identification of persons with communication disorders. ASHA workers at Gumballi, Selected Women volunteers at Hullahalli

<b>Location</b>	and Akkihebbalu. Selected High school student volunteers of Gumballi, Hullahalli and Akkihebbalu.
<b>Coordinator(s)</b>	Department of POCD. Dr. R. Manjula and Ms. Pragathi. E.
<b>Date</b>	14 December 2010.

## B. Lecture Series

A series of lectures on various topics in the field of communication disorders were organized by the department through the video conferencing links to Hullahalli, Nanjangud Taluk and Akkihebbalu, K.R. Pete Taluk for different targets groups like ASHA workers, ANMs and general public. The details of the series lectures are as given in table 39.

Table 39: Lecture Series.

Sl. No	Resource person	Topic	Date
1	Dr.G.Jayaram, Reader in Clinical Psychology, Dept. of Clinical Psychology.	Signs and symptoms of Mental retardation in children and prevention and early identification of this condition.	03.05.2010
2	Dr.G.Jayaram, Reader in Clinical Psychology, Dept. of Clinical Psychology.	Signs and symptoms of Mental retardation in children and prevention and early identification of this condition.	04.05.2010
3	Dr.G.Jayaram, Reader in Clinical Psychology, Dept. of Clinical Psychology.	Signs and symptoms of Mental retardation in children and prevention and early identification of this condition.	05.05.2010
4	Dr.Vijalalakshmi Basavaraj, Director.	Signs and symptoms of Hearing impairment in children and prevention and early identification of this condition.	06.05.2010
5	Dr.Vijalalakshmi Basavaraj, Director.	Signs and symptoms of Hearing impairment in children and prevention and early identification of this condition.	07.05.2010
6	Dr.Vijalalakshmi Basavaraj, Director.	Signs and symptoms of Hearing impairment in children and prevention and early identification of this condition.	10.05.2010
7	Prof. S. Ventatesan, HOD, Dept. of Clinical Psychology.	Signs and symptoms of Learning disability in children and prevention and early identification of this condition.	11.05.2010

### C. Neonatal and Paediatric Screening for Communication Disorders

Infant screening focuses on neonates and infants. In this program, neonates and infants are screened using the following methods to identify risk factors that could lead to communication disorders: (i) High Risk Register for communication disorders, (ii) Behavioral Observation Audiometry (BOA), (iii) Oto Acoustic Emission screening (OAE), (iv) Screening Checklists. In the report year, infant screening program was carried out in (i) 12 hospitals in Mysore city (ii) 3 Immunization centres in Mysore city (iii) 2 PHC/CHC centres (CHC centre of Santhamaralli, Yelandur Taluk & PHC Centre of Hullahalli, Nanjangud Taluk). The details of infants screened at 12 hospitals in Mysore are given in table 40 and figures 21 and 22.

Table 40: Month-wise Infant Screening at Hospitals.\*

Months	Total	Male	Female	Ref.fr follow up
Apr 20010	1118	552	566	187
May 2010	1100	556	542	159
June 2010	1047	543	504	108
July 2010	1026	554	472	109
Aug. 2010	1162	604	558	117
Sept. 2010	1087	576	511	139
Oct. 2010	1037	570	467	93
Nov. 2010	1080	553	527	60
Dec. 2010	976	494	482	61
Jan 2011	1008	565	453	186
Feb 2011	886	453	433	121
Mar 2011	996	528	468	145
<b>Total</b>	<b>12523</b>	<b>6548</b>	<b>5983</b>	<b>1485</b>

\*Basappa Memorial Hospital, Combined Hospital, Harsha Hospital, Kamakshi Hospital, K.R.H Hospital, Makkala Koota Immunization Center, Mission Hospital, Immunization Centre, N.P.C Hospital, S.M.T.D.H Hospital, BGS Apollo & St. Joseph hospital

Figure 21: Hospital-wise Number of Infants Screened.

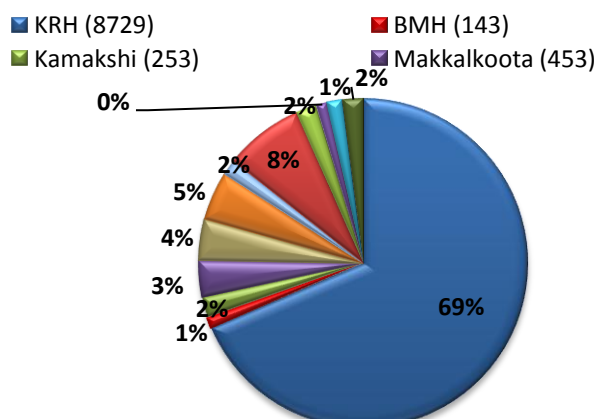
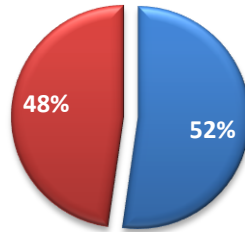


Figure 22: Gender-wise Details of Infants Screened.

■ Males (6548) ■ Females (5983)

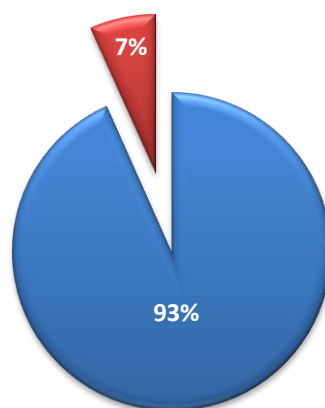


Parents were counseled regarding identification of any delay or deviancies in normal developmental milestones of speech, language, hearing, motor and other related domains that affects development of communication skills in the children. They were provided checklist to help monitor the development of the infant and if any delay or deviations were noted they were advised to visit the institute for follow up and further action.

**Follow up activities:** All referred cases of infant screening were followed up through telephonic calls and individual letters written to client/ parents / caregivers of infants at risk for communication disorders. Complete test battery was administered to each individual who were found to be at risk. Figure 23 depicts the statistics related to this activity.

Figure 23: Clients Visited AIISH for Detailed Evaluation

■ Total referred (1486) ■ Total number visited AIISH (106)



#### D. Clinical Services at Outreach Service Centres

The Outreach Service Centres of the department include the following:

- PHC centre, Hullahalli, Nanjangud Taluk, Mysore district – Initiated from 23<sup>rd</sup> November 2009.

- PHC centre, Akkihebbalu, K.R. Pete Taluk, Mandya district – Initiated from 24<sup>th</sup> November 2009.
- CHC centre, Santhamaralli, Yelandur Taluk, Chamarajanagar district (only infant screening) – Initiated from 28<sup>th</sup> July 2010.
- PHC centre, Gumballi, Yelandur Taluk, Chamarajanagar district – Initiated from 28<sup>th</sup> July 2010.

The objective of initiating the Outreach Service Centres was to provide diagnostic and speech-language therapeutic facilities for the persons residing in the rural areas nearby the selected Outreach Service Centres. Closely connected with this program, through AISH Research fund, two groups of volunteers were selected and trained to promote the cause of prevention and early identification of communication disorders. These included (1) ASHA workers attached to the Gumballi Outreach Centre and selected women volunteers in the Hullahalli and Akkihebbalu Centre (2) Selected student volunteers from High schools of nearby schools (8<sup>th</sup> and 9<sup>th</sup> grade) to assist the ASHA workers and women volunteers.

The following activities were carried out in the report year: (i) Empowering and training the ASHA workers, women volunteers and high school children in prevention and early identification of communication disorders,(ii) Orientation and sensitization program for senior health assistants, Members of the Village Panchayat, NGO's working in the village and other Health workers attached to the village(iii) Distribution of Public Education Materials and Resource Materials among the public and the persons with communication disorders. The routine clinical activities carried out in the outreach service centres are : E.N.T evaluation, Infant screening Audiological evaluation, Speech-Language evaluation, Speech-Language therapy, Hearing aid trial and distribution of hearing aids under ADIP Scheme, Earmold impression and distribution and Counseling and Guidance services. Figures 24-29 show clinical statistics of three outreach service centres.

Figure 24: Communication Disorder-wise Details of Clients.

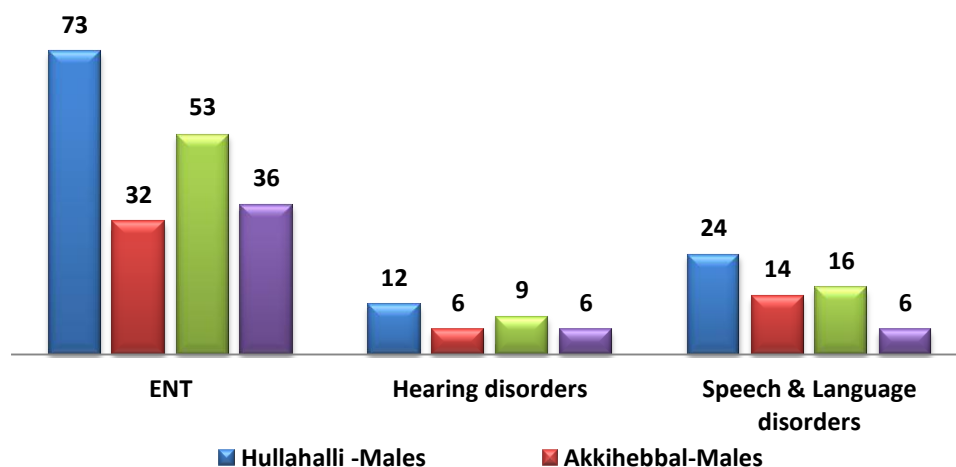


Figure 25: Hearing Aids Issued and Ear Molds made for Clients in Hullahalli & Akkihebbalu.

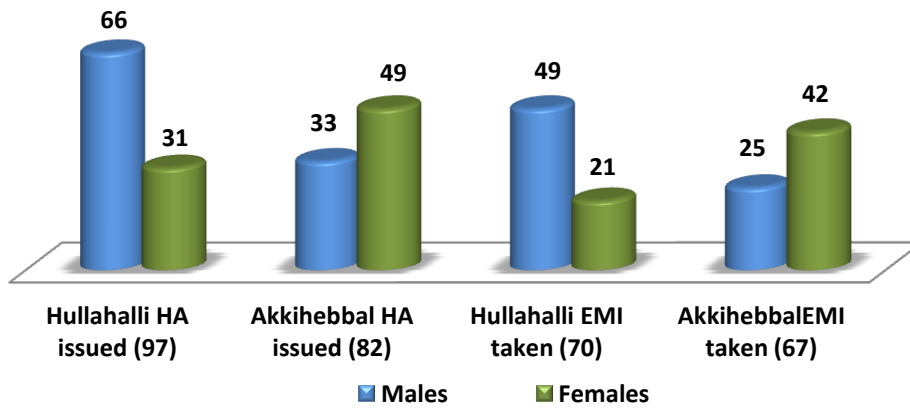


Figure 26: Details of Clients seen at Gumballi-Santhemaralli Outreach Service Centres.

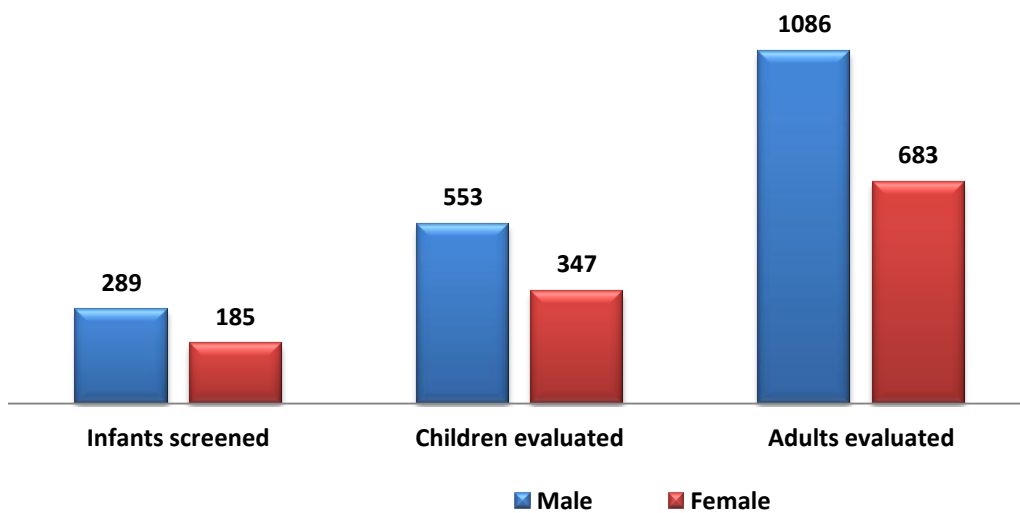


Figure 27: Clients Seen at Gumballi Outreach Service Centres.

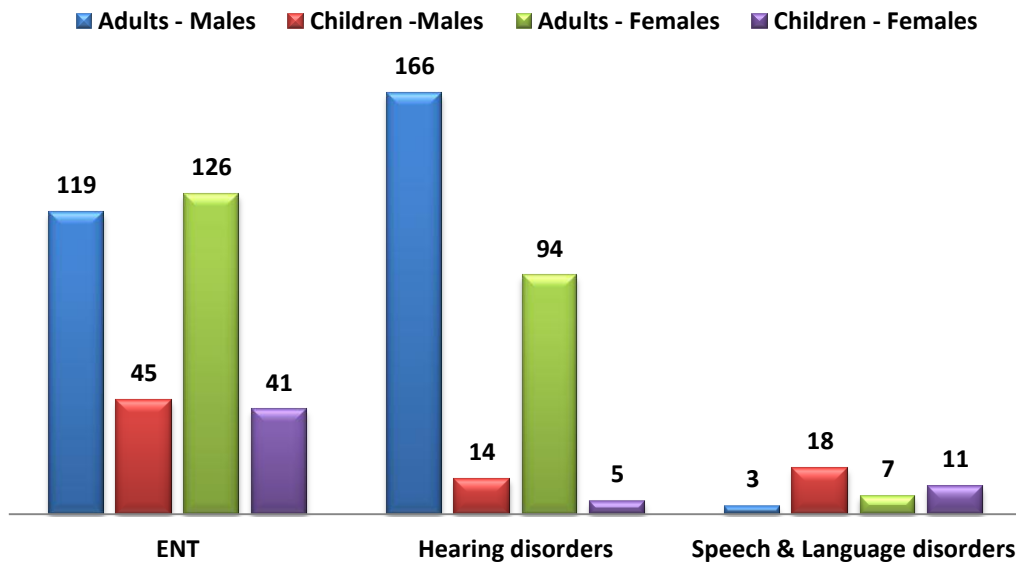


Figure 28: Hearing Aids Issued & Ear Molds made for Gumballi Outreach Service Centres.

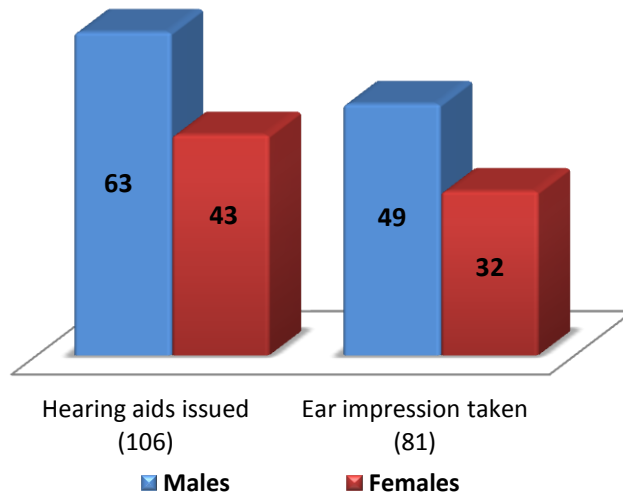
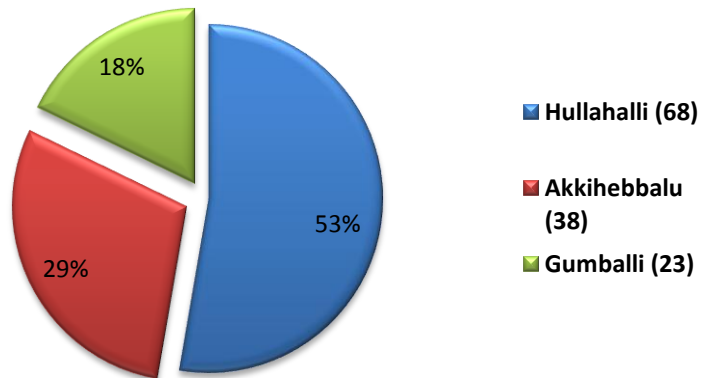




Figure 29: Clients Recommended for Speech and Language Therapy.



### E. Hearing Screening of Industrial Workers

A total of 132 employees in Karnataka Silk Industries Co. (KSIC) were screened for hearing abilities. Most of the employees of this industry had high frequency sloping hearing loss due to exposure to high noise level. The employees were counseled regarding the need to use ear protective devices to protect their hearing. They were also counseled regarding attenuation of noise level at the source and transmission medium. The details of the hearing evaluation of the employees are represented in figures 30-31.

Figure 30: Employees Screening Details.

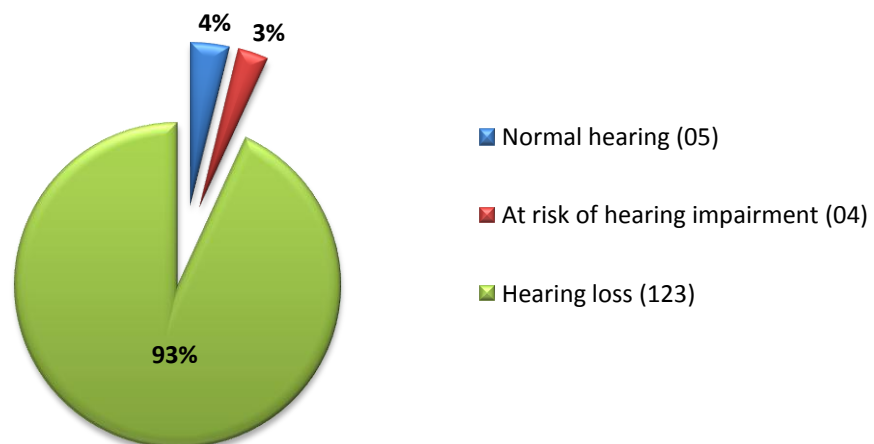
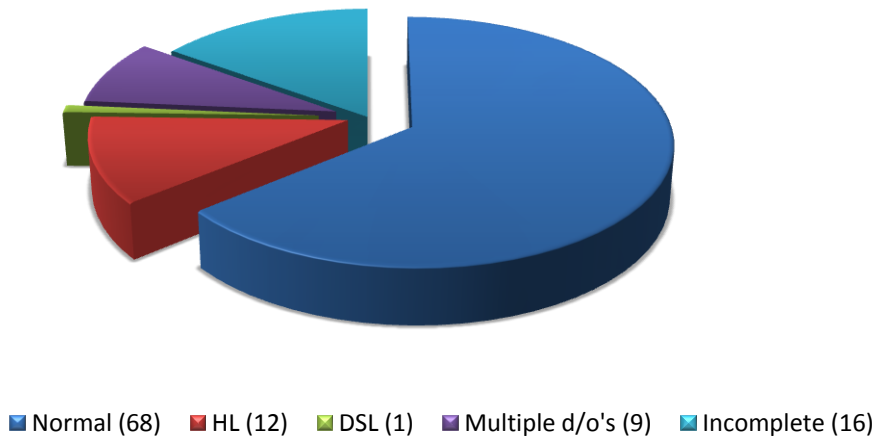


Figure 31: Communication Disorders Identified through Detailed Evaluation.



## F. Extension Activities

### F.1 Organization of Screening Camps

Several camps were conducted with the objective of identifying individuals with speech, language and hearing problems at various places within and outside Karnataka in the report year. These camps were mainly sponsored by NGO's, SSA, state and district agencies. The statistics of individuals evaluated and referred to the institute for follow up and clients who were issued hearing aids and certificates are shown in table 41 and figures 32-34.

Table 41: Details of Screening Camps.

S. No	Location	Sponsored Organization	No. of Clients	Date	Cases ref. for follow up
1	Tarikere, Chikkamagalur.	Rotary Club, Tarikere.	351	23.4.10	88
2	Nanjangud, Mysore.	Mysore Dist. Surgeon Association.	57	11.7.10	25
3	S. Battery, Kerala.	SSA	277	29.7.10	73
4	Panamaram, Kerala.	SSA	429	30.7.10	171
5	T.Narsipura, Mysore.	Chaitanya Charitable Trust, Mysore.	96	29.9.10	30
6	Piriyapatna, Mysore.	Chaitanya Charitable Trust, Mysore.	67	7.12.10	8

7	Meke Daatu, Kanakapura.	SGS Hospital, Ganapathy Ashram, Mysore.	94	12.12.10	16
8	Hebbal, Mysore.	Lions Club, Mysore.	90	16.12.10	13
9	T.Narasipura, Mysore.	Rotary Club, T. Narasipur.	84	20.2.11	5
10	Hosapet, Bellary.	Rotary Club, Hospet.	244	23.2.11 to 25.2.11	7
11	H.D Kote, Mysore.	NSS, AIISH.	582	02.02.11 & 03.03.11	136
12	Tarikere, Chckmagalur district.	Rotary Club, Tarikere.	316	17.03.11	19
13	Devanuru, Chamarajanagar district.	Gurumalleswara Seva Samiti, Devanuru.	159	27.03.11	9
<b>TOTAL</b>			<b>2846</b>		<b>600</b>

Figure 32: Gender-wise Screening at Camps.

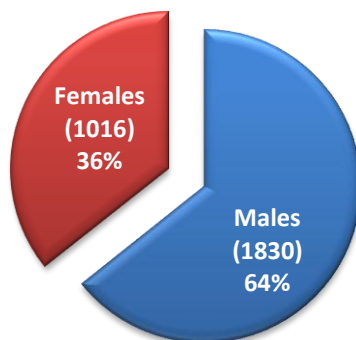


Figure 33: Types of Speech Language & Hearing Disorders Diagnosed at Camps.

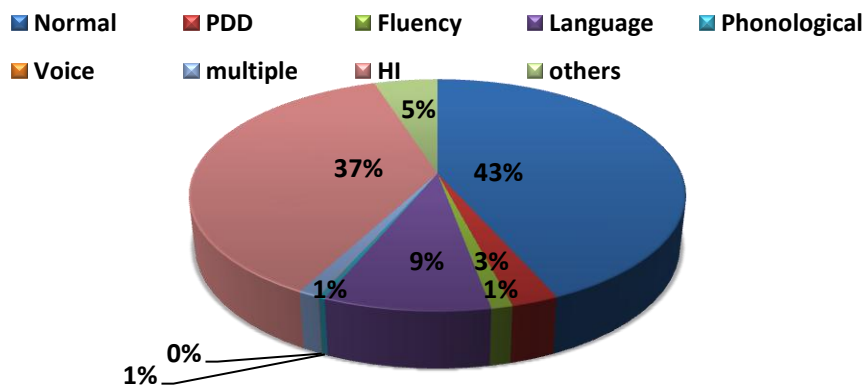
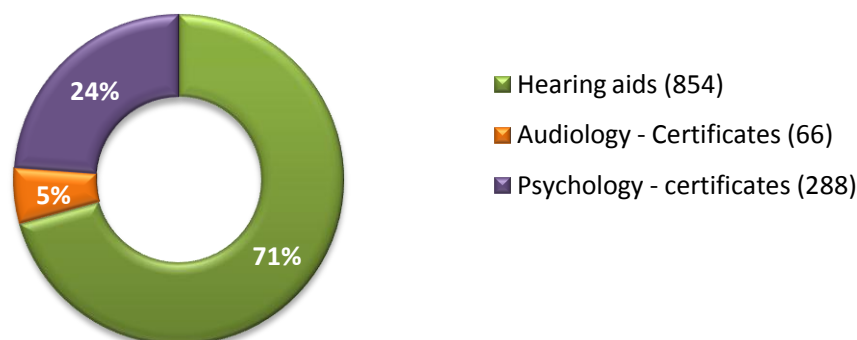


Figure 34: Hearing Aids Prescribed and Certificates Issued in the Camps.



## F.2 Publicity and Information

Public education materials were prepared to create awareness regarding hearing, speech, language and other communication disorders. Some of the materials prepared earlier were translated in different languages to be used by the public. The details are given in table 42.

Table 42: Public Education Material Preparation.

Sl. No	Title	Language	Status
1	Data Sheet ,3 <sup>rd</sup> Edition.	English	Printed
2	Checklist on communication disorders for use by health workers and volunteers in the Outreach Service centres.	Kannada	Printed
3	Door-to- door survey report booklet for use by health workers and volunteers in the Outreach Service centres.	Kannada	Printed
4	NIHL poster.	English	Printed
5	Handout to create awareness on protection of hearing from loud noise during Diwali.	English	Printed
6	Flipcharts on hearing.	English &Kannada	Under Preparation
7	Flipcharts on ear care.	English & Kannada	Under Preparation
8	Referral card (OSC).	Kannada	Under Preparation
9	Manual on communication disorders for health workers.	English &Kannada	Under Preparation
10	Brochure on ear discharge.	English & Kannada	Under Preparation
11	Pamphlet on NIHL.	English	Under Preparation
12	Manual on new born hearing screening.	English	Under Preparation
13	Pamphlet on CSOM.	English	Under Preparation
14	Pamphlet on Vocal hygiene for Teachers.	English	Under Preparation
15	Pamphlet on Ear protective devices.	English	Under Preparation
16	Cross word puzzle on communication disorders.	English	Under Preparation
17	Translation of data sheets, HRR, Do's and Don'ts .	Oriya, Manipuri and Hindi	Under Preparation

## DEPARTMENT OF SPECIAL EDUCATION

### Profile

The Department strives towards the ultimate goal of enabling social mainstreaming of individuals with communication disorders through efforts towards inclusive education. The Department endeavours to realise this goal through achievement of the objectives such as development and implementation of appropriate assessment procedures necessary for decision-making in the educational life of individuals with communication disorders, adaptation of special instructional materials and methods for children with communication disorders and their dissemination to educators and related professionals around the country, research, development and dissemination of special strategies for promoting inclusive education like effective preparatory training, on-going curricular support services, in-service orientation of mainstream educators, empowerment of caregivers, identification, up-gradation and dissemination of means of effective, alternative and non-formal means of education for individuals with communication disorders who could not join mainstream of education, manpower development in the field of special education, as well as among allied professionals, caregivers and other stake holders involved in education of children with communication disorders.

### ACADEMIC ACTIVITIES

#### A.Short-term Training Programs

The department conducted 20 short-term training/orientation programs during the reporting year. The details are given below.

- |    |   |  |
|----|---|--|
| 1. | <b>Topic</b><br><b>Objectives</b><br><b>Target Audience</b><br><b>Number of Participants</b><br><b>Date</b>     | Case Study of Children with Special Needs.<br>To provide orientation on Special Educational Services.<br>B.Ed Students, Vatsala College of Education, Mysore.<br>2.<br>9 June 2010.  |
| 2  | <b>Topic</b><br><b>Objectives</b><br><b>Target Audience</b><br><br><b>Number of Participants</b><br><b>Date</b> | Preschool training for Children with Autism.<br>To provide orientation on Special Educational Services.<br>Ms. Geetha & Trainee from Aashiaana, Centre for Training Children with Autism, Mysore.<br>2.<br>16- 30 June 2010. |
| 3  | <b>Topic</b><br><b>Objectives</b><br><b>Target Audience</b><br><b>Number of Participants</b><br><b>Date</b>     | Preschool training for Children with Communication Disorders.<br>To provide orientation on Special Educational Services.<br>Trainees ,C4D2 Batch of April 2010.<br>14.<br>4-30 June 2010.                                    |
| 4  | <b>Topic</b><br><b>Objectives</b><br><b>Target Audience</b><br><b>Number of Participants</b><br><b>Date</b>     | Preschool Training for Children with Communication Disorders.<br>To provide orientation about Special Educational Services.<br>PG students, Coorg Institute of Dental Sciences.<br>5.<br>5 July 2010.                        |

5	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>Number of Participants</b> <b>Date</b>	Preschool Training for Children with Communication Disorders. To provide orientation on Special Educational Services. PG student,Coorg Institute of Dental Sciences. 1 . 26 July 2010.
6	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>Number of Participants</b> <b>Date</b>	Practical Observation of Preschool Training for Children with Communication Disorders. To provide orientation on Special Educational Services. Trainees , C4D2 Batch of April 2010. 2. 1-15 July 2010.
7	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>Number of Participants</b> <b>Date</b>	Activities of the Department of Special Education. To provide orientation on Special Educational Services. Speech & Hearing UG students , University of Utrecht. 3, 16-20 August 2010.
8	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>Number of Participants</b> <b>Date</b>	Preschool training of children with impairment. To provide orientation on practice Teaching in Pre-school. D.Ed. – SE (HI) Students from Government Special Teacher Training Centre, Tilak Nagar. 06. 13-15 September 2010. 20-22 September 2010.
9	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>Number of Participants</b> <b>Date</b>	Preschool training of children with hearing impairment. To provide orientation on practice Teaching in Pre-school. D.Ed. – SE (HI) Students , Government Special Teacher Training Centre, Tilak Nagar. 06. 2-6 November 2010.
10	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>Number of Participants</b> <b>Date</b>	Pre-School services. To provide orientation on Special Educational Services. Dr. Harsha, Dental College, Mysore. 1. 24 December 2010.
11	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>Number of Participants</b> <b>Date</b>	Pre-School services. To provide orientation on Special Educational Services. Dr. Avanthika, Dental College, Mysore. 1. 27 December 2010.
12	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>Number of Participants</b> <b>Date</b>	Pre-School services. To provide orientation on Special Educational Services. Dr. Rama Subba Reddy & Dr. Sreenath Venugopal Nair, Kolar. 2. 21 January 2011.
13	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b>	Pre-School services. To provide orientation on Special Educational Services. Dr. Vanishree, Dr. George Babu, Dr. Jaya paul, Dr. Vipin Jain.

		K, Dr. M.J. Mathew & Dr. C.B. Sandeep, Coorg Institute of Dental Science, Virajpet.
	<b>Number of Participants</b>	7.
	<b>Date</b>	31 January 2011.
14	<b>Topic</b>	Pre-School services.
	<b>Objectives</b>	To provide orientation on Special Educational Services.
	<b>Target Audience</b>	B.Ed Students, St. Joseph's College of Education, Mysore.
	<b>Number of Participants</b>	98.
	<b>Date</b>	10 April 2010.
15	<b>Topic</b>	Pre-School services.
	<b>Objectives</b>	To provide orientation on Special Educational Services.
	<b>Target Audience</b>	B.Ed Students, Amrutha Mahavidyalaya College of Education, Mysore.
	<b>Number of Participants</b>	50.
	<b>Date</b>	17 April 2010.
16	<b>Topic</b>	Use of Hearing Aid Analyzer and Tester.
	<b>Objectives</b>	To orient Special Educators on Use of Hearing Aid Analyzer and Tester.
	<b>Target Audience</b>	Special Educators.
	<b>Number of Participants</b>	4.
	<b>Date</b>	12 May 2010.
17	<b>Topic</b>	Use of Hearing Aid Analyzer and Tester.
	<b>Objectives</b>	To orient Special Educators on Use of Hearing Aid Analyzer and Tester.
	<b>Target Audience</b>	Special Educators.
	<b>Number of Participants</b>	2.
	<b>Date</b>	14 May 2010.
18	<b>Topic</b>	Use of Hearing Aid Analyzer and Tester.
	<b>Objectives</b>	To orient Special Educators on Use of Hearing Aid Analyzer and Tester.
	<b>Target Audience</b>	Special Educators.
	<b>Number of Participants</b>	4.
	<b>Date</b>	17 May 2010.
19	<b>Topic</b>	Use of Hearing Aid Analyzer and Tester.
	<b>Objectives</b>	To orient Special Educators on Use of Hearing Aid Analyzer and Tester.
	<b>Target Audience</b>	Special Educators.
	<b>Number of Participants</b>	4.
	<b>Date</b>	18 May 2010.
20	<b>Topic</b>	Use of Hearing Aid Analyzer and Tester.
	<b>Objectives</b>	To orient Special Educators on Use of Hearing Aid Analyzer and Tester.
	<b>Target Audience</b>	Special Educators.
	<b>Number of Participants</b>	2.
	<b>Date</b>	20 May 2010.

## B. In-house Training Program

The department organized the following in-house training programs during last year.

1	<b>Coordinator(s)</b>	Prof. K.S. Prema.
	<b>Theme</b>	Early Intervention for Children with Hearing Impairment by Ms. Janani Jayaraman.
	<b>Objectives</b>	Sensitize special educators on significance of early intervention for children with HI and orient on advanced techniques.
	<b>Target Audience</b>	Special Educators.
	<b>No. of Participants</b>	14.
	<b>Date</b>	24 June 2010.
2	<b>Coordinator(s)</b>	Prof. K.S. Prema.
	<b>Theme</b>	Checklist on Evaluating on Pre-school Children by Dr. Swapna N., Lecturer-Department of Speech Language Pathology.
	<b>Objectives</b>	Orientation on the various checklists developed for evaluation of preschool children in order to employ the checklists in preschool training center.
	<b>Target Audience</b>	Special Educators.
	<b>No. of Participants</b>	16.
	<b>Date</b>	8 September 2010.

## C. Seminars/Conferences/Workshops

The department conducted the following five seminars/conferences during the preceding year.

1	<b>Coordinator(s)</b>	Prof. K.S. Prema.
	<b>Theme</b>	Development of Intervention Modules for Preschool Children with Communication Impairment.
	<b>Objectives</b>	Orientation on the intervention modules for preschool children in order to employ the modules in preschool training center.
	<b>Target Audience</b>	Special Educators.
	<b>No. of participants</b>	25.
	<b>Date</b>	12 October 2010.
2	<b>Coordinator(s)</b>	Prof. K.S. Prema.
	<b>Theme</b>	Role of Performance Arts in Language Training.
	<b>Objectives</b>	Orientation on Performance Arts in Language Training for preschool children.
	<b>Target Audience</b>	Special Educators.
	<b>No. of participants</b>	25.
	<b>Date</b>	22 October 2010.
3	<b>Coordinator(s)</b>	Prof. K.S. Prema.
	<b>Theme</b>	Education in the Global Front.
	<b>Objectives</b>	To discuss the importance of education in the global front through international exchange programmes.
	<b>Target Audience</b>	Fulbright Alumni, Faculty, Students from AIISH and Different DHLS Centers.
	<b>No. of participants</b>	150.
	<b>Date</b>	19 November 2010.
4	<b>Coordinator(s)</b>	Ms. Leena, Ms. Ramanakumari. P.V, Ms. B.N. Shobha & Dr. G. Malar.



	<b>Theme</b>	Management of Children with Multiple Disabilities in Inclusive and Special Setup.
	<b>Objectives</b>	To make aware of how to manage children with MD in Inclusive and Special Setup.
	<b>Target Audience</b>	B.S.Ed, M. S.Ed, Regular B.Ed trainees.
	<b>No. of participants</b>	200.
	<b>Date</b>	16 March 2011.
<b>5</b>	<b>Coordinator(s)</b>	Ms. Vijayalakshmi. S & Ms. Rasiabi.
	<b>Theme</b>	Importance of Selection of Medium of Instruction for Mainstreaming and Curricular Support through Mother Tongue.
	<b>Objectives</b>	To make aware the care givers regarding the importance of selection of medium of instruction.
	<b>Target Audience</b>	Caregivers.
	<b>No. of participants</b>	200 members.
	<b>Date</b>	18 March 2011.

## RESEARCH ACTIVITIES

### A. Funded Research Projects

#### A.1. Projects with ARF Funding

<b>1</b>	<b>Title</b>	Efficacy of Multidisciplinary Preparatory Services of AIIISH in Mainstreaming Children with Communication Disorders.
	<b>Objectives</b>	To survey the impact of multidisciplinary early intervention services offered at AIIISH on the current school performance of children with different kinds of communication disorders.
	<b>Investigator(s)</b>	Dr. Vijayalakshmi Basavaraj Dr. G. Malar, Dr. N. Sreedevi and Mr. C.B. Suresh.
	<b>Amount</b>	₹. 3.32 lakhs.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	The project commenced with appointment of 2 research staff in the month of February 2010. In the ensuing 2 months tools were developed. In the one year between April 2010 and March 2011 maximum possible former clients and mainstream teachers were covered.
<b>2</b>	<b>Title</b>	Special Educators Knowledge, Attitude and Practice with Regard to Early Intervention.
	<b>Objectives</b>	To assess the knowledge of special educators about the early intervention strategies for children with hearing impairment and to assess the attitude of special educators towards early intervention programmes for children with hearing impairment.
	<b>Investigator(s)</b>	Ms. Prithi Nair and Dr. I.P. Gowramma.
	<b>Amount</b>	₹.. 2.20 lakhs.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Data collection has been completed using the developed tool. Analysis was done on the basis of qualifications and experience of the teachers. Finalization of the project report is under progress.
<b>3</b>	<b>Title</b>	Attitude of Preservice Educators towards Inclusive Education
	<b>Objectives</b>	To develop an attitude scale for assessing the attitude of pre-service educators and teacher educators towards inclusive education.

<b>Investigator(s)</b> <b>Amount</b> <b>Status</b> <b>Achievements in 2010-11</b>	Ms. Palnaty Vijetha and Ms. Prithi Nair ₹. 2.50 lakhs Ongoing Post-data have been collected from 291 teacher trainees in 05 B.Ed colleges only which were selected randomly. Analysis of the same has been completed. The project report is being finalized to be submitted.
<b>4 Title</b> <b>Objectives</b>  <b>Investigator(s)</b>  <b>Amount</b> <b>Status</b> <b>Achievements in 2010-11</b>	School Readiness Test in Mathematics. To develop a test for assessing the readiness of children with Hearing Impairment in Pre-Arithmetic Skills. Prof. Asha Yathiraj, Dr. I.P. Gowramma, Ms. Prithi Nair, Ms. Palnaty Vijetha and Dr. G. Malar. ₹. 2.20 lakhs. Ongoing. Data collection has been completed with the final test being administered on 37 children with hearing impairment and 100 typically developing children ranging in the age from 4.5-6 years. Finalization of the project report is under progress.
<b>5 Title</b>  <b>Objectives</b>  <b>Investigator(s)</b> <b>Amount</b> <b>Status</b> <b>Achievements in 2010-11</b>	Effectiveness of FM System in Preschool Groups of Children with Hearing Impairment. To evaluate the effectiveness of FM system in preschool groups of children with Hearing Impairment. Dr. Vijayalakshmi Basavaraj and Ms. Anagha. D. ₹. 2.40 lakhs. Ongoing. Language evaluation was carried out based on Computerized Linguistic Protocol for screening (CLiPS). Data has been compiled and report is under progress.

## B. Postgraduate Research

The details of postgraduate research carried out in the department during the reporting year are given in table 43.

Table 43: Postgraduate Research.

S.No.	Candidate	Title	Guide	Status
1	Dilip Kumar D	Development of grade level assessment test in English for grade-V.	Ms.Vijetha. P	Completed
2	Durgesh K.M	Development of Orientation Materials for Mainstream educators on Classroom Management of Children with Hearing Impairment & Studying its Efficacy.	Ms. Prithi Nair	Completed
3	Sudhakar Jha	Survey of Involvement of caregivers in education of children	Dr. G. Malar	Completed

		with Hearing Impairment in Mysore.		
4	Sujeeth Kumar	Development of Grade Level Assessment Test in Mathematics for Grade V.	Dr. G. Malar	Completed
5	N.B. Devaraj	Comparative Study of Graphic – Oral and Conventional Method of Teaching Language.	Dr. G. Malar	Ongoing
6	Sharanaiah.M. M	Development of Grade Level Assessment Tool for Grade V in Kannada Language (GLAD-K) for children with hearing impairment.	Ms.PrithiNair	Ongoing
7	Subramanya. K	Development of Grade Level Assessment Test for V Standard science applicable for children with hearing impairment.	Dr. G. Malar	Ongoing

## C.Research Paper Publications/ Presentations

### C.1 International Conference Presentations

1. Anagha. D and Prema K. S. Preschool Curriculum for Children with Special Needs: A proposed framework. International symposium on 'World Education – Art, Science and Culture', New Delhi on 12 – 15<sup>th</sup> January, 2011.

### C.2 National Journal Publications

1. 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, V.29 (2).
2. 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, V. 29(2).
3. Sarika Khurana & Prema K.S. (2011). Emergent literacy experiences in the classroom: A sample survey in Mysore city. Languages in India. V.11.

### C.3 In-house Publications

The papers published in 'Student Research at AIISH, 2009-10, Volume VIII, Part C-Special Education are given below.

1. Dilip Kumar Dikshit & Vijetha. P. Development of Grade Level Assessment Test in English of Standard V for Children with Hearing Impairment.
2. Durgesh Kumar Mishra & Preethi Nair. Development of Informational Materials for Mainstream educators on Classroom Management of Children with Hearing Impairment & Studying its Efficacy.
3. Sudhakar Jha & Malar G. Involvement of Parents in Education of Children with Hearing Impairment.
4. Sujeeth Kumar & Malar G. Development of Grade Level Assessment Test in Mathematics for Standard V Mathematics: Applicable for Children with Hearing Impairment.

## **C.4 Books/Book Chapters**

1. Prema K.S & Shyamala K.C. (2010). Chapter titled Language processing in bilinguals and biliterates. In Special volume Cognitive initiatives. Published by DST, New Delhi.
2. 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 - A UNICEF project. Published by Books for Change publishers and National Trust, Bangalore.
3. 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 - A UNICEF project. Published by Books for Change publishers and National Trust, Bangalore.
4. 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 - A UNICEF project. Published by Books for Change publishers and National Trust, Bangalore.
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 Tamil. As a part of Production of Language Training Materials in ten major Indian Languages -A UNICEF project. Published by 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 Telugu. As a part of Production of Language Training Materials in ten major Indian Languages :A UNICEF Project. Published by Books for Change publishers and National Trust, Bangalore.

## **CLINICAL / SPECIAL EDUCATION SERVICES**

### **A. Specialized Clinical Services**

#### **A.1 Pre-School Services**

Educational-cum-clinical services are being provided to children with communication disorders belonging to various age groups at the pre-school of the department. The major programs conducted 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, 281 children with multiple disorders were grouped according to their disorders and group-wise training was provided. 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, by the department are given in table 44 and in figures 35 to 42.

Table 44: Educational-cum-Clinical Services.

Sl. No.	Nature of Service	No. of		No. of Sessions	Special Observations
		Groups	Clients		
<b>I. Services to children below 2 ½ years of age</b>					
1.	Parent Infant Programme – organised for very young children (below 2 ½ years of age) with communication disorders through individual sessions	---	35	131	PD for all children receiving services during the month was DSL with HL. And they were in the age range of 1.10 years to 1.5 years of age.
<b>II. Services to Preschool-aged (2 ½ years to 6 years) children</b>					
2.	Preschool Parent Empowerment Programme organised for children 2 ½ years and above awaiting admission to preschool	Kannada Flower & Colour (MR & Autism)	120	182	Training is carried out 1 session every day by caregivers under the supervision of special educators.
		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	
	<b>TOTAL</b>	<b>509</b>	<b>832</b>		
3.	Preschool Training for Children with Communication Disorders	Colour (Autism) - 05	28	2869	4 hrs of daily training, including 4 curricular & 1 co-curricular skills (of 45 min each).
		Flower (MR) - 15	76	8222	
		Fruit (HL) - 22	119	14050	
		<b>TOTAL - 43</b>	<b>223</b>	<b>25141</b>	
4.	Children with Multiple Special Needs receiving services at preschool:	HL with Autism	38	---	Curriculum, training methods and materials are individualised within their respective groups in order to cater to their unique nature of special needs
		HL with CP	16		
		HL with MR	29		
		MR with Autism	88		
		MR with CP	109		
		MR with VI	01		
<b>III. Services to school-aged children</b>					

7.	Placement Guidance Evaluation – for School-aged children	---	08	12	Following assessment of academic skills guidance is provided regarding nature and level of educational placement for children.
8.	Speech Language and Listening Therapy	Speech Language Therapy	900	2043	One hour of daily Speech & Language Therapy and twice a week Listening Therapy
		Listening Therapy	406	554	
9	Individualised Education Plan / Curricular Support Services – for School-aged children (in pairs or individually)  i. Curricular Support Services (CSS)				Supports provided in curricular areas like maths, science & socials for children with communication disorders attending / preparing to get admitted to school
		Kannada	104	847	
		Malayalam	16		
		Hindi	20		
		English	24		
	Telugu	15			
ii. Individualized Education Plan (IEP)	---	19	73		
10	Counselling & Guidance	Guidance for home training	13	42	Provided for caregivers of children with communication disorders
		All Services	33	105	
11	Co-Curricular Sessions	All Services	---	200	Physical Exercises/Yoga, Music & dance/Arts & Craft Work/Games & Play Activities/Drill Exercises

Figure 35: Enrollment for Parent Empowerment Programme.

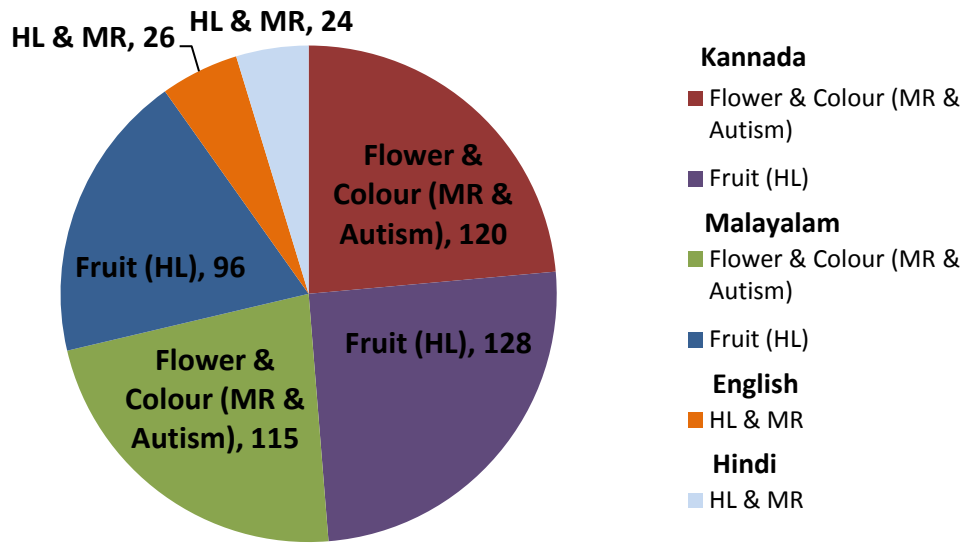


Figure 36: Sessions for Parent Empowerment Programme.

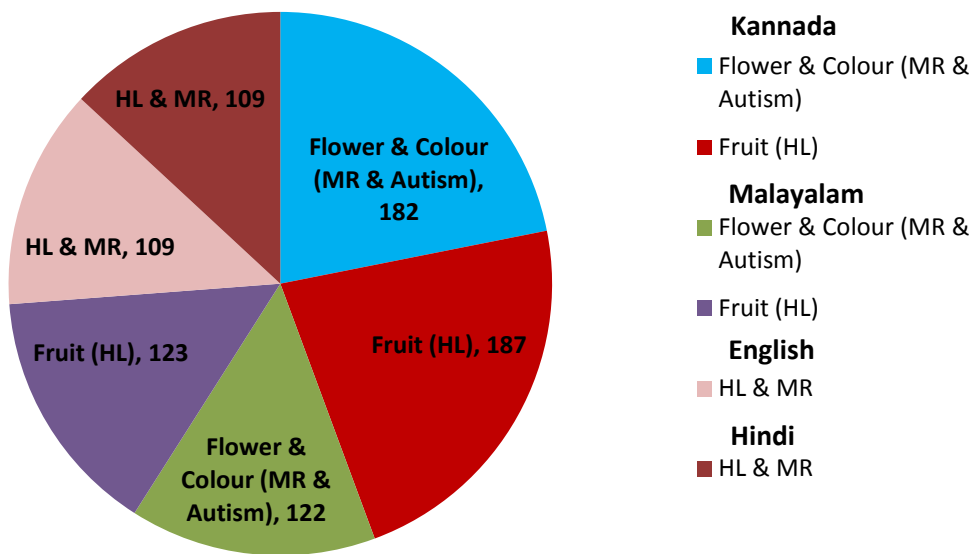


Figure 37: Enrollment for Preschool Training.

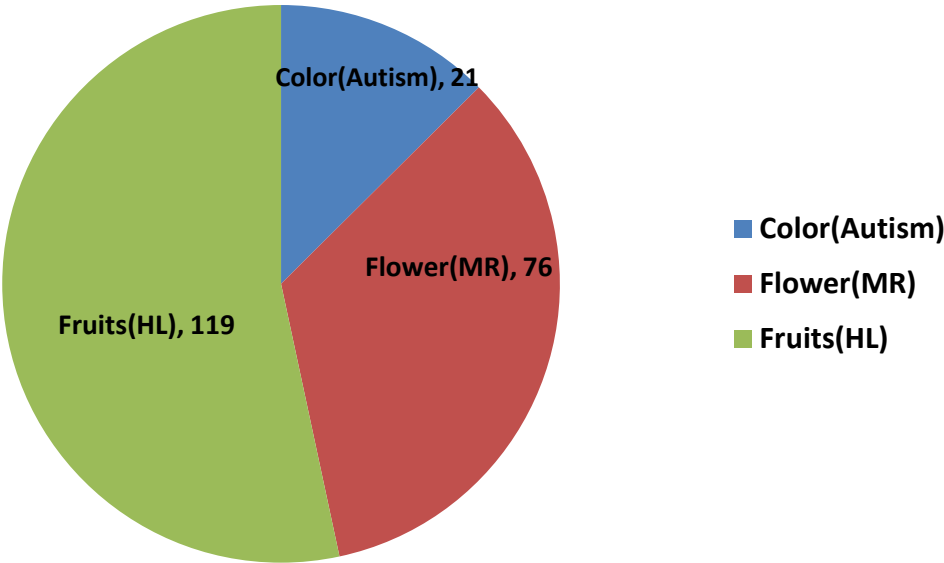


Figure 38: Sessions for Preschool Training for Children with Communication Disorders.

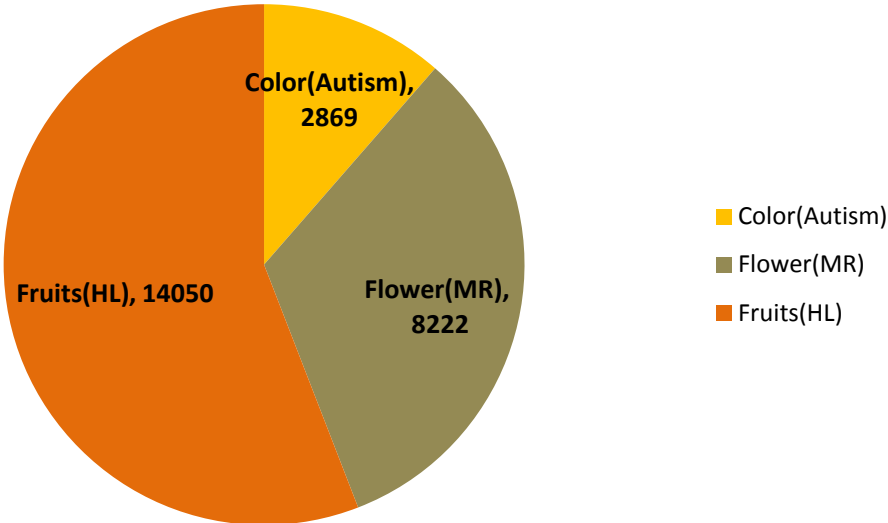




Figure 39: Enrollment for Speech Language and Listening Therapy.

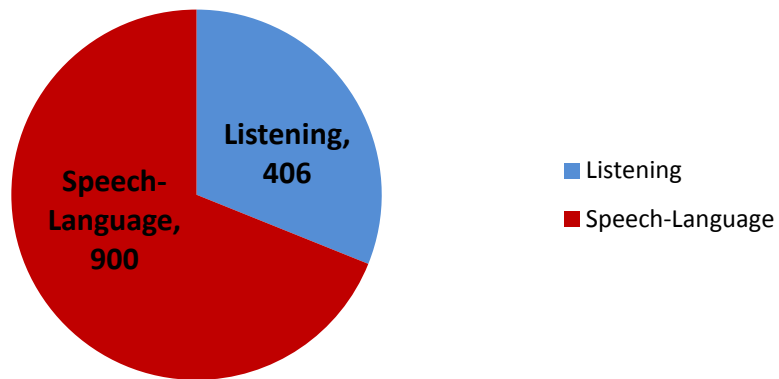


Figure 40: Speech Language and Listening Therapy Sessions.

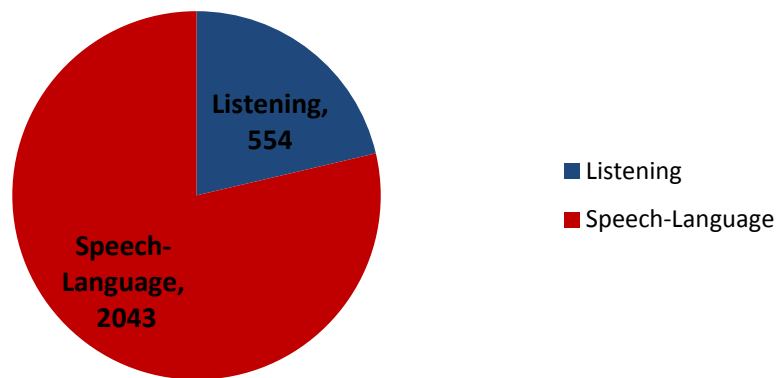


Figure 41: Children with Multiple Special Needs.

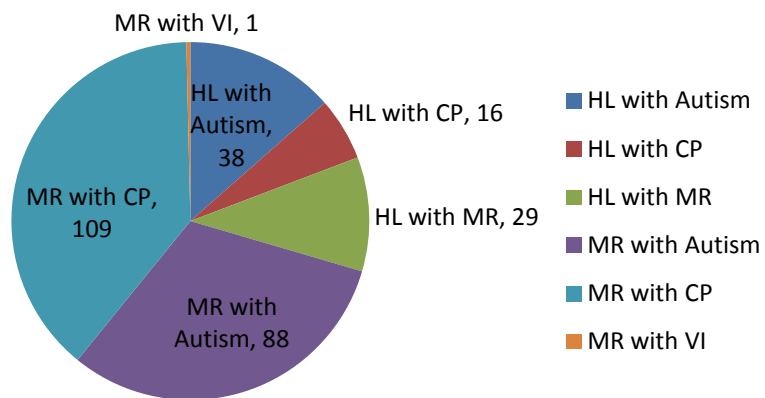
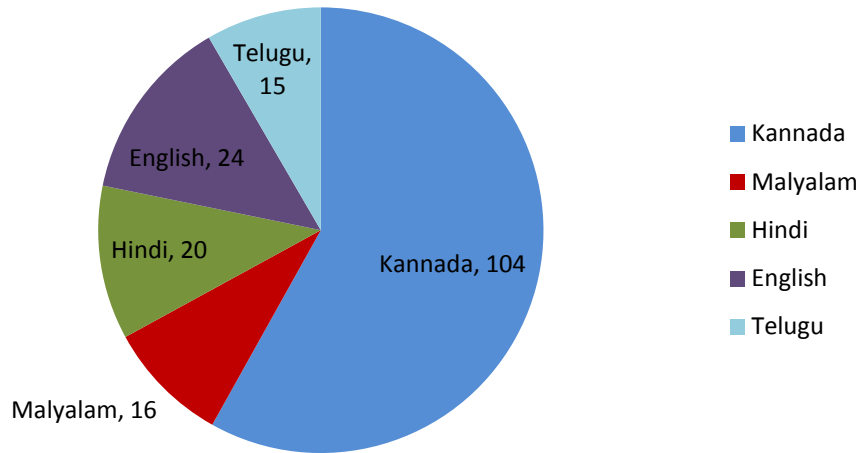


Figure 42: Curricular Support Services (CSS).



## A. 2 Library of Books and Toys (LiBoToy)

'LiBoToy' (Library of Books and Toys) is a new service started by the department for Children with Special Needs and their caregivers. The facility was formally launched by Sri.Keshav Desiraju, Additional Secretary, Ministry of Health and Family Welfare, Government of India, on 8 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 to the needs of children with communication disorders as well as typically developing children.

## FACULTY AND STAFF ENGAGEMENTS

### Dr. K.S.PREMA

#### Positions Held

- Head of the Department.
- Vice President, AIISH Gymkhana.
- Member , International Reading Association, USA.
- Life Member, Dravidian Linguistic Association.
- Life Member, Indian Speech and Hearing Association.
- Member, Editorial Board, JAIISH.
- Member, Editorial Board, IJOAL and LF Journals.
- Member, Fulbright State Alumni Association.
- Member, 'Women in Science'.
- Member, Internal Research Committee for evaluation of ARF project proposals.
- Member, ASD Unit.
- Member, LD Unit.
- Member, Committee on quasi-distance mode PG Program in speech language & hearing.
- Member, Committee for digital speech language and hearing encyclopedia.
- Member, ARF review committee.
- Reviewer , ARF Project report.
- Member, Ph.D colloquium committee.

- Reviewer, ISHA abstracts.
- Member , BOE (Speech and Hearing),University of Mysore.
- Member, Expert Committee for course and syllabus of PG Diploma in AAC.
- Member, BOS-PG (Education), University of Mysore.
- Member, Entrance Examination question paper setting/scrutiny committee.
- Member, Board of Appointment of Examiners (BOAE) (Sp. & Hg), University of Mysore.

### **Other Curricular and Extra-Curricular Engagements**

- Delivered lecture on 'Policy issues and educational accommodation for children with learning disability' at the Annual Principal Conference held at Atomic Energy Central School,Chennai on 20<sup>th</sup> October 2010.
- Delivered lecture on 'Prevention and Early Intervetnion for Learning Disabilities' at the institute during Sensitisation Programme for SSA IERTs on 23<sup>rd</sup> August 2010.
- Delivered lecture on 'Enhancement of communication skills for CWSN in inclusive set-up' at RCI-CRE program organized by Spastic Society of Karnataka, Bangalore on 10<sup>th</sup> March 2011.
- Delivered a Radio talk on bilingualism.
- Developed informational brochures on departmental activities.
- Compiled course structure and syllabus for 'certificate course in 'Special Education teacher Aides'.
- Coordinated the conduct of workshop on 'Management of children with multiple disabilities in inclusive and special set-up' on 16-03-2011.
- Coordinated the conduct of workshop on 'Importance of selection of medium of instruction after preschool training and curricular support through mother tongue' on 18-03-2011.
- Prepared Audio-video material for sensitizing teachers on emergent literacy.
- Edited of 5 manuals for ARF project of transcription.
- Served as a panel member in 'In-house faculty development workshop on pedagogy and evaluation methods' conducted by the Academic section, AllSH on 17-11-2010.
- Prepared Integrated M.Ed.(HI-AllSH Scheme) syllabus to BOS for approval and B.S.Ed. syllabus with CBCS pattern for BOS-UG (Education).
- Reviewed and remarked on 3 proposals submitted for Cognitive Science initiative.
- Reviewed and remarked on 2 proposals submitted for Ph. D as a member of Ph. D colloquium committee.
- Organized Guest Lecture on 28<sup>th</sup> February, 2011 by Dr. Suma P.Bhat, Post-doctoral researcher in the Beckman Institute at the University of Illinois.
- Served as a member of doctoral committee for pre-thesis colloquium of Ph.D students on 01-02-2011.
- Coordinated the conduct of workshop on Management of children with multiple disabilities in inclusive and special set-up on 16.3.2011.
- Participated in the 'National Meet of Rehabilitation Experts 2011' that was held at Chandigarh to discuss VISION 2020 on 24-25 March, 2011.
- Nominated as Chairperson, Scientific Committee for the National Symposium on exploring areas of research in cognitive science to be held on 30.6.2011 and 1.7.2011 – the meeting was held on 4.3.2011.
- Attended in-house training program on Neuroscan conducted by Mr. Vijaykumar Narne, Lecturer in Audiology at AllSH. on 03-06-2010.

## **Dr. G. MALAR**

### **Positions Held**

- Mentor for B.S.Ed. (HI).
- Member secretary, Decoration Committee for AllSH Annual Day Celebrations 2010.
- Mentor, DTY (DHH).

### **Other Curricular and Extra-Curricular Engagements**

- Delivered lecture on 'Proforma for Educational Screening of Children with Special Needs' at the institute during Sensitisation Programme for SSA IERTs.
- Delivered lecture on 'Teaching Methodology in Inclusive Education' and 'Peer Tutoring and Collaborative Teaching' at RCI-CRE program organized by Spastic Society of Karnataka, Bangalore on 1<sup>0th</sup> March 2011.
- Delivered lecture on 'Special educational needs of children with communication disorders' at the institute on 19<sup>th</sup> April 2010.
- Delivered public lecture on 'Inclusive Education for Children with Hearing Impairment' on 26.06.2010.
- Compiled M.S.Ed. (HI) syllabus following the Credit-Based Choice System (CBCS).
- Chaired session on 'Disability Legislations - Process of Change' on 04.07.10 in the First Regional Parents' Meet jointly organised by Mysore District Parents Association for Empowering the Developmentally Disabled, *Parivaar* – India and NIMH, Secunderabad in Mysore on 03 & 04.08.10.
- Compiled articles for 'Student Research at AllSH, Volume VIII- 2009-10: Part C Special Education'.

## **Ms. PRITHI NAIR**

### **Positions Held**

- Chief Superintendent, B.Sc. Speech&Hearing Entrance Examination,2010 at Mumbai.
- Member, Catering Committee for AllSH Annual Day Celebrations,2010.
- Mentor , DTYHI, B.S.Ed (HI) and M.S.Ed (HI) courses.

### **Other Curricular and Extra-Curricular Engagements**

- Delivered lecture on 'Proforma for Educational Screening of Children with Special Needs' at the institute during Sensitisation Programme for SSA IERTs on 7<sup>th</sup> June 2010.

## **Ms. VIJETHA P**

### **Positions Held**

- Member, Decoration Committee of Annual Day Celebrations.
- Mentor, M.S.Ed. (HI) students.

## **Ms. ANAGHA A.D**

### **Other Curricular and Extra-Curricular Engagements**

- Oriented B.S.Ed, M.S.Ed and regular B.Ed trainees during the workshop 'Management of Children with Multiple Disabilities in Inclusive and Special Setup'.

**Ms. SHOBHA N.ODUNAVAR**

**Other Curricular and Extra-Curricular Engagements**

- Co-ordinated to exhibit the departmental activities in Manasa2011 exhibition.
- Served as resource person in the workshop held on 18th March 2011.

**Ms. RAMANAKUMARI. P.V**

**Positions Held**

- Member, Finance Committee for AIISH Annual Day Celebrations on 09.08.10.
- In-charge, LIBOTOY.

**Other Curricular and Extra-Curricular Engagements**

- Visited Imphal RIMS Center for inspecting infant screening programme.
- Coordinated and organised New Year and Christmas celebrations.
- Assisted in developing departmental brochures and LIBOTOY brochure.
- Developed material for computer manual for caregivers.
- Monitored Departmental exhibition at Suvana Manasa -2011.
- Organized special events for mentally challenged children on Open day celebrations.
- Developed 10 sets of different types of lexical categories Flash Cards in coordination to DMD.

**Mr. C.B. SURESH**

**Positions Held**

- Member, Publicity Committee of Annual Day Celebrations.
- Secretary, AIISH Gymkhana.

**Other Curricular and Extra-Curricular Engagements**

- Assisted in developing promotional materials of Special Education Courses in Malayam.

**Ms. ANJANA**

**Positions Held**

- Assistant warden, AIISH ladies hostel.

**Other Curricular and Extra-Curricular Engagements**

- Co-orientated Ramzan festival celebration along with Ms.Raziabi and Ms. Ashakiran.
- Organised Parent empowerment programme on 'Early intervention and Integration to Main stream' on 14.03.2011.
- Co-orientated international day for persons with disability along with Mr. Harish and Ms.Leena.
- Served as in charge for early intervention at the Department of Special Education along with Ms.Kadambari and Ms.Prithi Nair.

**Ms. KUMUDHA. R****Positions Held**

- Member of cultural Committee for AIISH Annual Day Celebrations on 09.08.10.

**Other Curricular and Extra-Curricular Engagements**

- Attended orientation on curriculum checklist by Dr.Swapna on 08.09.2011.
- Attended orientation on cued speech by Ms. Priyashri on 11.11.2010.
- Attended orientation on FM System by Mr.Praveen on 04.11.2010.

**Ms. SUMANA H. P.****Other Curricular and Extra-Curricular Engagements**

- Monitored Departmental activities at Mysore university “Swarna Manasa -2011” Program.
- Attended workshops on ‘Management of children with disabilities’ and ‘Importance of selection of medium of instruction for school and CSS’.

**Mr. HARISH KUMAR****Other Curricular and Extra-Curricular Engagements**

- Co-ordinated world disable day programme with Ms.Anjana and Ms.Leena.
- Attended orientation programme of Ms.Swapana regarding 66 new curricular module and administration of checklist.
- Attended orientation regarding FM System by Ms. Praveen.

**Ms. KADAMBARI. A.N****Other Curricular and Extra-Curricular Engagements**

- Attended orientation on “New curricular module and administration of checklist by Dr.Swapna.
- Attended orientation on FM system by Mr.Pravin.
- Attended orientation on CUED speech.
- Attended workshops on “Management of children with disabilities” and “importance of selection of medium of instruction for school and CSS.”
- Supervised computer training programme along with Mr.Sandesh.

**Ms. VIJAYALAKSHMI. S****Other Curricular and Extra-Curricular Engagements**

- Assisted in translating departmental informational brochures into Kannada.
- Translated computer book to kannada.
- Served as resource person in parent enrichment programme on the topic ‘ Benefits and facilities by government for CWSN’.

## **Ms. LEENA. C.C**

### **Positions Held**

- Member, cultural Committee for AIISH Annual Day Celebrations,2010.

### **Other Curricular and Extra-Curricular Engagements**

- Assisted in translation of departmental informational brochures into Kannada.
- Coordinated Ramzan celebrations at the Department.
- Co-orientated in the “International day of persons with disabilities” on 03.12.2010.
- Organized workshop on 16.03.2011, Topic- Management of children with multiple disabilities in inclusive & Special set up.
- Attended orientation on curriculum checklist by Dr.Swapna on 08.09.2011.
- Attended orientation on “New curriculum module & administration of checklist by Dr. Swapna.N.
- Attended orientation on cued speech by Ms. Priyashri on 11.11.2010.
- Attended orientation on FM System by Mr.Praveen on 04.11.2010.
- Attended workshop on ‘Importance of selection of medium while mainstreaming and curricular support services’.

## **Ms. KALYANI J.**

### **Other Curricular and Extra-Curricular Engagements**

- Coordinated Deepavali celebrations as 4<sup>th</sup> November 2010 along with Ms. Shobha and Ms. Manjula.
- Attended orientation on cued speech by Ms. Priyashri on 11.11.2010.
- Attended orientation on FM System by Mr.Praveen on 04.11.2010.
- Attended workshops on “Management of children with disabilities” and “Importance of selection of medium of instruction for school and CSS.”

## **Ms. ASHA KIRAN. E.G**

### **Positions Held**

- Member, Cultural Committee for AIISH Annual Day Celebrations, 2010.

### **Other Curricular and Extra-Curricular Engagements**

- Coordinated Ramzan celebrations at the Department.
- Attended orientation on curriculum checklist by Dr.Swapna on 08.09.2010.
- Coordinated Preschool Parent Enrichment Programmed (PPEP) services.
- Monitored Departmental activities at Mysore university “Swarna Manasa -2011” Program.
- Coordinated and translated with Mr. Suresh PEP ‘Education of children with emotional disturbances’.
- Coordinated and translated with Ms.Kalyani PEP ‘Behaviour Modification’.
- Coordinated and translated with Ms.Kadambari PEP ‘Optimizing level of arousal and Motor skill progression.’

- Coordinated and translated with Ms. Rasia PEP on 'Optimizing level of arousal and Motor skill progression'.

**Ms. SHOBHA B. N.**

**Positions Held**

- Member, Cultural Committee for AIISH Annual Day Celebrations,2010.

**Other Curricular and Extra-Curricular Engagements**

- Assisted in translating departmental informational brochures into Kannada.
- Oriented Preschool caregivers on 'Importance of cognitive skill to pre-school children' as part of Parent Empowerment Program.
- Monitored Departmental activities at Mysore university "Swarna Manasa -2011" Program.

**Ms. MANJULA. P.V**

**Positions Held**

- In charge of LiBoToy.
- Member, Cuhoo-Cuhoo, the institute news magazine.

**Other Curricular and Extra-Curricular Engagements**

- Attended International Conference & Workshop organised by Madhuram Narayanam Center, Chennai on 24-27 November 2010.
- Provided game demonstration sessions to DTYHI B.S.Ed (HI) DHLS D.Ed trainees and Dutch Speech and Language trainees.
- Monitored Departmental Exhibition at Suvarna Manasa 2011 on 23.02.2011.
- Serving as published under Gymkhana from September 2010 to till date.
- Coordinated and assisted in developing Departmental brochures on June 2010.
- Developed 10 sets of different types of lexical categories Flash Cards for LiBoToy.

**Ms. RAJANI SONI**

**Positions Held**

- Member, Cultural Committee for institute Annual Day Celebrations, 2010.
- In-charge, Co-curricular activities for preschoolers.

**Other Curricular and Extra-Curricular Engagements**

- Attended orientation on cued speech by Ms. Priyashri on 11.11.2010.
- Attended orientation on FM System by Mr.Praveen on 04.11.2010.
- Attended workshop on the 'Importance of selection of medium while mainstreaming and curricular support services' on 18.03.2011.
- Attended orientation on curriculum checklist by Dr.Swapna on 08.09.2011.
- Attended orientation on 'New curriculum module & administration of checklist' by Dr. Swapna.N on 12.10.2010.



**Ms. LATHA C**

**Positions Held**

- Member, Cultural Committee for the institute Annual Day,2010.

**Other Curricular and Extra-Curricular Engagements**

- Assisted in translating departmental informational brochures into Kannada.
- Monitored Departmental activities at Mysore university “Swarna Manasa -2011” Program.

**Ms. RASIABI. N**

**Positions Held**

- Member, Cultural Committee for Cultural Committee for the institute Annual Day,2010.
- Assisted in developing promotional materials of special Education Courses in Malayalam.
- Given Malayalam Translation on PEP: (i)Benefits and facilities given by the Government Children with special needs presented by Ms. Vijayalakshmi (ii) Importance of pre writing presented by Ms. Kumudha (iii)Food and nutrition for young children presented by Ms.Asha (iv) Importance of Preschool education for children with disabilities by Ms.Leena.

**Ms. ROOPA. N**

**Positions Held**

- Incharge of Office Maintenance.

**Mr. SANDESH. S.C**

**Other Curricular and Extra-Curricular Engagements**

- Compiled videos and photos gallery of Preschool programme.
- Compiled CSS and Preschool Database.

**DEPARTMENT OF SPEECH-LANGUAGE PATHOLOGY**

**Profile**

Speech-language Pathology is one of the two major branches in Speech and Hearing. The department of Speech-language Pathology is routinely involved in development of manpower resources at the diploma, undergraduate, graduate, doctoral and post-doctoral level, conducting research pertaining to the area and evaluation, diagnosis, counseling and management of various speech and language disorders.

## ACADEMIC ACTIVITIES

### A. Guest lectures

The department organized four guest lectures during previous year. The details are given in table 45.

Sl. No	Resource Person	Topic	Date
1	Ms. Rajashree Sreerangarajan, Senior SLP, HOD speech pathology, Palo Aleo, California.	Pragmatic intervention-Application in ASD.	12.8.10
2	Ms. Jyothi Murthy, Speech-Language Pathologist and Coordinator of Speech Language Services, TIEE, California.	Preparing young children with ASD to learn language.	12.8.10
3	Dr. Giri Hegde Prof. Emeritus of Speech Language Pathology, California State University, Fresno, USA.	Clinical research methods in communication disorders and on professional writing.	11.12.10
4	Mr. Milind Sonawane , Speech language therapist, Ireland.	Assesment and intervention of ASD for caregivers.	30.12.10

### B.Short-term Training Programs

The department conducted 8 short-term training programs during the reporting year. The details are given below.

1	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>Number of Participants</b> <b>Date</b>	Communication disorders: An overview. Speech disorders and their assessment and management. To orient regarding different communication disorders and their rehabilitation. Shama.R.Chilakwad, student, Presentation secondary school, Miltown country, Kerry, Ireland. 1. 9 June 2010.
2	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>Number of Participants</b> <b>Date</b>	Introduction to communication, language and speech disorders. To sensitize about early identification and intervention of communication disorders. Masters in Dental sciences,Coorge institute of Dental Sciences, Virajpet. 2. 14 June 2010.
3	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>Number of Participants</b> <b>Date</b>	Introduction to speech and language disorders. To give orientation and training regarding speech and language disorders. Postgraduate students, Dept of pedodontics, Coorg Institute of Dental Sciences, Virajpet. 7. 8 and 29 July 2010.

4	<b>Topic Objectives</b>	Introduction to Communication, language and speech disorders. To sensitize about early identification and intervention of communication disorders.
	<b>Target Audience</b>	Intern, University of Applied Sciences, Utrecht, N.Lands
	<b>Number of Participants</b>	2.
	<b>Date</b>	10 August 2010.
5	<b>Topic Objectives</b>	Speech and language disorders. To give orientation and training regarding speech and language disorders.
	<b>Target Audience</b>	Postgraduate students, KIMS, Hubli.
	<b>Number of Participants</b>	1.
	<b>Date</b>	21 October 2010.
6	<b>Topic Objectives</b>	Speech and language disorders: Assessment and management. To give orientation and training regarding speech and language disorders and management of the same.
	<b>Target Audience</b>	Postgraduate students, KIMS, Hubli.
	<b>Number of Participants</b>	2.
	<b>Date</b>	23 December 2010.
7	<b>Topic Objectives</b>	Introduction to Communication, Language and Speech disorders. To sensitize about early identification and intervention of communication disorders.
	<b>Target Audience</b>	Post Graduation in Dental sciences.
	<b>Number of Participants</b>	3.
	<b>Date</b>	10 January 2011.
8	<b>Topic Objectives</b>	Speech and language disorders: Assessment and management. To give orientation and training regarding speech and language disorders and management of the same.
	<b>Target Audience</b>	Postgraduate students, Coorg Institute of Dental Sciences.
	<b>Number of Participants</b>	4.
	<b>Date</b>	3 February 2011.

### C. In-house Training Programs

The department also conducted five in-house training programs, the details of which are given below.

1	<b>Coordinator(s)</b>	Dr. R. Manjula & Dr. N.Swapna.
	<b>Theme</b>	Training to use Digital Swallow workstation
	<b>Objectives</b>	Operation, recording and analysis of data using Digital Swallowing Workstation.
	<b>Target Audience</b>	Faculty, staff, research fellows from from different departments of AIISH.
	<b>No. of Participants</b>	45.
	<b>Date</b>	11 October 2010 & 2 November 2010.
2	<b>Coordinator(s)</b>	Dr. Swapna & Ms. Shylaja.
	<b>Theme</b>	To orient about the tests of Nonword repetition available in the Department of Speech-Language Pathology functioning.
	<b>Objectives</b>	Tests of Nonword repetition.
	<b>Target Audience</b>	Staff from different Departments of the Institute.

<b>No. of Participants</b>	35.
<b>Date</b>	18 November 2010.
<b>3 Coordinator(s)</b>	Dr. Jayashree.C.Shanbal.
<b>Theme</b>	Inhouse training program on Dyslexia Screening Test.
<b>Objectives</b>	Administration and clinical implication of Dyslexia Screening Test.
<b>Target Audience</b>	SLPs, Audiologists, Clinical Psychologists, Special Educators.
<b>No. of Participants</b>	25.
<b>Date</b>	9 November 2010.
<b>4 Coordinator(s)</b>	Dr.Vandana.V.P.
<b>Theme</b>	Cognitive Linguistic Quick Test by Nancy Helm Estabrooks.
<b>Objectives</b>	Orientation about the test.
<b>Target Audience</b>	Speech Language Pathologists.
<b>No. of Participants</b>	14.
<b>Date</b>	26 October 2010.
<b>5 Coordinator(s)</b>	Mr. P. Gopi Kishore & Ms. Sripallavi.
<b>Theme</b>	Phonological Abilities Test and Test Of Word Knowledge (TOWK).
<b>Objectives</b>	To create awareness about the test and its administration procedure and interpretation.
<b>Target Audience</b>	Professionals from various departments.
<b>No. of Participants</b>	24.
<b>Date</b>	3 December 2010.

#### **D. Seminars/Conferences/Workshops**

The department conducted five seminars/conferences/workshops during previous year and the details are given below.

<b>1 Coordinator(s)</b>	Dr. M. Pushpavathi
<b>Theme</b>	Clinical research methods in communication disorders by Prof.Giri Hegde.
<b>Objectives</b>	To provide insight on the different research methodology applied in the field of communication disorders.
<b>Target Audience</b>	II M.sc ( SLP ), II M.Sc ( aud ), faculty, JRF.
<b>No. of participants</b>	80 .
<b>Date</b>	7 December 2010.
<b>2 Coordinator(s)</b>	Dr. M. Pushpavathi.
<b>Theme</b>	Scientific report writing.
<b>Objectives</b>	To provide guidelines on the framework of statement of the research, writing method and reporting the research findings by Prof.Giri Hegde.
<b>Target Audience</b>	Faculty, JRF.
<b>No. of participants</b>	30.
<b>Date</b>	11 December 2010.
<b>3 Coordinator(s)</b>	Dr. M. Pushpavathi.
<b>Theme</b>	Pragmatic skills and its application in ASD on 10.9.2010 by Mrs. Rajashree Sreerangarajan .

<b>Objectives</b>	To orient on different activities to enhance pragmatic skills in children with ASD.
<b>Target Audience</b>	I MSc (SLP) and III BSc students and parents.
<b>No. of participants</b>	80.
<b>Date</b>	12 August 2010.
<b>4</b>	
<b>Coordinator(s)</b>	Dr. N.Swapna and Dr. Pushpavathi.
<b>Theme</b>	Preparing young children with autism spectrum disorder to learn language.
<b>Objectives</b>	To orient regarding activities to be carried out in young children with autism to learn language.
<b>Target Audience</b>	I MSc (SLP) and III BSc students and parents.
<b>No. of participants</b>	80.
<b>Date</b>	12 August 2010.
<b>5</b>	
<b>Coordinator</b>	Ms. Jayashree.C.Shanbal.
<b>Theme</b>	Workshop on Assessment & Intervention of ASD for Caregivers by Mr. Milind Sonawane
<b>Objectives</b>	To orient the SLP and caregivers on the principle of different methods of therapeutic intervention method for children with ADHD.
<b>Target Audience</b>	Caregivers and Speech Language Pathologists.
<b>No. of participants</b>	60.
<b>Date</b>	30 December 2010.

## RESEARCH ACTIVITIES

### A. Funded Research Projects

#### A.1 Projects with Extramural Funding

<b>1</b>	
<b>Title</b>	Language and Brain organization in Normative Multilingualism.
<b>Objectives</b>	To investigate code switching between languages among bilinguals and among multilinguals. Language proficiency and Code switching would be examined separately in bilinguals and in multilinguals.
<b>Investigator(s)</b>	Dr. Shyamala. K.C.
<b>Funding Agency</b>	Department of Science and Technology (DST).
<b>Amount</b>	₹12, 84,000.
<b>Status</b>	Ongoing.
<b>Achievements in 2010-11</b>	Developed language proficiency questionnaire.Data collected for 20-40 years bilinguals and multilingual.Data collection is going on for 41-69 years bilingual/multilingual. Analysis for 20-40 years age group and writing review of literature is in progress.

#### A.2 Projects with ARF Funding

<b>1</b>	
<b>Title</b>	Effect of Palatal Obturator on Speech.
<b>Objectives</b>	To analyze the speech characteristics with respect to acoustical and perceptual aspects before and after providing different types of speech appliances to clients with repaired/unrepaired maxillofacial anomalies.

	<b>Investigator(s)</b>	Dr. M. Pushpavathi, Dr. N. Sreedevi, Dr. Dakshayini.M.
	<b>Amount</b>	₹4,98,000.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	The documentation of three different cases (an adult with unrepaired cleft, an adult sub mucous cleft and a child with repaired cleft) with respect to audio visual recording of prosthesis preparation and speech analysis is completed.
<b>2</b>	<b>Title</b>	Audio Visual resource manual on Voice Disorders.
	<b>Objectives</b>	This project aims to compile the audio visual data bank of different cases with voice disorders and provide clinical insight on the assessment and management of cases with voice disorders.
	<b>Investigator(s)</b>	Dr. M. Pushpavathi, Dr. Jayanthi Ray, Dr. Sundarraj.H, Mr. Gopi Sankar and Dr. Girish Kulkarni.
	<b>Amount</b>	₹ 4,98,000.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	The assessment tools with respect to case history and other details have been compiled. Video script for instrumentation and case history is prepared. Three different cases of voice disorders are completely recorded from the assessment to the rehabilitation.
<b>3</b>	<b>Title</b>	Speech characteristics in children with oral cleft – Pre and post surgery a Longitudinal study.
	<b>Objectives</b>	The project is aimed to analyse the speech characteristics (articulatory, resonatory and speech intelligibility) in different cases with cleft palate before and after surgery.
	<b>Investigator(s)</b>	Dr. M. Pushpavathi, Dr. Sathish.H, Mr. Gopi Sankar.
	<b>Amount</b>	₹ 4,98,000.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Public education material on rehabilitation of cleft lip and palate in Kannada is prepared. The assessment checklist for toddlers with cleft palate is compiled.
<b>4</b>	<b>Title</b>	Speech Characterstics in children with oral cleft – Pre and post surgery a Longitudinal study in Malayalam.
	<b>Objectives</b>	The project is aimed to analyse the speech characteristics (articulatory, resonatory and speech intelligibility) in different cases with cleft palate before and after surgery.
	<b>Investigator(s)</b>	Dr. M. Pushpavathi, Dr. Sherry Peters, Dr. Subramani Iyer.
	<b>Amount</b>	₹ 4,98,000.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Material for nasometer assessment has been compiled and review of articles have been done.
<b>5</b>	<b>Title</b>	Speech Characterstics in children with oral cleft – Pre and post surgery a Longitudinal study in Telugu.
	<b>Objectives</b>	The project is aimed to analyse the speech characteristics (articulatory, resonatory and speech intelligibility) in different cases with cleft palate before and after surgery.
	<b>Investigator(s)</b>	Dr. M. Pushpavathi, Dr. Srinivas Ghosla Reddy, Dr. Swati Ravindran.
	<b>Amount</b>	₹ 4,98,000.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Memorandum of understanding between the Hospitals has been signed. Material for nasometer assessment has been compiled and review of articles have been done.

6	<b>Title</b> <b>Objectives</b>  <b>Investigator(s)</b>  <b>Amount</b> <b>Status</b> <b>Achievements in 2010-11</b>	<p>Early intervention module for parents of children with cleft lip and palate in Kannada &amp; English (Phase I).</p> <p>This project is focused on developing early intervention module for children (below 3 years) with cleft palate and to provide training for parents to work on improving speech intelligibility, articulation.</p> <p>Dr. M. Pushpavathi, Dr. Sathish V.H, Mr. Gopi Kishore, Mr. Gopisankar.</p> <p>₹ 6,07,000/.</p> <p>Ongoing.</p> <p>The video recording on improving auditory discrimination, articulation and improving resonance and speech intelligibility in children with CLP has been done and the same is in use to provide training for the parents.</p>
7	<b>Title</b>  <b>Objectives</b> <b>Investigator(s)</b> <b>Amount</b> <b>Status</b> <b>Achievements in 2010-11</b>	<p>Development and Standardization of Boston Naming Test in bilinguals (Kannada - English and Telugu – English).</p> <p>To develop the Boston Naming Test in Different Languages.</p> <p>Dr. Shyamala. K.C.</p> <p>₹ 4,06,000.00.</p> <p>Completed .</p> <p>The Boston Naming Test (BNT) has not been standardized in any of the Indian languages. Hence a first step toward accurate interpretation of naming performance of Indian clinical populations was to develop BNT in Kannada and Telugu and obtain normative data on healthy adults who are proficient in Kannada and Telugu languages. Both goals were accomplished.</p>
8	<b>Title</b> <b>Objectives</b> <b>Investigator(s)</b> <b>Amount</b> <b>Status</b> <b>Achievements in 2010-11</b>	<p>Cognitive linguistic deficits in Aphasia.</p> <p>To investigate cognitive linguistic deficits in Individuals with aphasia.</p> <p>Dr. Shyamala. K.C.</p> <p>₹ 2,62,000.00.</p> <p>Completed.</p> <p>20 normal healthy adult individuals and 20 matched right handed individuals with aphasia following left hemisphere damage are assessed for various cognitive domains using Western aphasia Battery (WAB), Addenbrooke's cognitive Examination-revised (ACE-R) and Cognitive Linguistic Assessment protocol for adults (CLAP) as a part of cognitive linguistic assessment protocol. The subjects were analyzed for various cognitive linguistic deficits present. The results revealed that individuals with Aphasia showed deficits in most of the cognitive domains with decreasing order of affected cognitive skills with decrease in the severity.</p>
9	<b>Title</b> <b>Objectives</b>   <b>Investigator(s)</b> <b>Amount</b>	<p>Genotyping and a Genetic association study in Autism.</p> <p>To investigate the genotyping and genetic association in children with autism as the number and role of genes playing in Autism are still not clear.</p> <p>Dr. Shyamala. K.C.</p> <p>₹ 5,72,000.00.</p>

	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Data collection in progress. Review of literature completed. Blood samples collected for 140 patients including 50 Autistic cases, parents & siblings DNA extraction is done with 120 samples and stored in 80 C Primer designed for 5 SNPs which are selected for Genotyping.
10	<b>Title</b>	Language performance of Kannada – English (K-E) bilingual individuals with Dementia.
	<b>Objectives</b>	To develop & establish preliminary normative data if Dementia Assessment Battery in Kannada & English and to compare the Language performance on Kannada-English bilingual speakers with dementia.
	<b>Investigator(s)</b>	Dr. Shyamala. K.C.
	<b>Amount</b>	₹ 5,92,000.00.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Introduction and review completed. Data collection of 4 geriatrics and 29 adults completed.
11	<b>Title</b>	Development and standardization of Noun Verb picture Battery in Kannada and Malayalam.
	<b>Objectives</b>	To provide a resource for the clinical practice in speech language pathology and also for the research in aphasiology, neuro- and psycholinguistic disciplines.
	<b>Investigator(s)</b>	Mr. Gopee Krishnan, Mrs. Shivani Tiwari, Dr. Rajashekar. B, Dr. Shyamala. K.C.
	<b>Amount</b>	₹ 5,92,000.00.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Review and data collection completed. Analysis is in progress.
12	<b>Title</b>	Reading Acquisition in children learning two distinct orthographies Malayalam and English.
	<b>Objectives</b>	To investigate reading acquisition in children learning to read two distinct orthographies, Malayalam and English simultaneously.
	<b>Investigator(s)</b>	Mrs. Shivani Tiwari, Dr. Shyamala. K.C, Dr. Rajashekar. B, Mr. Gopee Krishnan.
	<b>Amount</b>	₹ 3,16,000.00.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Review & Data collection completed. Analysis is in progress.
13	<b>Title</b>	Standardization of Western Aphasia Battery (WAB) in Telugu Monolinguals and Telugu –English (T-E) Bilinguals.
	<b>Objectives</b>	To standardize WAB in Telugu language.
	<b>Investigator(s)</b>	Dr. Shyamala. K.C.
	<b>Amount</b>	₹ 3,16,000.00.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Data collection is partially completed and analysis on Telugu mono and bilingual (Telugu-English) is going on. BAT is also being administered for comparison purposes.
14	<b>Title</b>	Comparison of muscle potentials of synergistic and antagonistic



	<b>Objectives</b>	primary masticatory muscles as a function of age and task. To analyze and compare the muscle potentials of synergistic and antagonistic primary masticatory muscles in three groups of participants (children, adults and geriatric) and two tasks (non speech and speech) using EMG module of the Digital Swallow workstation.
	<b>Investigator(s)</b>	Dr. R. Manjula & Dr. N. Swapna.
	<b>Amount</b>	₹ 2.57 lakhs.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Data collection and analysis is in progress .Statistical analysis and reporting to be completed.
15	<b>Title</b>	Development and field testing of low cost supportive and mobility aids appliances for persons with physical disability – Phase I.
	<b>Objectives</b>	To analyze and compare the muscle potentials of synergistic and antagonistic primary masticatory muscles in three groups of participants (children, adults and geriatric) and two tasks (non speech and speech) using EMG module of the Digital Swallow workstation.
	<b>Investigator(s)</b>	Dr. R. Manjula,Mr. Siddesh, N.S., Harish Pai, K.,Mr. Jayakaran.
	<b>Amount</b>	₹ 2,28,350 lakhs.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Preparation of prototype aids is completed and report writing is in progress.
16	<b>Title</b>	A study of motor control in persons with mild and severe stuttering under conditions of motor stress.
	<b>Objectives</b>	To analyze and compare the articulatory patterns for bilabial utterances of persons with stuttering and control normal subjects using Articulograph AG 500.
	<b>Investigator(s)</b>	Dr. R. Manjula & Dr. H. Venkatagiri.
	<b>Amount</b>	₹ 6,02,000 lakhs.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Data collection and analysis is in progress.
17	<b>Title</b>	Development of a “Key word signing” manual in English for Indian context.
	<b>Objectives</b>	To develop a “Key word signing” manual standardized for the Indian population.
	<b>Investigator(s)</b>	Dr. H. Venkatagiri & Dr. R. Manjula.
	<b>Amount</b>	₹ 3,70,000 lakhs.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Data collection and analysis is in progress.
18	<b>Title</b>	Process evaluation and comparison of the modules of Outreach Service centre’s as a factor of type of volunteers engaged in the activity.
	<b>Objectives</b>	To compare the feasibility and viability of training women homemakers ( volunteers) and ASHA workers in prevention and identification of communication disorders in the geographical location of three outreach service centres.
	<b>Investigator(s)</b>	Dr. Vijayalakshmi Basavaraj, Dr. R. Manjula &Dr. Sudharshan.
	<b>Amount</b>	₹ 6,62,000 lakhs.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Data collection and analysis is in progress.

19	<b>Title</b> <b>Objectives</b> <b>Investigator(s)</b> <b>Amount</b> <b>Status</b> <b>Achievements in 2010-11</b>	Screening Test for acquisition of Syntax in Hindi : An Adaption of STASK. To develop Screening Test for acquisition of Syntax in Hindi. Dr.VijayalakshmiBasavaraj,Dr.S.P.Goswami,Brajesh Priyadarshi . ₹ 4.57 lakhs. Completed. Report writing in progress.
20	<b>Title</b> <b>Objectives</b> <b>Investigator(s)</b> <b>Amount</b> <b>Status</b> <b>Achievements in 2010-11</b>	Computerized Screening Test for acquisition of Syntax in Hindi (STASH): An Adaption of STASK. To develop a module on Computerized Screening Test for acquisition of Syntax in Hindi (STASH). Mr. Ajish K. Abraham , Dr. Vijayalakshmi Basavaraj, Dr. S.P.Goswami, Brajesh Priyadarshi. ₹ 5.80 lakhs. Ongoing. Software modalities has been developed.
21	<b>Title</b> <b>Objectives</b> <b>Investigator(s)</b> <b>Amount</b> <b>Status</b> <b>Achievements in 2010-11</b>	Assessment Battery for Children with Learning Disability (ABCLLD)-Phase II. To develop an assessment battery for children with learning disability. Dr. Jayashree. C. Shanbal and Dr. S.P. Goswami. ₹ 5.77 lakhs. Ongoing. Test material was developed with the help of SLPs. Schools were surveyed for data collection. The material was administered on a pilot data. The final test material was finalized. The test material was administered on participants from different schools in Mysore. Data coding and analysis is in progress.
22	<b>Title</b> <b>Objectives</b> <b>Investigator(s)</b> <b>Amount</b> <b>Status</b> <b>Achievements in 2010-11</b>	Assessment Battery for Children with Learning Disability (ABCLD)-Phase I. To develop an screening tool for children with learning disability Dr. Jayashree. C. Shanbal and Dr. S.P. Goswami. ₹ 5.71 lakhs. Ongoing. Test material was developed with the help of SLPs. Schools were surveyed for data collection. The material was administered on a pilot data. The final test material was finalized. The test material was administered on participants from different schools in Mysore. Data coding and analysis was done. The report was prepared and submitted for reviewing. The report was reviewed with corrections.
23	<b>Title</b> <b>Objectives</b> <b>Investigator(s)</b> <b>Amount</b> <b>Status</b> <b>Achievements in 2010-11</b>	Field Testing of Manual of Adult Non- Fluent Therapy-in Kannada. To field test Manual of Adult Non- Fluent Therapy-in Kannada Dr. S.P. Goswami and Dr. Jayashree C. Shanbal. ₹ 5.71 lakhs. Completed. Manual of Adult Non- Fluent Therapy-in Kannada was field tested on individuals with Aphasia (Broca's aphasia, TMA and Global aphasia).
24	<b>Title</b> <b>Objectives</b> <b>Investigator(s)</b>	Field Testing of Manual of Adult Fluent Therapy-in Kannada. To field test Manual of Adult Fluent Therapy-in Kannada. Dr. S.P. Goswami and Dr. Jayashree C. Shanbal.

	<b>Amount</b>	₹ 5.77 lakhs.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Manual of Adult Fluent Therapy-in Kannada was field tested on individuals with fluent aphasia.
25	<b>Title</b>	Digital tutorial for pre-reading skill (A supplement to the intervention module for preschool children with communication disorders).
	<b>Objectives</b>	i)To develop a digital tutorial on the activities to enhance pre-reading skill as detailed in the intervention module for preschool children with communication disorders.(ii)To evaluate the efficacy of the digital tutorial in training the special educators, speech-language pathologists and caregivers in imparting the pre-reading skill in children with special needs in the age group of 3-6.
	<b>Investigator(s)</b>	Dr. Swapna.N,Dr.K.S. Prem and Dr. Y.V Geetha.
	<b>Amount</b>	₹ 5,41,000.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Script writing for the pre-reading skill tutorial (phase I and II) consisting of 150 activities has been accomplished and the video recording of these activities is underway.
26	<b>Title</b>	Word and Nonword repetition test for children in Kannada.
	<b>Objectives</b>	To develop a word and a nonword repetition test in Kannada language (along the lines of NRT and PSRep) for children in the age group of 3-6 years.
	<b>Investigator(s)</b>	Dr. Swapna.N.
	<b>Amount</b>	₹ 3,06,000.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Stimuli (words and nonwords) have been prepared and data collection has been carried out. Analysis of the subject's responses is underway.
27	<b>Title</b>	Process Evaluation of DHLS program conducted through Actual Vis-à-vis virtual mode.
	<b>Objectives</b>	To undertake a process evaluation of DHLS program conducted through virtual mode of instruction at various centers across the country.
	<b>Investigator(s)</b>	Dr.Vijayalakshmi Basavaraj,Prof. S.Venkatesan and Ms.Vasantha Lakshmi M S.
	<b>Amount</b>	₹ 1,96,000.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Report prepared for the year 2009-10 and 2010-11 data collected.
28	<b>Title</b>	Adaptation and standardization of Cognitive Linguistic Quick Test in Kannada (CLQT-K): Comparison between monolinguals (Kannada) and bilinguals(Kannada-English).
	<b>Objectives</b>	To adapt and standardize CLQT into Kannada.
	<b>Investigator(s)</b>	Dr.Vandana.V.P and Prof.Shyamala.K.C.
	<b>Amount</b>	₹ 3.4 lakhs.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Data collection completed, statistical analysis in progress, introduction first draft corrected.
29	<b>Title</b>	Screening Test for Acquisition of Syntax in Telugu (STAS-T): An Adaption of STASK.

<b>Objectives</b>	To develop a valid and standardized test for the assessment of syntax in Telugu language.
<b>Investigator(s)</b>	Mr.P. Gopi Kishore, Dr. S.P. Goswami and Dr. Vijaya Lakshmi Basavaraj.
<b>Amount</b>	₹ 3,01,000/-
<b>Status</b>	Ongoing.
<b>Achievements in 2010-11</b>	Stimulus material was prepared and the same was tested for the content validity. Conducted pilot study on 40 subjects and minor changes were made to the stimulus. Reviewed related literature.

## B. Doctoral Research

The details of doctoral research carried out in the department during the reporting year are given in table 45.

Table 45: Doctoral Research.

Sl. No	Candidate	Title	Guide	Status
1	Preeja Balan	Mother-child interaction: Communicator in children with cerebral palsy using AAC.	Dr. R. Manjula	Degree Awarded
2	Shilpashri H.N.	Development of Pragmatic Skills in Autism Spectrum Disorders.	Dr. K.C. Shyamala	Thesis submitted
3	Vasanthalakshmi M S	Limit theorems for sums, extremes and related stochastic processes.	Dr. R. Vasudeva	Thesis submitted
4	Deepa M.S	Discourse in Bilingual individuals with Demantia and Aphasia.	Dr. K.C. Shyamala	Ongoing
5	Ms. Hema. N	Discourse Analysis in Bilingual Aphasic & Non Aphasic TBI.	Dr. K.C. Shyamala	Ongoing
6	Ms.Namrata Rai	Language Assessment In Toddlers and Late Talkers/SLI.	Dr. K.C. Shyamala	Ongoing
7	Ms.Sunitha Sendil	Intervention In Autism Spectrum Disorders.	Dr. K.C. Shyamala	Ongoing
8	Ms. Maria Grace Teresa	Emergence of expressive Morphology in Malayalam speaking children with & without ASD.	Dr. K.C. Shyamala	Ongoing
9	Mr. Sunil Kumar. R	An even related brain potentials study of language processing of Kannada-English Bilingual Aphasia.	Dr. K.C. Shyamala	Ongoing
10	Mr. Santosh Kumar	Development and standardization of comprehension test in Hindi language for persons with Aphasia.	Dr. S.P. Goswami	Ongoing
11	Mr. Sampath Kumar Lagishetty	Semantic judgment in Monolingual and Bilingual persons with Brocas Aphasia – An ERP Study.	Dr. S.P. Goswami	Ongoing

12	Mr. Gopi Sankar	Some acoustical and perceptual parameters of cleft palate speech : Pre - post surgery.	Dr. M.Pushpavathi	Ongoing
13	Mr. Gopi Kishore. P	Efficacy of Eclectic Voice Program in the treatment of Hyperfunctional Voice Disorders.	Dr. M.Pushpavathi	Ongoing
14	Mr. Gnanavel.K	Speech Characteristics in Velopharyngeal dysfunctions – Pre-Post Surgery.	Dr. M.Pushpavathi	Ongoing
15	Mrs. Mili Mary Mathew	Development of gesture and speech in typically developing infants.	Prof. R. Manjula	Ongoing
16	Mrs. M.B.Priya	Test Battery for Assessment of Phonological representations in Kannada Speaking Children.	Prof. R. Manjula	Ongoing

### C. PostGraduate Research

The successfully completed postgraduate research projects in the department during last year are given in table 46.

Table 46: Completed Postgraduate Research Projects.

Sl. No.	Candidate	Title	Guide
1	Liveem. M. T.	Agrammatism in children with Mental Retardation.	Dr. Shyamala K.C
2	Ashwathy	Agrammatism in children with Hearing Impairment	Dr. Shyamala K.C
3	Shafna	Agrammatism in children with Autism.	Dr. Shyamala K.C
4	Sri Pallavi	WAB in Telugu.	Dr. Shyamala K.C
5	Mohana	Spoken language proficiency in bilingual children with Learning Disability.	Dr. Shyamala K.C
6	Mahesh B.V.M	Performance of stutterers on self select reaction time paradigm using speech and non speech tasks.	Dr.R. Manjula
7	Yashomathi	Comparison of signed vocabulary of Indian sign language (ISL) users with that of Signed English (SE).	Dr.R. Manjula
8	S. Priyashri	Resource manual for training children with communication disorders (3-8 years) in multisensory skills.	Dr.R. Manjula
9	Gayathri Krishnan	A self-therapy manual in English for the management of speech and swallowing disorders in persons with Parkinson's disease.	Dr.R. Manjula

10	Ms. Manju Mohan	Verbal perseveration in Malayalam – English bilinguals.	Dr. N. Swapna
11	Ms. Shylaja	Nonword Repetition in children with language impairment : An Exploratory Study.	Dr. N. Swapna
12	Ms. Maria	Developmental patterns of syntax in 3-6 year old Malayalam speakers – A computerized approach.	Dr. N. Swapna
13	Anil Kumar	Treatment Manual for Persons with Anomic Aphasia.	Ms. Jayashree.C.S
14	Anjana	Cognitive Communicative Assessment Protocol for Persons with Dementia in Malayalam (CCAPD-M).	Ms. Jayashree.C.S
15	Bhuvaneshwari	English Language Test for Indian Children (ELTIC).	Ms. Jayashree.C.S
16	Ranjini Rajan	Treatment manual for children with dyslexia.	Ms. Jayashree.C.S
17	Sharon Susan Sam	Effects of Aging on Naming in Bilingual Older Adults.	Ms. Jayashree.C.S

The details of ongoing postgraduate research works are given in table 47.

Table 47: Ongoing postgraduate Research Projects.

Sl. No.	Candidate	Title	Guide
1	Wishly Mammen	Development of pressure consonants articulation drill material in Malayalam for cleft palate population	Dr.M. Pushpavathi
2	Keerthi Prasad	Development of pressure consonants articulation drill material in Kannada for cleft palate population	Dr.M. Pushpavathi
3	Hemalatha P	Development of pressure consonants articulation drill material in Telugu for cleft palate population	Dr.M. Pushpavathi
4	Varun Uthappa	Implicit Language processing in LD	Dr. Shyamala K.C.
5	Priyanka shilat	Implicit Language processing in MR	Dr. Shyamala K.C.
6	Nayana	Verb and noun processing in bilingual persons with Aphasia	Dr. Shyamala K.C.
7	Gargi Singh	A study of the non manual markers in words across different grammatical categories in Indian Sign Language users	Dr.R. Manjula
8	K.S. Padmatharini	Performance of typically developing children between 4-5 years on two tongue array module using Digital swallowing workstation.	Dr.R. Manjula
9	Ms. Midula Kasim	Performance of typically developing children between 4-5 years for swallowing sound on cervical auscultation module in Digital swallowing workstation.	Dr.R. Manjula

10	Aditya	Quality of life of individuals with Right Hemisphere Damage – Relevance of cognitive communication disorder	Ms.Jayashree Shanbal
11	Merlin	Adaptation of TROLL to identify children at risk for Learning disability	Ms.Jayashree Shanbal
12	Lydia	Resource Manual for Learning disability with CAPD	Ms.Jayashree Shanbal
13	Sangeetha G.S	Cognitive Linguistic Abilities in Simultaneous and Sequential Bilingual Children.	Dr. Swapna.N
14	Sneha G	Narrative abilities of Individuals with Down Syndrome.	Dr. Swapna.N
15	Sheela.S	Symbolic Play and Language: Its Relationship in Children with Mental Retardation.	Dr. Swapna.N

## **D. Research Publications/Presentations**

### **D. 1 International Conference Paper Presentations**

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 on Coming of Age: Dementia in 21st century. University of Stirling, London, 19-24 October 2010.
2. Swapna N & Shylaja. Non-word repetition in children with specific language impairment: An exploratory study. 8<sup>th</sup> Asia Pacific Conference on Speech, Language & Hearing. Christchurch, New Zealand, 11-14 January 2011.
3. Gopi Kishore P, Ramya H Y, Ranjini G.C & Kanthima V Namboothiri. Efficacy of voice therapy in sulcus vocalis: A single case study. Joint International Symposium on Frontiers of Research on Speech and Music and Computer Music Modelling and Retrieval (FRSM/CMMR). Bhuvaneshwar, 9-12 March 2011.
4. Swapna N & Manju M. Verbal perseveration in malayalam-english bilingual elderly individuals. 8<sup>th</sup> Asia Pacific Conference on Speech, Language & Hearing. Christchurch, New Zealand, 11-14 January 2011

### **D. 2 National Conference Paper Presentations**

1. Aswathy A.K. Hearing impairment and agrammatism. National Seminar on Language Acquisition or Learning. University of Kerala, Trivandrum, 3-4 February 2011.
2. Gopi Kishore P. Rehabilitation of voice in professional voice users. National Workshop on Professional Voice Assessment and Management. All India Institute of Speech & Hearing, Mysore, 9-10, December 2010.
3. Jayashree C. Shanbal, Sangeetha G & Vrunda C. Translation priming in bilingual children with learning disability. 43rd Annual Convention of Indian Speech & Hearing Association (ISHACON), Kolkata, 21-23 January 2011.
4. Jayashree C Shanbal, Sharon Susan Sam & Anjali Maratt. Diagnosing learning disabilities in children: A speech language pathologist perspective. National Seminar on Language Acquisition or Learning. University of Kerala, Trivandrum, 3-4 February 2011.

5. Pushpavathi M & Gopisankar. Nasalence value for rainbow and zoo passage of non native English speakers. 9th Annual Conference of Indian Society of Cleft Lip, Palate and Craniofacial Anomalies. All India Institute of Medical Sciences, New Delhi , 24 April 2010.
6. Pushpavathi M & Indu Thammaiah. Early intervention module for children with cleft palate .10th Annual Conference of Indian Society of Cleft Lip, Palate and Craniofacial Anomalies. Chennai, 28-30 January 2011.
7. Pushpavathi M Prevention of voice problems and maintenance of healthy voice. National Workshop on Voice Assessment and Management. All India Institute of Speech & Hearing, Mysore, 9-10 December 2010.
8. Pushpavathi M. Prosthodontic management of challenging cases with CLP. 10th Annual Conference of Indian Society of Cleft Lip, Palate and Craniofacial Anomalies. Chennai, 28-30 January 2011.
9. Pushpavathi M. Speech Production. 10th Annual Conference of Indian Society of Cleft Lip, Palate and Craniofacial Anomalies. Chennai, 28-30 January 2011.
10. Pushpavathi M, Indu Thammaiah & Jasmine. Awareness of parents of CLP on the nature of Cleft palate. 10th Annual Conference of Indian Society of Cleft Lip, Palate and Craniofacial Anomalies. Chennai, 28-30 January 2011.
11. Shyamala K.C. Assessment and intervention approaches in PDD and ASD. Invited Key-note lecture at National Seminar on Communication disorders in children and Dysphagia. Hyderabad, 4- 6 March 2011.
12. Shyamala K.C. Contemporary issues and concepts of PDD & ASD. Invited Key-note lecture at National Seminar on Communication Disorders in Children and Dysphagia. Hyderabad, 4- 6 March 2011.
13. Swapna N, Ansu A Grace, Shylaja K. Non-word repetition in sequential and simultaneous bilinguals. (Poster presentation). 43rd Annual Convention of Indian Speech & Hearing Association (ISHACON), Kolkata, 21-23 January 2011.

### **D. 3 International Journal Publications**

1. Deepa M. S. & Shyamala K. C (2010). Cognitive linguistic performance in bilingual persons with dementia. *International Journal of Mind, Brain, Cognition*, V.1(2).
2. Shyamala K.C, Vishnu K.K, Arya Abraham & Sapna Bhat (2010). Fast mMapping of novel words: A cross-linguistic study. *International Journal of Mind, Brain & Cognition*, V.1(1).

### **D. 4 National Journal Publications**

1. 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*, V.71.
2. Deepa M. S. & Shyamala K. C (2010). Complex discourse production in persons with mild dementia: Measures of richness of vocabulary. *Journal of All India Institute of Speech and Hearing*, V(29)1.



3. Hema N & Shyamala K. C (2010). Discourse in traumatic brain injury. Journal of All India Institute of Speech and Hearing, V.29(2).
4. 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. Journal of All India Institute of Speech and Hearing, V.29(2).
5. Pushpavathi M, Chandrabose, Jocine Gloria, St Louis Kenneth & Raof Shabina (2010). Awareness of stuttering among prospective teachers of Mysore. Journal of All India Institute of Speech and Hearing, V.29 (2).
6. Pushpavathi M, Venkatesan S & Purushotham K (2011). Adjustment patterns in voice disorders. Journal of Indian Speech and Hearing Association, V.25 (1).
7. 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, V. 25(1).
8. Swapna N, Steby S, Sindhupriya C & Rupali M (2010). Cognitive-linguistic abilities in bilingual children. Journal of All India Institute of Speech and Hearing, V.29(1).
9. 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, V.29 (1).
10. Vasudeva R & Vasantha Lakshmi M.S. (2010). Burr distribution as limit distribution of extremes of a random number of random variables. mySCIENCE, V. 4(2) .

#### **D. 5 Online Journal Publications**

1. 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. Languages in India. V.10(11).
2. Deepa M. S & Shyamala K. C (2010). Bilingual persons with mild dementia-spectrum of cognitive linguistic functions. Languages in India, V.10
3. Shyamala K.C, Ravi Kumar & HariPriya G(2010). Verbal interaction and input in hearing impaired. Languages in India. V. 10.
4. Vishnu K.K, Maya Leela & Subba Rao T.A(2010). A comparative study on the efficacy of two different clinical language intervention procedures. Languages in India. V 10

#### **D.6 In-house Publications**

The details of research papers published by the faculty members and students of the department in 'Student Research at AIISH 2009-10, Volume VIII, Part B-Speech Language Pathology', are given below.

1. Anil Kumar & Jayashree C. Shanbal. Treatment Manual for Persons with Anomic Aphasia.
2. Anjana A.V. & Jayashree C. Shanbal. Cognitive Communicative Assessment Protocol for Persons with Dementia in Malayalam (CCAPD-M).
3. Aswathy A.K. & Shyamala K.C. Agrammatism in Children with Hearing Impairment.
4. Bijoyaa Mohapatra & S.P.Goswami. Development of Revised Token Test in Oriya.

5. Gayathri Krishnan & R. Manjula . A Self Therapy Manual in English for Speech and Swallowing Difficulties in Persons with Parkinson's disease(PsWPD).
6. D. K. Veena & S. P. Goswami. Cognitive-Linguistic Assessment Protocol in Telugu.
7. Lakshmi S.Mohan & S. P. Goswami. Cognitive-Linguistic Assessment Protocol in Malayalam.
8. Lincy Mary Varghese & S. P. Goswami. Development of Revised Token Test in Malayalam.
9. Liveem Mariam Tharakan & Shyamala. K.C. Agrammatism in Children with Mental Retardation.
10. Mahesh B.V.M. & R. Manjula. Performance of PWS on Self Select Reaction Time Paradigm Using Speech and Non Speech Tasks.
11. Manju Mohan & Swapna.N. Verbal Perseveration in Malayalam-English Bilinguals.
12. Maria P.R. & Swapna. N. Some Aspects of Syntax in 4-7 year Old Typically Developing Malayalam Speaking Children: A Computerized Approach.
13. Mohana P.&Shyamala. K.C. Spoken Language Proficiency in Bilingual Children with Learning Disability.
14. Namala Bhuvanewari & Jayashree C. Shanbal. English Language Test for Indian Children (ELTIC).
15. Priyashri S. & R.Manjula. Resource Manual for Children with Communication disorders (3-8 years) on Multi Sensory Skills.
16. Ranjini R. & Jayashree C. Shanbal. Treatment Manual in English for Indian Children with Dyslexia.
17. Rupali Mathur & S. P. Goswami. Developing a Protocol for Measuring Participation of Persons with Aphasia.
18. Shafna Jahan & Shyamala K.C. Agrammatism in Malayalam speaking Children with Autism Spectrum Disorders.
19. Written Language Skills in Children with Dyslexia. Sheetal R. & Sangeetha Mahesh.
20. Sharon S. Sam & Jayashree C. Shanbal . Effects of Aging on Naming in Bilingual Older Adults.
21. Shylaja K. & Swapna. N . Nonword Repetition in Children with Language Impairment
22. Sri Pallavi & Shyamala K.C.Development of Western Aphasia Battery in Telugu (WAB-T).
23. Yashomathi & R. Manjula . Comparison of Signed Expression of Indian Sign Language (ISL) Users and Markers of Signed English (SE).

## **D.7 Book/Book Chapters**

1. Shyamala K.C. & Prema K.S (2010). Chapter titled 'Language processing in bilinguals and biliterates.' In Special volume 'Cognitive initiatives'. Published by DST,New Delhi.

## **CLINICAL SERVICES**

The clinical services of the department are discussed under general clinical services and specialized clinical services.

### **A. General Clinical Services**

#### **A.1 Speech and Language Assessment**

3951 and 245 persons have undergone language and speech assessment respectively, previous year. Category-wise speech disorders include 73 cases of phonological disorders, 68 fluency, 56 voice and 48 resonance. The details are given in table 48.

Table 48: Speech and Language Assessment.

<b>Type of the disorder</b>	<b>No. of cases evaluated</b>
1. Language Disorder	<b>3951</b>
2. Speech Disorders	
a) Voice disorder	<b>56</b>
b) Disorders of Phonology	<b>73</b>
c) Disorders of Fluency	<b>68</b>
d) Resonance	<b>48</b>

## A. 2 Speech and Language Rehabilitation

The details of supervision of cases with Speech-Language disorders are given in table 49.

Table 49: Supervision of cases with Speech-Language disorders.

<b>Type of the disorder</b>	<b>No. of cases supervised</b>
Language Disorder	<b>1272</b>
Speech disorders:	
a) Voice disorder	<b>16</b>
b) Disorders of Phonology	<b>110</b>
c) Disorders of fluency	<b>26</b>
d) Resonance	<b>64</b>

## B. Specialized Clinical Services

The department is running three specialized clinics for the diagnosis and treatment of speech and language disorders. These are Augmentative and Alternative Communication Unit, Autism Spectrum Disorders Unit and Unit for Structural Craniofacial Anomalies. The clinical activities carried out by these units during the reporting year are given below.

### B.1 Augmentative and Alternative Communication (AAC) Unit

This unit supports, enhances and provides alternative methods of communication for individuals who are non-verbal. The unit evaluated 18 new and 236 therapy cases, last year. The total number of therapy sessions conducted was 1392. In addition to these, there were 3 home training cases and one demonstration therapy (DT) case. The details are given in table 50.

Table 50: Clinical Statistics of AAC Unit.

<b>Category</b>	<b>Numbers</b>
New cases evaluated	18
Evaluation sessions	19
Therapy cases seen	236
Therapy sessions	1392
D.T. cases	01
Home training cases	03

## B.2 Autism Spectrum Disorders(ASD) Unit

This unit provides assessment, treatment and consultation services for clients diagnosed to have Autism spectrum disorders. The detailed statistics of various clinical activities of the department previous year are given in table 51.

Table 51: Clinical Statistics of ASD Unit.

<b>Category</b>	<b>Total</b>
Cases evaluated	234
Assessment sessions	236
Therapy cases	643
Therapy sessions	3605
D.T. cases	36
Cases discharged	19
Cases discontinued	01
<b>Occupational Therapy (Sensory Integration)</b>	
Cases evaluated	177
Assessment sessions	177
Therapy cases	792
Therapy sessions	3938
Cases re-evaluated	45
Re-assessment sessions	45

## B.3 Unit for Structural Craniofacial Anomalies (U-SOFA)

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. The clinical activities of the unit are detailed in table 52.

Table 52: Clinical Statistics of U-SOFA.

<b>Category</b>	<b>Pediatric</b>	<b>Adult</b>
<b>Diagnostics</b>		
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
<b>Rehabilitation Recommended</b>		
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
<b>Details of Rehabilitation</b>		
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
<b>Manpower Development</b>		
No. of undergraduate students trained		70
No. of internee trained		44
No. of postgraduate students trained		68

## FACULTY AND STAFF ENGAGEMENTS

### DR. M. PUSHPAVATHI

#### Positions Held

- Head, Department of Speech Language Pathology.
- Chair person, Unit for structural Craniofacial Anomalies.
- Coordinator, DHLS Mumbai center.
- Member, BOE, University of Mysore.
- Member, BOS, University of Mangalore.
- Treasurer, AIISH Alumni Association.
- Member, Preparation of entrance exam question papers for MSc (SLP).
- Member, Screening committee for Group B officers.
- Chairperson, Publicity and information committee for the 45<sup>th</sup> AIISH annual day.
- Member, Screening committee (DPC) for Group B & C staff for financial up gradation.
- Chief superintendent, B.Sc entrance exam, 2010.
- Chairperson, Interior decoration of the international guest house.
- Coordinator, Central valuation held for PG and UG examination on June 2010-11.
- Member, doctoral committee meeting held for Mr. Gopi Sankar and Mr. Gopi Kishore.

#### Other Curricular and Extra-Curricular Engagements

- Attended a workshop on Choice Based Credit System (CBCS) organized by the AIISH.
- Visited Mumbai DHLS center for inspection on 6.9.10 to 8.9.10.

### DR. K.C. SHYAMALA

#### Positions Held

- Overall Coordinator, DHLS.
  - Coordinator, Autism Spectrum Disorders Unit.
  - Chairperson, Library committee.
  - Coordinator, PGDCL-SLP.
  - Chief Vigilance Officer.
  - Chairperson, Service Betterment Committee.
  - Chairperson, Sexual Harassment Committee.
  - Chairperson, DPC Committee.
  - Member, International Editorial Board of 'Asia Pacific Journal of Speech, Language and Hearing', San Diego, USA.
  - Member, Board of Editors, The Journal of All India Institute of Speech and Hearing.
  - Member, Board of Editors, AIAN (Annals of Neurology), New Delhi.
  - Member, Board of Editors, CIA, Bangalore.
  - Member, Board of Editors, Journal of Neurolinguistics.
  - Member, Board of Editors, Journal of Indian Speech Language and Hearing Association.
- 
- Member, BOS (Sp. & Hg.), Mysore University.

- Member, BOS, Osmania University.
- Member, BOS Calicut University.
- Member, BOS Bangalore University.
- Member, BOS Kerala University.
- Member, Postdoctoral Committee, AIISH.
- Member, Quarters Allotment Committee.

### **Other Curricular and Extra-Curricular Engagements**

- Served as resource person for the National seminar on communication disorders in children and Dysphagia as resource person from 4<sup>th</sup> – 6<sup>th</sup>, March, 2011, at Hyderabad.
- Modification of syllabus was done w.r.t. credit based system.
- Attended workshop on 'Pedagogy and evaluation methods' on 17.11.2010.
- Peer-reviewed articles for :
  - Asia Pacific Journal of Speech, language and Hearing.
  - Journal of Neurolinguistics.
  - Journal of All India Institute of Speech and Hearing.
  - Journal of Indian Speech Language and Hearing Association.

## **DR. R. MANJULA**

### **Positions Held**

- HOD, Department of Prevention of Communication Disorders.
- Coordinator, AAC Unit.
- Coordinator, DHLS Centre, New Delhi.
- Member Secretary, Public Grievances and Redressal committee.
- Member Secretary, Committee for new born screening at 3 DHLS centres.
- Member, Mysore University Committee to review and award research status to JSS Speech and Hearing Institute, Mysore.
- Member, Selection Committee for the post of Clinical psychologist Grade II.
- Vice President of ISAAC- India Chapter.
- Member, Committee to select Supervisor for Extension Service centers of POCD.
- Panelist in the 'Inhouse faculty development workshop on pedagogy' held on 17.11.2010.
- Member, Screening committee (DPC) for Group D staff for financial upgradation.
- Member, Anti ragging committee.
- Member, Internal Research Committee for review of ARF Research projects.
- Member, Committee to review the doctoral thesis of Ms. Shilpashree.
- Member, Committee to review Ph.D thesis of Ms. Hema N.
- Member, Committee for the preparation of Entrance Question papers for M.Sc (SLP).
- Member, BOE and BOS at ISH, Bangalore.
- Member, BOS and BOE, Mysore University.
- Member, Doctoral committee meeting held for two candidates on 31.1.2011.
- Member, Board of Editors, Journal of All India Institute of Speech and Hearing.

### **Other Curricular and Extra-Curricular Engagements**

- Chaired a scientific session on ‘AAC and early intervention.’ at the 2<sup>nd</sup> National conference on ‘AAC and Assistive Technology for persons with disabilities’, held at Chennai from 9/7/2010 to 10/7/2010.
- Served as resource person for the workshop on ‘Preparation of ICF training modules for master trainers and rehabilitation professionals in the field of speech and hearing handicapped’ held at AYJNIHH, Mumbai on 24.1.2011.
- Attended meeting on Tender opening for Omni bus of AIISH on 18.5.2010.
- Coordinated tele lecture series addressed to the Health workers through video conferencing system connected to Hullahalli and Akkihebbalu villages.
- Provided Guidelines to open a school and vocational centre for special children in Mysore to Mr. Jagannath, Chairman, of World Academy of Science, Humanities, Education and Literature (WASHEL), India Chapter, on 4<sup>th</sup> and 7<sup>th</sup> June 2010.
- Conducted annual inspection of Delhi DHLS centre from 22.9.2010 to 24.9.2010.
- Prepared course structure, syllabus and terms and conditions of Post Graduate Diploma in Augmentative and Alternative Communication (PGDAAC).
- Reviewed two DST proposals on Cognition.
- Attended 2<sup>nd</sup> National conference on ‘AAC and Assistive Technology for persons with disabilities’ held at Chennai from 9/7/2010 to 10/7/2010.
- Attended workshop on “Preparation of ICF training modules for master trainers and rehabilitation professionals in the field of speech and hearing handicapped” held at AYJNIHH, Mumbai on 24.1.2011.
- Delivered guest lecture on ‘Student assessment procedures’ by Dr. Rangamani G.N on 27.1.2011.
- Attended workshop on ‘Evidenced based practice in speech, language and communication impairments’, conducted at the Indian Institute of Cerebral palsy, Kolkata on 2<sup>nd</sup> February 2011.
- Attended workshop on ‘MATLAB PROGRAM’ conducted by the Dept of Electronics, AIISH on 27<sup>th</sup> and 28<sup>th</sup> March 2011.
- Reviewed articles for the ‘Journal of Indian Speech Language & Hearing Association’.

#### **Dr. N. Swapna**

##### **Positions held**

- Mentor, I MSc (SLP) students.
- Chairperson, Cultural committee, Annual day programme held on 9.8.2010.
- Coordinator, Hindi week celebration.
- Chairperson, Committee for conducting competitions for special children for open day.
- Member, LTU.
- Member, Committee to monitor new born infant screening.

##### **Other Curricular and Extra-Curricular Engagements**

- Resource person for the workshop on ‘Management of children with multiple disabilities in inclusive and special setups’, conducted by the Department of Clinical Psychology, on 16<sup>th</sup>

March 2011 and presented on the topic 'Interpreting evaluation reports for planning instruction'.

- Resource person for the orientation program on the activities carried out to facilitate language skills in children with communication disorders, conducted by the Department of Clinical Psychology on 22<sup>nd</sup> April, 2010.
- Resource person for the workshop on 'Learning Disability' and delivered a lecture on 'Intervention Strategies in Classroom Settings' conducted by the Department of Clinical Psychology on 7<sup>th</sup> Oct 2010.
- Resource person for the orientation program on the activities carried out to improve academic skills in a classroom situation for children with communication disorders, conducted by the Department of Clinical Psychology on 15<sup>th</sup> July, 20<sup>th</sup> August and 11<sup>th</sup> November 2010.
- Supervised BASLP entrance exam 2010 at Chennai center.
- Attended the meeting at the Ministry of Science and Technology, New Delhi on 13<sup>th</sup> and 14<sup>th</sup> December 2010 to present a project proposal.
- Visited Shimla and Ajmer DHLS centers for inspection of the center for new born screening.
- Attended workshop on 'Pedagogy and evaluation methods' on 17.11.2010.
- Attended seminar on 'education on the global front' organized on account of International Education week on 19.11.2010.
- Attended Seminar on 'Research design in clinical sciences' by Dr. M.N Hegde on 7.12.2010.
- Attended Seminar on 'Assessment of student learning outcomes' by Dr. G.N Rangamani on 27.1.2011.
- Compiled articles for the 'Student Research at AIISH, Volume VIII- 2009-10: Part B Speech Language Pathology.

#### **DR. JAYASHREE C. SHANBAL**

##### **Other Curricular and Extra-Curricular Engagements**

- Attended Workshop on Assessment and Management of Learning Disability organized by the Department of Clinical Services and delivered a talk on 'Management of Learning disability' on 17<sup>th</sup> March, 2011.

#### **Ms. VASANTHA LAKSHMI M.S**

##### **Other Curricular and Extra-Curricular Engagements**

- Prepared the modified syllabus for I M. Sc (CBCS for the paper 'Statistics in Speech – Language and Hearing').
- Provided statistical assistance to 84 research works which include dissertations, projects and scientific papers.
- Attended Workshop on 'Choice Based Credit System', held by University of Mysore, Mysore on 16.09.2010 at Department of Microbiology, Manasagangotri, Mysore.



## **MR. GOPI KISHORE**

### **Positions held**

- Member, Unit for structural orofacial Anomalies.
- Member, Exhibition committee, Annual day.
- Member, Exhibition committee, Open day.

### **Other Curricular and Extra-Curricular Engagements**

- Orientation is given on 'Instrumentation used in the diagnosis and management of Speech Language disorders' to a student from Ireland on 9<sup>th</sup> June, 2010 (10:00am to 1:00pm).
- Attended pre-conference seminar on 'assessment and management of speech disorders in CLP' conducted at Indo cleft -2011 on 28.1.11 to 30.1.2011 at Chennai.
- Attended Seminar on 'Voice Update' on 28<sup>th</sup> & 29<sup>th</sup> September 2010 At SRMC, Chennai
- Seminar on 'Preparing Young children with Autism to learn language' on 12.8.2010 at AIISH, Mysore.
- Attended Lecture on "Inhouse Faculty Development program on Pedagogy and Evaluation Methods" at AIISH, Mysore on 17.11.2010.
- Attended Inhouse training program on Test of Repetition and Early Repetition Battery on 16.11.2010, at AIISH.
- Attended Seminar on 'Intervention of pragmatics in children with Autism' on 12.8.2010.
- In-House training program on Digital Swallow Workstation conducted by department of Speech Language Pathology on 11<sup>th</sup> October, 2010.
- Attended lecture on 'Choice Based Credit System' by Dr. Guru from the Mysore University.

## **MR. BRAJESH PRIYADARSHI**

### **Positions held**

- DHLS Coordinator, Bhagalpur centre.

### **Other Curricular and Extra-Curricular Engagements**

- Modified M.Sc. SLP Syllabus for course titled: LA 050: Clinical Linguistics & Multilingual Issues in Communication.
- Translated POCD materials in Hindi Language.
- Reviewed Hindi version of Annual Report – 2009-10.
- Edited Hindi translation of module -1 of Introduction to Disabilities and Handicaps.
- Attended workshop on 'Choice Based Credit System (CBCS)' organized by the University of Mysore.
- Attended workshop on 'Choice Based Credit System (CBCS)' organized by the AIISH.
- Attended workshop on 'Writing Research Proposal' organized by the Department of Speech Language Pathology, AIISH.
- Attended 'South Asian Languages Analysis (SALA) Round table' held at Central Institute of Indian Languages (CIIL), Mysore from 06.01.2011 to 08.01.2011.

## **DR. V.P. VANDANA**

### **Positions held**

- Member, Library committee.
- Member, Stage committee, Institute Day Celebrations.
- Member of the committee for AIISH Alumni meet 2011.
- In-charge, Special Events Committee for Open Day.
- Member, organizing committee for the meeting for discussion of syllabus for PGDAAC.
- Organizing committee member for the seminar on 'Clinical research methods in communication disorders' held on 7<sup>th</sup> December 2010.

### **Other Curricular and Extra-Curricular Engagements**

- Attended faculty development workshop on Pedagogy and evaluation methods in the Seminar Hall, Academic section on 1.11.2010 from 9.30 am to 1.00pm.
- Attended workshop on 'Professional writing' by Prf. Giri Hegde-Prof Emeritus of Speech Language Pathology-California State University, Fresno, US.
- Attended workshop on 'Assessment and Management of Autism' by Mr.Milind Sonawane, Sr Speech Pathologist, Ireland, held in the Seminar Hall AIISH from 10.00am to 1.30pm
- Attended In-house training program on Digital Swallow station on 2<sup>nd</sup> November 2010.
- Attended Guest lecture on 'Student assessment procedures' by Dr. G.N..Rangamani, Visiting Full-Bright Scholar.

## **DEPARTMENT OF SPEECH-LANGUAGE SCIENCES**

### **Profile**

The Department of Speech-Language Sciences has multifaceted activities including development of manpower resources at the diploma, undergraduate, graduate, doctoral and post-doctoral level, conducting institutional and collaborative research, offering clinical services to persons with communication disorders, guiding students in their clinical program and disseminating information and resources to other professionals. The vision of the department is to serve the diversified population of India with a thorough understanding of the speech and language mechanisms and its functions. With the advancement in the field of speech and language sciences, the task force in the department is geared towards offering the best possible technical know-how and research-based evidences for training and clinical programs. In addition, the aim of the department is to facilitate better understanding of the disorders of speech and language in children and adults from different socio-cultural and linguistic population of India.

### **ACADEMIC ACTIVITIES**

#### **A. Guest Lectures**

The Department organized guest lectures as given in table 53, during the reporting year.

Table 53: Guest Lectures.

Sl.No	Resource Person	Topic	Date
1	Dr. G.N.Rangamani, Visiting Fulbright Scholar, St. Cloud State University, U.S.A.	Student Assessment Procedures & Assessment of Student Learning Outcome (SOL).	27-01-11
2	Dr. G.N.Rangamani, Visiting Fulbright Scholar, St. Cloud State University, U.S.A.	Cognitive Linguistic assessment and intervention.	16-03-11
3	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.	Automatic Assessment of oral fluency in second language speech.	28-02-11

### B. Short-term Training/Orientation Programs

The department organized 15 short-term training programs during the year under report, the details of which are given below.

1	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>No. of participants</b> <b>Date</b>	Acoustic analysis of vowels and its synthesis. Training on formant frequency analysis and their synthesis. Students, SJCE, Mysore. 4. 29-30 April 2010.
2	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>No. of participants</b> <b>Date</b>	Department and its activities. Orientation on department and its activities. Student of Presentation Secondary School, Ireland. 1. 10 June 2010.
3	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>No. of participants</b> <b>Date</b>	Instruments in the department & their usage. Orientation about instruments in the department & its usage. Coorg Institute of Dental Sciences. 6 PG students in Pedodontics. 9 July .2010 & 30 July 2010.
4	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>No. of participants</b> <b>Date</b>	Acoustic phonetics. To orient on the acoustic parameters of speech sounds. PG student, Loni. 1. 3-5 August 2010.
5	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>No. of participants</b> <b>Date</b>	Voice , Fluency & Phonological disorders. To introduce voice , fluency & phonological disorders. Students of Univ. of Applied Sciences, Utrecht. 3. 23-27 August 2010.

6	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>No. of participants</b> <b>Date</b>	Instruments in the department & its usage. Orientation about instruments in the department & its usage. ENT PG student from KIMS, Hubli. & MMC, Mysore. 4. 22-24 December 2010.
7	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b>  <b>No. of participants</b> <b>Date</b>	Instruments in the department & its usage. Orientation about instruments in the department & its usage Students, MMC, Mysore. Devaraja Urs Medical College, Kolar. 3. 5 January .2011.
8	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>No. of participants</b> <b>Date</b>	Instruments in the department & its usage. Orientation about instruments in the department & its usage Coorg institute of dental sciences, Virajpet. 6. 4 February 2011.
9	<b>Topic</b> <b>Objectives</b>  <b>Target Audience</b> <b>No. of participants</b> <b>Date</b>	Speech Language Transcription. Training I MA (English) and MA (Linguistics) students on speech language transcription. I MA (English) and MA (Linguistics) students. 12. 2 May 2010.
10	<b>Topic</b> <b>Objectives</b>  <b>Target Audience</b> <b>No. of participants</b> <b>Date</b>	Activities of Speech Language Sciences. To provide orientation on the Activities of Speech Language Sciences. Nursing students from Basappa Memorial Hospital, Mysore. 30. 14 June 2010.
11	<b>Topic</b> <b>Objectives</b>  <b>Target Audience</b> <b>No. of participants</b> <b>Date</b>	Early literacy and identification of literacy failures. To make aware of the importance of early literacy and identification of literacy failures. IERT. 40. 23 August 2010.
12	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>No. of participants</b> <b>Date</b>	Conservation of voice. To provide orientation on conservation of voice. B.Ed students, BGS Apollo College, Mysore. 100. 14 September 2010.
13	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b> <b>No. of participants</b> <b>Date</b>	Conservation of voice. To provide orientation on conservation of voice. B.Ed students, Sharada Vilas College of Education, Mysore. 100. 19 October 2010.
14	<b>Topic</b> <b>Objectives</b> <b>Target Audience</b>	Conservation of voice. To provide orientation on conservation of voice. M.Ed student, University of Mysore.

	<b>No. of participants</b>	35.
	<b>Date</b>	16 November 2010.
15	<b>Topic</b>	Conservation of voice.
	<b>Objectives</b>	To provide orientation on conservation of voice.
	<b>Target Audience</b>	B.Ed students, St. Joseph's college of Education, Mysore.
	<b>No. of participants</b>	120.
	<b>Date</b>	24 February 2011.

### C. In-house Training Programs

The details of the in-house training programs conducted by the department during the reporting year are given below.

1	<b>Coordinator</b>	Dr. Y.V. Geetha.
	<b>Theme</b>	Neuroscan demonstration by Dr. Vijayakumar.
	<b>Objectives</b>	To provide insight into neuroscan instrumentation and software.
	<b>Target Audience</b>	Dept. of SLS & SLP staff.
	<b>No. of Participants</b>	30.
	<b>Date</b>	3 June 2010.
2	<b>Coordinator</b>	Dr. Y.V. Geetha.
	<b>Theme</b>	Multimedia language lab instrument demonstration by Mr. Nagesh, Bangalore.
	<b>Objectives</b>	Demonstration of Multimedia Language Software.
	<b>Target Audience</b>	Dept. of SLS & SLP staff.
	<b>No. of Participants</b>	30.
	<b>Date</b>	25 June 2010.

### D. Seminars/Conferences/Workshops

The department organized a seminar as given below, during the reporting year.

	<b>Co-ordinator</b>	Dr. S.R. Savithri.
	<b>Theme</b>	Professional Voice : Assessment and Management.
	<b>Objectives</b>	To provide hands-on experience in Assessment and Management of Professional Voice.
	<b>Target Audience</b>	Speech Language Pathologists, Speech and Hearing B.Sc/M.Sc students.
	<b>No. of participants</b>	200.
	<b>Date</b>	9-10 December 2010.

## RESEARCH ACTIVITIES

### A. Research Projects

#### A.1 Projects with Extramural Funding

1	<b>Title</b>	Development of speech Rhythm in Kannada speaking children.
	<b>Objectives</b>	To investigate the development of speech rhythm in Kannada speaking children.
	<b>Investigator(s)</b>	Dr. S.R.Savithri and Dr. N. Sreedevi.
	<b>Funding Agency</b>	Dept. of Science and Technology, Ministry of Science and Technology, New Delhi.
	<b>Amount</b>	₹ 19,44,360.00.
	<b>Status</b>	Ongoing - analyzed recorded speech samples of 80 children .
	<b>Achievements in 2010-11</b>	Data collection is completed for 270 children in the age range to 3-13yrs. Each age group consisted of 30 children (15 males and 15 females) with one year interval. A total of 80 samples (30 samples from 3-4 years; 25 samples from 11-12years; 20 samples from 12-13 years; 5 samples from 4-5 years) were analyzed by measuring vocalic and intervocalic intervals. PVI (rPVI and nPVI) values were calculated. Results of 30 children in age range of 3-4yrs indicated stress timed rhythm; whereas, 11-12year and 12-13 year old children resembled more adult like and rhythm could be classified as mora timed.

#### A. 2 Projects with ARF Funding

1	<b>Title</b>	Development of Consumer Satisfaction Inventory.
	<b>Objectives</b>	The objective of the project was to develop an inventory to assess the satisfaction of clients seeking rehabilitation services at AIISH and to evaluate the same on the clients receiving diagnostic, therapeutic and preschool services.
	<b>Investigator(s)</b>	Dr. Y.V. Geetha,Dr. N. Swapna,Dr. P. Manjula,Dr. N. Sreedevi.
	<b>Fund</b>	₹ 2.00 lakhs.
	<b>Status</b>	Completed.
	<b>Achievements in 2010-11</b>	Submitted the project report.
2	<b>Title</b>	Development of intervention modules for preschool children with communication disorders – Phase I.
	<b>Objectives</b>	The main objective is to prepare modules for intervention for 10 skills (Sensory, motor, speech, language, social, cognition, pre-reading. writing, arithmetic and play) in preschool children in the age range of 0-3 years.
	<b>Investigator(s)</b>	Dr. N. Swapna,Dr. K.S. Prema,Dr. Y.V. Geetha,Dr. M. Jayaram.
	<b>Amount</b>	₹ 2.00 lakhs.
	<b>Status</b>	Completed.
	<b>Achievements in 2010-11</b>	Submitted the project report.
3	<b>Title</b>	Development of intervention modules for preschool children with communication disorders – Phase II.
	<b>Objectives</b>	The main objective is to prepare modules for intervention for 10 skills (Sensory, motor, speech, language, social, cognition, pre-reading. writing, arithmetic and play) in preschool children in the

	<b>Investigator(s)</b>	age range of 3- 6 years.
	<b>Amount</b>	Dr. N. Swapna,Dr. K.S. Prema,Dr. Y.V. Geetha,Dr. M. Jayaram
	<b>Status</b>	₹ 2.00 lakhs
	<b>Achievements in 2010-11</b>	Completed Submitted the project report
4	<b>Title</b>	Prevalence and nature of epilepsy in children with communication disorders.
	<b>Objectives</b>	To determine the prevalence of seizures in different subgroups of children with communication disorders,to determine the age of onset, causes, type of seizure, frequency of occurrence of seizures,to identify the pattern of inheritance if any,to classify the seizure disorders causing communication disorders and to determine the co-morbidity of seizures and the nature of communication disorder
	<b>Investigator(s)</b>	Ms. Sangeetha M & Dr. Y.V. Geetha.
	<b>Amount</b>	₹ 1.28 lakhs.
	<b>Status</b>	Completed.
	<b>Achievements in 2010-11</b>	Submitted the project report.
5	<b>Title</b>	Development of Test for Assessment of Bilingual Proficiency through Lexical Priming Task.
	<b>Objectives</b>	To develop a Language Proficiency test for Kannada -English Bilingual adults on the principle of primed LDT,to compare the performance of primed lexical decision in each of the Languages of the Bilinguals (Kannada -English),to compare performance of participants on self assessment questionnaire and primed LDT and to develop a yardstick for quick and objective online measurement of language proficiency.
	<b>Investigator(s)</b>	Dr. K.S. Prema .
	<b>Amount</b>	₹. 2, 58, 000/-
	<b>Status</b>	Completed.
	<b>Achievements in 2010-11</b>	Project report completed. Test is digitized for online accessibility.
6	<b>Title</b>	Phonological Sensitivity Training Kit (PhoST-K) in Kannada
	<b>Objectives</b>	To develop a Language Proficiency test for Kannada -English Bilingual adults on the principle of primed LDT,to compare the performance of primed lexical decision in each of the Languages of the Bilinguals (Kannada -English),to compare performance of participants on self assessment questionnaire and primed LDT and to develop a yardstick for quick and objective online measurement of language proficiency.
	<b>Investigator(s)</b>	Dr. K.S. Prema.
	<b>Amount</b>	₹. 4, 64, 000/-
	<b>Status</b>	Completed.
	<b>Achievements in 2010-11</b>	Project report completed. PhoST Manual, CD and reference values are available for users.
7	<b>Title</b>	Patterns of recovery in CWS.
	<b>Objectives</b>	The objectives of the project are to determine with reasonable accuracy the proportion of children who persist in stuttering and those who recovery of their own accord (spontaneous recovery) and to determine the treatment related factors contributing to recovery in CWS and isolating factors that govern or influence persistency and remission.

	<b>Investigator(s)</b>	Dr. Y.V. Geetha & Ms. Sangeetha Mahesh.
	<b>Amount</b>	₹4.71 lakhs.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Appointed new project staff and continued data collection, analysis and writing report.
<b>8</b>	<b>Title</b>	Variables contributing to Relapses in Individuals With Stuttering.
	<b>Objectives</b>	To identify the proportion of children and adult PWS who exhibit relapses, to identify the nature of such relapses such as whether it is complete or partial, probable duration after which relapses occur and to identify the factors contributing to relapses in the management of PWS.
	<b>Investigator(s)</b>	Dr. Y.V. Geetha, Ms. Sangeetha Mahesh & Mr. Sachin L.C.
	<b>Amount</b>	₹4.71 lakhs.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Appointed new project staff and continued data collection, analysis and writing report.
<b>9</b>	<b>Title</b>	Treatment efficacy with Response Cost for CWS.
	<b>Objectives</b>	To determine the effectiveness of response cost method and its long term effects in subgroups of children with stuttering, and to determine the possible client related variables influencing stuttering therapy outcome.
	<b>Investigator(s)</b>	Ms. Sangeetha Mahesh & Dr. Y.V. Geetha.
	<b>Amount</b>	₹4.44 lakhs.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Appointed new project staff and continued data collection, analysis and writing report.
<b>10</b>	<b>Title</b>	Development & Evaluation of curriculum for speech-language transcription.
	<b>Objectives</b>	To develop a Language Proficiency test for Kannada -English Bilingual adults on the principle of primed LDT, to compare the performance of primed lexical decision in each of the Languages of the Bilinguals (Kannada -English), to compare performance of participants on self assessment questionnaire and primed LDT and to develop a yardstick for quick and objective online measurement of language proficiency.
	<b>Investigator(s)</b>	Dr. K.S. Prema, Dr. Peribhaskar Rao, University of Tokyo, Japan
	<b>Amount</b>	₹. 3, 94, 000/-.
	<b>Status</b>	Project work completed.
	<b>Achievements in 2010-11</b>	Project report completed. But, study manuals are edited. Training program with the proposed curriculum to be initiated.
<b>11</b>	<b>Title</b>	Digital tutorial for pre reading skill training. (A supplement to the intervention module for preschool children with communication disorders.)
	<b>Objectives</b>	To develop a video tutorial as a supplement to the manual to enhance pre-reading skills and to evaluate the efficacy of the digital tutorial in training the special educators, SLP's and Parents/Caregivers in pre reading skills for children with special needs.
	<b>Investigator(s)</b>	Dr. N.Swapna, Prof. K.S. Prema & Prof. Y.V. Geetha.
	<b>Amount</b>	₹. 5,41,000 /-
	<b>Status</b>	Ongoing.



<b>Achievements in 2010-11</b>	Reviewed literature on Script writing and making of educational videos and prepared the script for 150 activities in the manual. Agency was Identified and finalized the formalities for video recording and 50% of the video recording of the activities has been completed.
<b>12 Title</b>	Development of a test for Assessment of Bilingual Proficiency through Lexical Priming task (for Hindi - English Bilingual adults)
<b>Objectives</b>	To develop a Language Proficiency test for Hindi-English Bilingual adults on the principle of primed LDT, to compare the performance of primed lexical decision in each of the Languages of the Bilinguals (Hindi-English), to assess if the nature of words (concrete vs. abstract) plays a role in defining proficiency, if they are employed in LDT, to compare performance of SLP and Non SLP's on LDT task and to develop a yardstick for quick and objective measurement of language proficiency.
<b>Investigator(s)</b>	Dr. K.S. Prema.
<b>Amount</b>	₹. 5, 94, 000/-
<b>Status</b>	On going.
<b>Achievements in 2010-11</b>	Collection of abstract and concrete words in Hindi, English and Kannada to develop prime and target stimuli for the study. All the words were subjected to verification by experts for familiarity, abstractness and concreteness. The words were programmed using DMDX software. Pilot study was done on 6 adults after which data was collected on 42 participants. Partial analysis of the data was done. In addition, prepared a revised version of Language History Questionnaire (LHQ) suitable for Indian population. Related review of literature was also collected through Journal articles, online resources and Dissertations.
<b>13 Title</b>	Development and Evaluation of Center-based Service Delivery Model for children with Learning Disability- PHASE I.
<b>Objectives</b>	Development/compilation of text/audio/ video/digital resources: to create public awareness on LD amongst different groups in the society including parents, teachers, medical practitioners, school administrations, NGOs, etc., Training policy makers, heads of schools, special educators and regular teachers on the significance of imparting specialized training in classroom set-up for children at-risk/or those identified as having learning disability, compilation of Tests and tools for early identification through screening and diagnostic procedures (including identification of subtypes of children with LD) and to finalize the resources for center-based service delivery on the principles of RTI for children with LD.
<b>Investigator(s)</b>	Prof. K.S. Prema & Dr. Jayashree. C. Shanbal.
<b>Amount</b>	₹. 5, 50,000-00.
<b>Status</b>	Compilation of existing assessment materials used for children with Learning Disability along with review supporting the study.
<b>Achievements in 2010-11</b>	Collected protocols/ screening tests/ diagnostic tests/ online assessment materials/ softwares available for the assessment/early identification of children with Learning disability by SLPs, School teachers and parents/caregivers. Assessment materials are collected from various sources i.e. Departmental projects, Independent projects, Dissertations, Thesis, Tests available in the Institute at various departments (Clinical

Services, Speech-Language Pathology, Psychology and Audiology) and Internet. Compilation of each test in a uniform format is in progress. In addition, review materials from journal articles, books and web sources in support to the present study are also being compiled.

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| <p><b>14 Title</b></p> <p><b>Objectives</b></p> <p><b>Investigator(s)</b></p> <p><b>Amount</b></p> <p><b>Status</b></p> <p><b>Achievements in 2010-11</b></p> | <p>Effects of Semantic and Syntactic Treatments in Bilingual Stroke Survivors.</p> <p>To Study the influence and effectiveness of cognitive linguistic model – based syntactic and semantic treatments in Kannada-English bilinguals and to establish normative data on some linguistic parameters in the realm of semantics and syntax.</p> <p>Dr. G. N. Rangamani and Dr K. S. Prema.</p> <p>₹. 5,94,000.</p> <p>On-going.</p> <p>Detailed assessment of 15 stroke survivors has been made. Out of the 15 participants, 3 were evaluated in detail for linguistic deficits. Further, out of the remaining 12, 3 participants were treated for 2 months each using cognitive-linguistic based treatment approaches. Since considerable gain was documented in their progress, they were discharged. Further, 8 stroke survivors were treated using various semantic and syntactic treatment approaches. All 15 participants who have been recruited for cognitive-linguistic therapy have been very motivated and have shown various levels of improvements and some are continuing to show gains. Planned, developed and implemented one group therapy session for both stroke survivors and their care-givers. Translated and /or converted into Kannada/Hindi some of the items of tests such as the VAST, ANT and PALPA wherever found necessary. Family members are encouraged to associate with the program in order to continue to help the stroke survivors after discharge from the services.</p> |
| <p><b>15 Title</b></p> <p><b>Objectives</b></p> <p><b>Investigator(s)</b></p> <p><b>Amount</b></p> <p><b>Status</b></p> <p><b>Achievements in 2010-11</b></p> | <p>Computerized Analysis of phonological processes in Malayalam (CAPP-M).</p> <p>To develop an indigenous computer based software to assess the phonological processes in native Malayalam speaking children.</p> <p>Dr. N Sreedevi.</p> <p>₹. 4,81,000/-</p> <p>On going.</p> <p>Data collection and Data Transcription was completed. Data analysis and Review in progress.</p>   |
| <p><b>16 Title</b></p> <p><b>Objectives</b></p> <p><b>Investigator(s)</b></p> <p><b>Amount</b></p> <p><b>Status</b></p> <p><b>Achievements in 2010-11</b></p> | <p>The phonetic characteristics of babbling in Kannada.</p> <p>To study the development of babbling longitudinally in infants</p> <p>Dr. N Sreedevi .</p> <p>₹. 3,80,000/-</p> <p>On going.</p> <p>Data collection and review ongoing. Editing and analysis of 4 infants completed.</p>   |
| <p><b>17 Title</b></p>  | <p>Efficacy of multidisciplinary preparatory services of AIISH in mainstreaming children with communication disorders.</p>  |

	<b>Objectives</b>	To survey the impact of multidisciplinary early intervention services offered at AIIISH.
	<b>Investigator(s)</b>	Dr. Vijayalakshmi Basavaraj, Dr. N Sreedevi & Mr. C. B. Suresh.
	<b>Amount</b>	₹. 3,32,000/-
	<b>Status</b>	On going.
	<b>Achievements in 2010-11</b>	Data collection completed. Data entry and Review in progress.
18	<b>Title</b>	Effect of palatal obturator on speech.
	<b>Objectives</b>	To understand the acoustic and perceptual effects of palatal obturator in cleft palate individuals.
	<b>Investigator(s)</b>	Dr. M. Pushpavathi and Dr. N Sreedevi.
	<b>Amount</b>	₹. 4,98,000/-
	<b>Status</b>	On going.
	<b>Achievements in 2010-11</b>	Data collection completed. Data analysis and review in progress.
19	<b>Title</b>	Measurements of vocal doses using ambulatory phonation monitor (APM) in primary school teachers.
	<b>Objectives</b>	To measure and document the three vocal doses. The objectives of the project are to measure (a) time dose, (b) cycle dose and (c) distance dose for daily and weekly vocalization of primary school teachers.
	<b>Investigator(s)</b>	Mr. R. Rajasudhakar and Mr. L. C. Sachin.
	<b>Amount</b>	₹. 3, 23, 000.
	<b>Status</b>	On-going.
	<b>Achievements in 2010-11</b>	A pilot study was conducted by recording the speech sample in the field settings of lecturers, and special educators to comprehend the utility of the device (APM) and problems encountered. A scientific research article was prepared and presented in International Symposium on Frontiers of Research on Speech and Music (FRSM-2011).
20	<b>Title</b>	Neuro-physiology correlates of voice onset time in Kannada and Tamil speaking individual using N1 evoked potential
	<b>Objectives</b>	The behavioral response for VOT continuum in native Kannada and Tamil speakers, the neuro-physiological changes for VOT continuum in native Kannada and Tamil speakers, the existence and the reliability of double peak (morphological change in N1) with the change in stimulus property, the behavioral and neuro-physiological response differences in two Dravidian languages (Kannada* and Tamil <sup>§</sup> ), and the neuro-physiological changes for non-speech stimuli that mimic the speech stimuli.
	<b>Investigator(s)</b>	Mr. Jayakumar T and Dr. Vijaya Kumar Narne.
	<b>Amount</b>	₹ 3,23,000.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Review work and data collection is in progress.
21	<b>Title</b>	Auditory processing in person with stuttering: using non-linguistic and linguistic stimulus.
	<b>Objectives</b>	To investigate the degree of auditory processing ability in AWS with complex non-linguistic speech like stimulus and simple speech stimulus.
	<b>Investigator(s)</b>	Jayakumar T , Dr. Geetha Y V and Dr. Vijaya Kumar Narne.
	<b>Amount</b>	₹ 3,23,000.
	<b>Status</b>	Ongoing.
	<b>Achievements in 2010-11</b>	Review work and data collection is in progress.

## B. Post-doctoral Research

One postdoctoral program is going on in the department as given in table 54.

Table 54: Post Doctoral Research.

Candidate	Topic	Guide
Dr. Mahalakshmi Prasad	Development of spoken Language Lexical corpora in Kannada.	Dr. K.S. Prema

## C. Doctoral Research

The details of doctoral level research programs carried out in the department are given in table 55.

Table 55: Doctoral Research.

Sl. No.	Candidate	Topic	Guide	Status
1	Ms. Powlin Arockia Catherine S.	Effect of temporal and spectral variations on phoneme identification skills in late talking children.	Dr. S.R. Savithri	Degree Awarded
2	Ms. Yeshoda K.	Importance of some spectral and temporal parameters in speaker identification.	Dr. M. Jayaram	Thesis Submitted
3	Ms. Jayashree Shanbal	Acquisition of biliteracy in children.	Dr. K.S. Prema	Viva-Voce conducted
4	Ms. Anjana. B. Ram	Disfluencies in 2.1-6 year old Kannada speaking children.	Dr. S.R. Savithri	Ongoing
5	Mr. Jayakumar T	Voice characteristics in monozygotic twins.	Dr. S.R. Savithri	Ongoing
6	Mr. Rajasudhakar R.	Voicing periods in daily and weekly speech in primary school teachers: Occupational voice measurements (time dose).	Dr. S.R. Savithri	Ongoing
7	Ms. Sangeetha Mahesh	Linguistic analysis of bilingual CWS.	Dr. Y.V. Geetha	Ongoing
8	Ms. Sarika Khurana	Development of Emergent literacy in Kannada speaking English Language learners.	Dr. K.S. Prema	Ongoing
9	Mr. Kuppuraj.K	Procedural memory deficit in specific language impairment : An exploratory study.	Dr.K.S.Prema	Ongoing
10	Mr. Abhishek	Lexical semantic processing in persons with bilingual aphasia.	Dr. K.S. Prema	Ongoing
11	Ms. Prarthana. S	Mental lexicon of nouns and verbs in Adult Speakers of Kannada.	Dr. K.S. Prema	Ongoing
12	Ms. Pravesh Arya	Speech and Non Speech Characteristics of recovered and relaxed PWS following treatment.	Dr. Y.V. Geetha	Ongoing

## D. Postgraduate Research

The details of postgraduate research works carried out ( M.Sc. Speech Language Pathology, and PGDFSST) during the preceding year are given in table 56.

Table 56: Postgraduate Research Works.

S.No.	Candidate	Topic	Guide	Status
1	Ms. Aparna, V.S	Benchmark for speaker identification using glottal source parameter in Hindi speakers.	Dr.S.R.Savithri	Completed
2	Ms. Deepa Anand	Re-standardization of KAT	Dr.S.R.Savithri	Completed
3	Ms. Divya P	Articulatory acquisition in Malayalam speaking urban children: 2-3 years.	Dr. N. Sreedevi	Completed
4	Ms.Jasmin Malik	Attitudes and coping strategies in adults with stuttering.	Dr. Y.V. Geetha	Completed
5	Ms. Jyoti S	Benchmark for speaker identification using LTAS in Kannada speakers.	Dr.S.R.Savithri	Completed
6	Ms. Merin John	Computerized assessment tool for phonological processes: A preliminary study.	Dr. N. Sreedevi	Completed
7	Ms. Nisha Sudhi	Gender differences in the nature of disfluencies in children with stuttering.	Dr. Y.V. Geetha	Completed
8	Ms. Ranjini M	Effect of training on voice of Carnatic singers.	Dr.S.R.Savithri	Completed
9	Ms. Shweta C	Vocal load in UG students of SLP	Dr.S.R.Savithri	Completed
10	Ms.Tiffy George Roy	Usefulness of Cognitive cueing in Eliciting Vocal Variability and Vocal Naturalness.	Ms. K. Yeshoda	Completed
11	Ms.Usharani K	Articulatory acquisition in Telugu speaking urban children: 2-3 years.	Dr. N. Sreedevi	Completed
12	Ms.Yashaswini R	Linguistic and metalinguistic abilities in children with and without stuttering.	Dr. Y.V. Geetha	Completed
13	Ms. Chandrika. M.N.	The influence of handsets and cellular networks on the performance of a speaker verification system.	Dr. T.V. Ananthapadmanabha	Completed
14	Ms. Medha Sharma	Benchmarking for speaker identification by cepstrum measurement using text independent data.	Dr.S.R. Savithri	Completed
15	Ms. Srividya.C	Speaker identification using Kannada language.	Dr.S.R. Savithri	Completed
16	Ms. Swapnaja	Does perception and production of Emotive Intonation differ in children with LD with and without CAPD?	Dr. Y.V. Geetha	Ongoing

17	Ms. Madhuben	Is Bilingualism detrimental for children with Autism?	Dr. Y.V. Geetha	Ongoing
18	Ms. Priyanka Parakh	ASD – Some epidemiological issues.	Dr. Y.V. Geetha	Ongoing
19	Ms. Sindhu V	Satisfaction of parents of CWHI reg. services received.	Dr. Y.V. Geetha	Ongoing
20	Ms. Sangeetha. G	Effect of Consonants on vowel duration in Tamil.	Dr.S.R. Savithri	Ongoing
21	Ms. Lakshmi P	Bench Mark for speaker identification in Telugu for Nasal continuants.	Dr.S.R. Savithri	Ongoing
22	Ms. Ramya R	Effect of post vocalic consonants on vowel duration in Malayalam.	Dr.S.R. Savithri	Ongoing
23	Ms. Kavitha	Novel word learning in simultaneous and sequential bilinguals vs. Monolinguals.	Dr. K.S. Prema	Ongoing
24	Ms. Neha L	Digital Literacy Coach to promote oral language and early literacy (For SLP's, Teachers and Caregivers).	Dr. K.S. Prema	Ongoing
25	Mr. Madhu	Communication Development Inventory for Infants.	Dr. K.S. Prema	Ongoing
26	Ms. Ranjini	Rapid automatized naming-Kannada (RAN-K) in 5-7 year old typically developing children.	Dr. K.S. Prema	Ongoing
27	Ms. Deepti . M.K	Voice Characteristics in transsexual individuals.	Ms. K. Yeshoda	Ongoing
28	Ms. Vrinda. R	Articulatory acquisition in typically developing Malayalm speaking children – 5-6 years.	Dr. N. Sreedevi	Ongoing
29	Ms. Vipina. V.P	Articulatory acquisition in typically developing Malayalm speaking children – 4-5 years.	Dr. N. Sreedevi	Ongoing
30	Ms. Neenu Sobhan	Articulatory acquisition in typically developing Malayalm speaking children – 3-4 years.	Dr. N. Sreedevi	Ongoing
31	Mr. Nirmal Sugatan	Nasal consonant production in individuals with Broca's and Wernicke's Aphasia – an acoustic study.	Mr. Rajasudhakar	Ongoing
32	Ms. Ranjini G.C	Rapid automatize naming – Kannada in 5-7 year old typically developing children.	Mr. Rajasudhakar	Ongoing
33	Ms. Nilanjana M K	Dysphonia severity index for Dysphonia in Indian population.	Mr.Jayakumar. T	Ongoing

## **E. Research Publications/Presentations**

### **E.1 International Conference Presentations**

1. Rajasudhakar R. & Nirmal Sugathan. Acoustic vowel space in individuals with Broca's aphasia. Joint International Symposium on Frontiers of Research on Speech and Music and Computer Music Modelling and Retrieval (FRSM/CMMR). Bhuvaneshwar, 9-12 March 2011.
2. Rajasudhakar R, Baljeet Rana & Nayana. Variability of fundamental frequency under voice disguised condition. Joint International Symposium on Frontiers of Research on Speech and Music and Computer Music Modelling and Retrieval (FRSM/CMMR). Bhuvaneshwar, 9-12 March 2011.
3. Rajasudhakar R, Sachin L. C & Somy E Sam. Measurement of time dose in different professions. Joint International Symposium on Frontiers of Research on Speech and Music and Computer Music Modelling and Retrieval (FRSM/CMMR). Bhuvaneshwar, 9-12 March. 2011.
4. Savithri S.R, Sreedevi N, Aparna V.S & Deepa Anand. Effect of gender on speech rhythm in 3-4 year old Kannada speaking children. Joint International Symposium on Frontiers of Research on Speech and Music and Computer Music Modelling and Retrieval (FRSM/CMMR). Bhuvaneshwar, 9-12 March 2011.
5. Savithri, S.R, Sreedevi N, Aparna V.S & Deepa Anand. Speech rhythm in 11-12 years old Kannada speaking children. Joint International Symposium on Frontiers of Research on Speech and Music and Computer Music Modelling and Retrieval (FRSM / CMMR). Bhuvaneshwar, 9-12 March 2011.
6. Sreedevi N, Aparna V.S & Manju M. P. Effects of speaking rate on formant frequencies and duration of vowels in malayalam. Joint International Symposium on Frontiers of Research on Speech and Music and Computer Music Modelling and Retrieval ( F R S M / CMMR ) . Bhuvaneshwar, 9-12 March 2011.
7. Sreedevi N, Reuben T. V & Aparna V S. A comparison of spectral characteristics of vowels in malayalam across mobile phone and live recordings. Joint International Symposium on Frontiers of Research on Speech and Music and Computer Music Modelling and Retrieval (FRSM/CMMR). Bhuvaneshwar, 9-12 March 2011.

### **E. 2 National Conference Presentations**

1. Santosh M, Anusha S. & Rajashekhar B. Prevalence of voice problems in university teachers. 7th Annual Conference of Association of Phonosurgeons of India (PHONOCON). The Army Hospital (Research & Referral) New Delhi, 25-27 February 2011.
2. Yeshoda K. Prevention of voice problems : Vocal abuse reduction program. National Workshop on Professional Voice Assessment and Management. All India Institute of Speech & Hearing, Mysore ,9-10, December 2010.

### **E. 3 National Journal Publications**

1. Jayakumar T. & Savithri S.R. (2010). Respiratory similarity in monozygotic twins. Journal of All India Institute of Speech and Hearing, V.29 (1).
2. Rajasudhakar R. & Savithri S. 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, V. 29 (2).

3. 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, V.63.
4. 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, V.29(2).
5. 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, V.29 (1).
6. 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, V. 29 (1).
7. 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, V. 29 (2).

#### **E. 4 In-house Publications**

The details of research papers published by the faculty members and students of the department in 'Student Research at AIISH , 2009-10, Volume VIII, Part B-Speech Language Pathology' are given below.

1. Aparna V.S. and S.R. Savithri. Benchmark for speaker identification using glottal source parameter in Hindi speakers. pp23-29.
2. Deepa Anand and S.R. Savithri. Re-standardization of Kannada articulation test.pp.53-55.
3. Divya P and N Sreedevi. Articulatory acquisition in typically developing Malayalam speaking children: 2-3years. pp.281-290
4. Jasmine, M.and Y.V. Geetha. Attitudes, Anxiety and Coping in Persons With Stuttering.pp 81-90.
5. Jyothi S. and S.R. Savithri. Benchmark for speaker identification using Long term average spectrum in Kannada speaking individuals. pp.90-97
6. Merin J. and N Sreedevi. Computer- based assessment of Phonological process (CAPP-M) in Malayalam: A preliminary attempt. pp.167-175
7. Nisha, S. and Y.V. Geetha. Gender differences in the nature of disfluencies in Children With Stuttering.pp190-99.
8. Ranjani Mohan and S.R. Savithri. Effect of training on voice of carnatic classical singers.pp 205-209
9. Shwetha C. and S.R. Savithri. Vocal load in undergraduate students of Speech and Language Pathology. pp.253-262.
10. Tiffy George Roy and K. Yeshoda. Usefulness of cognitive cueing in eliciting vocal variability and vocal naturalness. 281-290.
11. Usharani K and N Sreedevi. Articulatory acquisition in typically developing Telegu speaking children: 2-3yrs. pp.291-301.
12. Yashaswini, R and Y.V. Geetha. Linguistic and Meta-linguistic skills in Children With Stuttering.pp302-10.



## E. 5 Books/Book Chapters Published

1. 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 - A UNICEF project. Published by Books for Change publishers and National Trust, Bangalore.
2. 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 - A UNICEF project. Published by Books for Change publishers and National Trust, Bangalore.
3. 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 - A UNICEF project. Published by Books for Change publishers and National Trust, Bangalore.
4. 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 -A UNICEF project. Published by Books for Change publishers and National Trust, Bangalore.
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 Telugu. As a part of Production of Language Training Materials in ten major Indian Languages :A UNICEF Project. Published by Books for Change publishers and National Trust, Bangalore.
6. Prema K.S & Shyamala K.C. (2010). Chapter titled *Language processing in bilinguals and biliterates*. In Special volume *Cognitive initiatives*. Published by DST,New Delhi.

## CLINICAL SERVICES

### A. General Clinical Services

The diagnostic services and therapy supervision provided by the department during the reporting year are given in table 57 and figures 43-44.

Table 57: Diagnostic and Therapeutic Services.

Unit	Diagnostic cases	Therapy cases	Therapy Sessions
Voice	87	106	219
Phonology	67	58	284
Fluency	109	66	481
Language	376	360	1340
PVC	05	1	01
<b>Total</b>	<b>624</b>	<b>591</b>	<b>2325</b>

Figure 43: Therapy Cases.

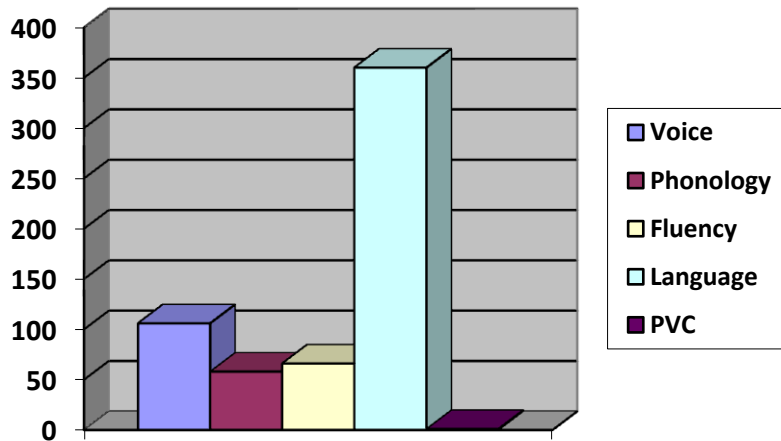
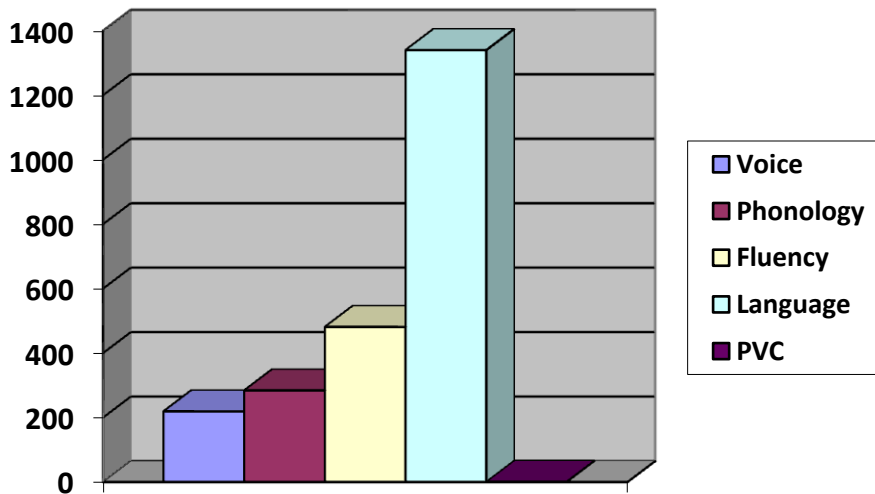


Figure 44: Therapy Sessions.



## B.Specialized Clinical Services

### B. 1 Professional Voice Care Centre

The details of activities carried out by the Professional Voice Care Centre during the reporting year are given in table 58.

Table 58: Activities of Professional Voice Care Centre.

Students trained		
Course	Number of Students	Training Hours
Interns	42	1356
M.Sc (SLP)	40	570
PGDFSST	30	521
<b>Total</b>	<b>112</b>	<b>2447</b>
Diagnostic and Therapeutic Details		
Diagnostics		5
Therapy		1

## FACULTY AND STAFF ENGAGEMENTS

**Dr. S.R. SAVITHRI**

### Positions Held

- Director.
- Head of the Department, CREDM.
- Coordinator, DHLS Centre, Mysore.
- Member, BOS (Sp & Hg), University of Mysore.
- Chairperson, Land records committee.
- Chairperson, Recruitment rules committee.
- Chief Vigilance Officer.
- Member, Selection committees.
- Chairperson, Auction committee.
- Member, Doctoral Committees.
- Member, Building Committee.
- Chairperson, Committee for preparation of MACP for administrative staff.
- Chairperson, Fluency Unit.
- Member, Text to Speech consortium, Dept. of Information Technology, Govt. of India.
- Member, South Asia Chapter of International Speech Communication Association.
- Member, Board of Editors, The Journal of All India Institute of Speech and Hearing.
- Editor, Proceedings of the 'National workshop on 'Professional Voice: Assessment and Management'.
- Member, Board of Editors, Journal of the Acoustical Society of India.

### Other Curricular and Extra-Curricular Engagements .

- Organized National workshop on 'Professional Voice: Assessment and Management'.
- Delivered a guest lecture on 'Research designs in stuttering' at Pre-conference CEP program in ISHACON, at Kolkata on 20<sup>th</sup> January 2011.
- Prepared the manual titled 'Train your child-Level 1'.

**Dr. Y. V. Geetha**

### Positions Held

- Head of the Department.
- Member, Board of Editors, The Journal of All India Institute of Speech and Hearing.
- Member, Sexual harassment committee.
- Vice President, AIISH Gymkhana.
- Member, Fluency Unit.
- Chairperson, Professional Voice Care unit.
- Chairperson, Newsletter committee.
- Chairperson, Committee to scrutinize applications for Group A posts.
- Member, Committee to review entrance exam question papers.
- Member Secretary, Internal Research committee for evaluation of ARF projects.
- Member, Committee of digital speech, language and hearing encyclopedia.
- Member, Doctoral committee for 5 Ph D fellows.

- Member, BOE, Mangalore University.
- Member, BOE, Mysore University.
- Chairperson, Committee for the scrutiny of applications for various contract posts.
- Member, Dravidian Linguistic Association.
- Member, Indian Speech and Hearing Association.

### **Other Curricular and Extra-Curricular Engagements**

- Delivered Public Lecture on 'Stuttering in children' on 28.8.2010.
- Delivered lecture on 'Recovery, relapse and management of stuttering' at Pre-conference CEP program in ISHACON, at Kolkata.
- Delivered lecture on 'Treatment efficacy in stuttering' at Pre-conference CEP program in ISHACON, at Kolkata.
- Reviewed Project proposal from AYJNIHH and sent report.
- Constituted Gymkhana screening committees for sanctioning loans to staff and students.
- Reviewed 3 DST project proposals and submitted reports.
- Prepared and submitted M.S.Ed syllabus for CBCS.
- Reviewed 8 scientific papers for ISHA conference presentations.

### **Prof. K.S.PREMA**

#### **Positions Held**

- HOD, Special Education.
- Vice President, Gymkhana, AIISH.
- Member, International Reading Association, USA.
- Life member, Dravidian Linguistic Association.
- Life member, Indian Speech and Hearing Association.
- Member, Editorial Board Indian Journal of Applied Linguistics.
- Member, Editorial Board LF Journal.
- Member, Fulbright State Alumni Association.
- Member, 'Women in Science'.
- Member, Internal evaluation/review committee for ARF project.
- Member, Board of Editors, The Journal of All India Institute of Speech and Hearing.
- Member, Ph.D Colloquium committee.
- Member, BOS (Ed)-PG, University of Mysore.
- Member, BOE (Speech and Hearing), University of Mysore.
- Member of BOS-PG (Education), University of Mysore.
- Member, ASD Unit.
- Member, LD Unit.
- Member, Core committee, Quasi-distance mode PG course in speech language & hearing.
- Member, Digital speech language and hearing encyclopedia.
- Member,, Expert Committee for course and syllabus structure of PG Diploma in AAC.
- Member of Entrance Examination question paper setting/scrutiny committee.
- Chairperson, Scientific Committee for the National Symposium on exploring areas of research in cognitive science.

## **Other Curricular and Extra-Curricular Engagements**

- Edited resource material for training students on IPA
- Preparation of Audio-video resource material for sensitizing teachers on emergent literacy.
- Delivered a radio talk on bilingualism.
- Edited 5 manuals for ARF project of transcription.
- Edited the Instructor manual on 'Sensitivity training on academic problems in primary school children enrolled under SSA in Karnataka'.
- Served as a reviewer for ISHA abstracts.
- Coordinated the conduct of workshop on Management of children with multiple disabilities in inclusive and special set-up on 16.3.2011.
- Participated in the 'National Meet of Rehabilitation Experts 2011'.
- Participated in the Symposium on Education on the Global Front conducted as a part of International Education Week held on 19<sup>th</sup> November, 2010 in collaboration with USIEF, Chennai.
- Coordinated the conduct of Children's day at the Dept. of Special Education on 15-11-2010.
- Coordinated the conduct of workshop on Importance of selection of medium of instruction after preschool training and curricular support through mother tongue on 18.3.2011.
- Served as Chief Guest for celebration of Women's Day by "Sneha Bharathi", women's organization at Mysore on 12.3.2011.
- Coordinated the launch of LiBoToy in the Dept. of Special education.
- Participated in the National Meet of Rehabilitation Experts 2011 organized by RCI at Chandigarh on 24-25 March, 2011.
- Served as reviewer for JISHA, JAISH papers and ARF project report.
- Served as a reviewer for ISHA abstracts.

### **Dr. N. SRIDEVI**

#### **Positions Held**

- Hostel Warden, AIISH Ladies Hostel.
- Member Secretary, Catering committee, Open day 2010.
- Member, Library committee.
- Member, Committee for scrutinizing of group A and B application.
- Member, Committee for preparation of M. Sc entrance questions.

#### **Other Curricular and Extra-Curricular Engagements**

- Delivered guest lecture on 'phonetics' at BGS. B. Ed College, Mysore on 5 October 2010.
- Compiled the CBCS syllabus for M. Sc (SLP).
- Reviewed scientific articles for 43<sup>rd</sup> ISHACON held at Kolkata, 2011.

### **Ms. K. YESHODA**

#### **Positions Held**

- Coordinator, The Journal of All India Institute of Speech and Hearing.
- Mentor, II M. Sc (SLP), PGDFSST and II B. Sc students.

- Member, Entrance Examination Committee - BASLP & M. Sc (SLP/AUD) 2010.
- Member Secretary Exhibition Committee, Open Day.
- Member, Professional Voice Care Center.
- Member, Selection Committee for the post of Special Educators.
- Member, Entrance Examination Committee 2010.
- Member, Selection Committee for candidates for 1 year BASLP course.

#### **Other Curricular and Extra-Curricular Engagements**

- Delivered guest lecture on 'Analysis of Voice' at National Seminar on "Analysis of Voice" (RCI CRE) at SRCISH, Bangalore on 26<sup>th</sup> – 28<sup>th</sup> August 2010.
- Delivered guest lecture on 'Clinical Voice Evaluation at 7<sup>th</sup> annual conference of Association of Phonosurgeons of India, organized by the Department of ENT – HNS, Army Hospital (Research & Referral), Delhi on 25 – 27 February 2011.
- Made forensic speaker verification for the Vinobhanagar Police Station, Shimoga.
- Won 2<sup>nd</sup> runners up prize in the Quiz program conducted at Phonocon 2011 for phonosurgeons and speech-language pathologists.
- Compiled CBCS syllabus for M. Sc (SLP) voice and its disorders.
- Reviewed 8 scientific articles for 43<sup>rd</sup> ISHACON held at Kolkata, 2011.

#### **Mr. R. RAJASUDHAKAR**

##### **Positions Held**

- Member, Professional Voice Care Center.
- Assistant Hostel Warden, Gents Hostel.

#### **Mr. T. JAYAKUMAR**

##### **Other Curricular and Extra-Curricular Engagements**

- Public Lecture on 'voice and voice care' on 29 January 2011.

#### **Dr. SANTOSH. M**

##### **Other Curricular and Extra-Curricular Engagements**

- Delivered public lecture on 'Management of Voice in Throat Cancer' on 26 February 2011.
- Peer-reviewed articles for the 'Journal of Indian Speech and Hearing Association'.

# 4

## CENTRAL FACILITIES

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### LIBRARY AND INFORMATION CENTRE (LIC)

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:

#### A. 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.

##### a) Print Books and Bound Volumes

The majority of the print collection of the LIC is constituted of books and bound volumes of periodicals. The library has the largest collection of Communication Disorders related books and bound volumes in the country. During the preceding year it has added 741 books to the collection which is the highest figure in the last 3 years. The most significant print collection expansion this year was the introduction of base collections of English Literature, Communicative English and Information Technology books.

##### b) Print Journals

The LIC has subscribed 64 print journals and majority of them are foreign journals. Of these, five print journals have subscribed newly and the remaining are renewed subscriptions.

##### c) E-Books

The LIC has introduced E-books in its collection for the first time by procuring 136 titles from 4 major publishers in the field, namely Taylor and Francis, Elsevier, Cambridge University Press and Wiley Black. All the titles are pertaining to various aspects of communication disorders.

##### d) 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 have subscribed newly for the year and these include 'Hearing

Research' a reputed journal in the field of Audiology. 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.

**e) Online databases**

Like E-Books, 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 (1) ComDisDome, an indexing and abstracting database covering the communications disorders literature, with focus on speech-language pathology and audiology. (2) Linguistics and Language Behaviour Abstract, a bibliographic database that covers international literature in linguistics and related disciplines in the language sciences. It includes all aspects of the study of language like phonetics, phonology, morphology, syntax and semantics.

**B. Traditional Information Services**

The major traditional information services provided by the LIC during the year under report were the following:

**a) Reference Service**

The Library and Information professionals provided assistance to hundreds of users in matters like locating required information, evaluating the information resources and usage of resources. They answered various reference queries in person, via e-mail and over phone during the reporting year.

**b) Book Lending Service**

Like previous years, the book lending was the most sought after service of LIC during the reporting year. On an average, 200 books were issued daily to the users during the year.

**c) Reprographic Service**

This is one of the most heavily used library service during the reporting year. Thousands of library materials were reproduced daily on payment basis under this service. Only the library materials were permitted to copy and reproducing complete document was prohibited as it violated Copy right Act.

**C .Electronic Information Services**

LIC provided two categories of electronic information services during the reporting year. These are: (1) Internet Service (II) Web portal based services

**a) 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.



## **b) 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). Some of them are listed below:

**Access to Digital Research Repository:** The institutional digital repository developed and maintained by the LIC continued to raise the visibility of the research work done at AIISH to scholars around the world. By the end of reporting year, there were nearly one lakh pages of research reports in the repository.

**Online Public Access Catalogue Service:** The bibliographic details of over 17,000 books and bound volumes of periodicals were made available over the web during the reporting year. Thus the users all over the world can search the information resources of the institute using search terms like author, title, publisher, and keywords.

**Access to E-Journals, E-books and Online Databases:** All the subscribed E-journals, E-books and Online databases have hyperlinked through the web portal. In addition to the subscribed resources, the portal also provides access to high quality information resources pertaining to Communication Disorders which are available free of cost over the web like 'REHABDATA' a leading literature database on disability and rehabilitation published by National Rehabilitation Information Center, USA.

## **D. Library Automation**

The automation of in-house library operations has completed using the integrated library management system software 'Book Magic', during the year. Bibliographic details of 17,138 books and bound volumes have entered into the software database and the OPAC module of the software was activated to search the details.

## **E. Digitization of Research Reports**

During the reporting year more than 1000 pages of research papers have been digitised and uploaded to the repository. These include PG dissertations and other project works done at the institute.

## **F. Library Visits**

More than 1000 students, research scholars and faculty members from other Speech and Hearing Institutions across the country visited the LIC during the year under report.

## **G. Seminars/Conference papers presented**

Mr B Nandeesh, Senior Library and Information Assistant presented a paper entitled 'Information Literacy Meet Web 2.0: How the New Tools Influence our Own Training and Teaching' at the

National Seminar on Management of Digital Information Sources, Services and Systems, organized by RNS Institute of Technology, Bangalore, on 29-30 July 2010.

## PUBLIC INFORMATION OFFICE

Public information office of the institute keep citizens informed about the activities of the institute. The office performs media and public relations duties for the institute. The major activities of the office during the reporting year are the following:

**A. Press Release and Media Coverage:** The office issued more than 25 media releases on major events and significant achievements of the institute during the reporting year. Some of the media coverage the institute received for its activities and programs, last year are given below.

- a) Article on PG Diploma programs offered by the institute in 'The Times of India' daily on 24 June 2010
- b) Article on institute activities in 'The Mysore Mail', daily on 8 August 2010
- c) Article on re-designed institute website in 'Vijaya Karnataka' daily on 17 August 2010
- d) Article on academic programs offered by the institute in 'Prajavani', daily on 19 August 2010.
- e) Article on Diploma in Hearing Aid and Earmould Technology course offered by the institute in 'The Times of India' daily on 23 September 2010.
- f) A special television program on academic activities and clinical services offered by the institute on 'Kannada Kasturi TV' on and broadcasted the same during the month of October 2010.
- g) Article on institute's academic programs with special emphasize on the newly launched PG Diploma course in Neuro Audiology in 'Education Plus' supplement of 'The Hindu' daily on 4 October 2010.
- h) Article on institute activities and clinical services in 'Vartha Bharathi', daily on 10 November 2010.
- i) Article on LiBoToy, a preschool facility in the institute in 'The Hindu' daily on 3 December 2010.
- j) Article on Vertigo Clinic of the institute in 'Arogyavani' a special supplement of 'Udayavani', daily on 20 March 2011.

In addition, the following events taken place in the institute last year received wide media coverage

- Annual All India DHLS Coordinators' Meet.
- Foundation stone laying ceremony for 'Audiology Block'.
- Visit of delegates from the Korean Republic.
- Inauguration of Men's Hostel, 'BODHI.'
- 45th institute Anniversary.
- Launching of new course titled 'Postgraduate Diploma in Neuro-Audiology'.
- Inauguration of 'Ashoka' the International Guest House.
- Opening of Vertigo Clinic.
- Open Day celebrations.

- Observation of International Day of Persons with Disabilities.
- National workshop on 'professional voice: assessment and management'.
- National seminar on 'Paediatric hearing assessment and rehabilitation'.
- Visit of Shri. Dinesh Trivedi, Minister of State, Ministry of H&FW, Govt. of India.
- National level symposium on 'Evaluation and Management of Vestibular Problems'.
- Celebration of National Science Day.
- Institute cultural fest 'AAWAAZ 2011'.
- Workshop on 'Introduction to Matlab'.

**B. Publication and Distribution of Institute Publications:** The office coordinated the publication and distribution of the following institute publications.

- Journal of All India Institute of Speech and Hearing, Vol.29 Issue 1 & 2.
- Student Research at AIISH Volume VIII.
- Annual Report 2009-10.
- Brochures and posters related to the activities of various departments of the institute.

**C. Organization of Screening Camps for Communication Disorders:** The office organized 13 screening camps for communication disorders at the following places during the reporting year.

- Tarikere, Chickmagalur.
- Nanjangud, Mysore.
- Sultan Bathery, Wayanad, Kerala.
- T. Narasipura, Mysore.
- Periyapatna, Mysore.
- Makedhatu, Ramanagara.
- Labland Biotech, Mysore.
- T. Narasipura, Mysore.
- Hospet, Bellary.
- Devanur, Mysore.

## **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. The major programs organized by the Gymkhana last year are given below.

**Annual Day:** The institute celebrated its 45<sup>th</sup> anniversary on 9<sup>th</sup> August 2010. Prof. Rajasekharan Pillai, Vice-Chancellor, Indira Gandhi National Open University, Prof.Ramanada Shetty, Vice Chancellor, Rajiv Gandhi University of Health Sciences, Bangalore and Prof.Rangappa, Vice-Chancellor, Karnataka State Open University, Mysore were the chief guests. Dr.Lingadevaru Halemani, Director, Rangayana, and Nanda D, Kannada Litterateur were the chief guests for the cultural evening held at the same venue.

**Gandhi Jayanthi :** AIISH Gymkhana celebrated the Gandhi Jayanthi on 2<sup>nd</sup> October, 2010. As part of the celebrations, competitions were held for staff and student members of AIISH Gymkhana. The

function was special with the gracious presence of Shri Vedanta Hemmige, freedom fighter and Ex-MLA.

**Open Day:** AIIISH Open Day for the year 2010-11 was held on 29th October, 2010. It is being conducted for making awareness and educate the school and college students and the general public on speech production, hearing mechanism, prevention and management of communication disorders and vocal hygiene. The Open Day was inaugurated by Dr. N. Rathna, former Director of AIIISH. Dr. Prabha Mandal, Pediatrician was the guest of honor during the program. Various competitions were held including drawing, painting, pick and speak on various 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 participated in the program.

**Kannada Rajyotsava:** AIIISH Gymkhana celebrated Kannada Rajyotsava on 12th November 2010. As part of the celebrations, competitions were held for staff and student members of AIIISH Gymkhana on 9-11 November 2010. The competitions included folk song, poster making in Kannada and picture naming in Kannada. Shri H.K. Ramanath, dramatist and litterateur, Regional Institute of Education, Mysore was the chief guest during the occasion.

**Traffic Awareness Program :** Student members of AIIISH 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 on 13th February 2011. The street play was centred on the theme Rash driving- A road to life with handicap.

**Science Day:** AIIISH 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 staffs and students of AIIISH Gymkhana on 26th February 2011. Dr. Mewa Singh, Professor of Psychology and Dean, Science Faculty, University of Mysore graced the occasion as chief guest.

**International Women's Day:** International Women's Day was celebrated on 8th March 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, panel discussion was held on various issues related to multifaceted roles of women. The panel included students and staff members of the AIIISH Gymkhana.

**Cultural and Sports Competitions:** Cultural and sports competitions were conducted for students and staff. The items included dance (group and solo), singing (group and solo), rangoli draw, salad making, antakshri, flower arrangement, poem writing, pick and speak, cricket, volleyball, throw ball,

carrom, chess, shuttle badminton, shot-put throw, lemon race and slow cycling. The prizes were distributed on 12th March 2011 during AIISH Aawaaz 2011.

**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 11th March 2011. Mr. Prem, Kannada cine actor and Vid. Nandini Eshwar, danseuse 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 intercollegiate cultural competitions held to mark the event.

**Release of News Letter:** Kuhoo Kuhoo, the news letter of Gymkhana was revived and the first volume released on 11th March 2011 on the inaugural function of AIISH Aawaaz 2011.

## **NATIONAL SERVICE SCHEME**

The institute has a vibrant National Service Scheme unit with 167 enrolled volunteers. The unit delivered a number of commendable services to the AIISH community and the public last year. The notable among them include the following:

**Educational Programs :** The unit organised (a) Special coaching program on core subjects of speech and hearing to the needy students of the Institute, (b) Invited lectures on tips to prepare for and write in examination, (c) Public education on dos and don'ts while celebrating Diwali.

**Shramadan Activities:** 14 shramadan activities were conducted in various localities in Mysore city and inside the campus. The activities included (i) cleaning public places and making the citizens aware of hazards of accumulating plastic wastage, (ii) planting tree saplings in public places, (iii) blood donation, (iv) cleaning institute premises, and (v) production of paper bags.

**Special Camp:** The NSS unit conducted a special camp at Myrada Kaveri Pradeshika Samsthe, Hand post, H.D. Kote, with the motto healthy youth for healthy India from 26th February 2011 to 4th March 2011. 50 student volunteers participated in the camp, which was inaugurated by Sri. Druvanarayana, Member of Parliament from Chamarajanagara. The activities performed include door-to-door survey in the nearby 25 villages to identify individuals with communication disorders and rendering of clinical services at the camp to persons identified with communication disorders with the help of 13 speech and hearing practitioners from the institute. The services included ENT evaluation, distribution of medicine, audiological testing, hearing aid trial and fitting, issue of hearing aids, speech-language evaluation and therapy, psychological evaluation, issue of the disability certificates, issue of the earmoulds and counselling. Vanamahotsava programme was conducted at

Nemmanahalli village in which fruit bearing saplings were planted within the boundaries of houses of interested individuals who assured taking care of the plants. Cultural programmes including street play to create awareness on communication disorders among the villagers were also conducted.

**Other Activities:** The NSS unit also organized trekking, Inter-group cricket competition, literary, and cultural programs during previous year.

# 5

## ADMINISTRATIVE AND MAINTENANCE SECTIONS

### ADMINISTRATATION SECTION

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.

#### A. Personnel Management

**Staff Strength:** The institute had 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.

**New Recruitment:** A large number of personnel were appointed newly to various positions in the institute, in the report year. This includes 43 regular staffs 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.

**Regular Staff:** The details 43 regular staff posted during the year under A, B and C categories are given in table 59.

Table 59: Regular Staff Appointed.

Sl. No.	Name	Designation	Group
1	Mrs. Geetha C.	Lecturer in Audiology	A
2	Mr. Prawin Kumar	Lecturer in Audiology	A
3	Mr. T. Jayakumar	Lecturer in Speech Sciences	A
4	Mr. Sreeraj K.	Lecturer in Audiology	A
5	Dr. Vandana V. P.	Lecturer in Speech Pathology	A
6	Mr. Sachin L. C.	Lecturer in Speech Sciences	A
7	Mrs. Vasanthalakshmi M. S.	Lecturer in Biostatistics	A
8	Mr. Sujeet Kumar Sinha	Lecturer in Audiology	A
9	Mr. Rajsudhakar R.	Lecturer in Speech Sciences	A
10	Dr. Vijay Kumar Narne	Lecturer in Audiology	A
11	Mr. Pebbili Gopikishore	Lecturer in Speech Pathology	A
12	Mr. Niraj Kumar Singh	Lecturer in Audiology	A
13	Mrs. Chandni Jain	Lecturer in Audiology	A

14	Mr. S. Ramkumar	Registrar	A
15	Dr. Shijith Kumar C	Library & Information Officer	A
16	Mr. Darga Baba Fakuuddin	Audiologist Grade-I	B
17	Mrs. Vijayalakshmi S.	Special Educator	B
18	Mr. Nidheesh David Kuruvila	Senior Lib & Information Assistant	B
19	Mrs. Leena C.C.	Special Educator	B
20	Mrs. Prathima S.	Itinerant Speech Therapist	B
21	Mrs. Priya M.B	Speech Language Pathologist G-II	B
22	Mr. K. Arunraj	Clinical Assistant	B
23	Ms. Sahana V	Clinical Assistant	B
24	Mr. Sharath Kumar K. S.	Research Assistant	B
25	Ms. Manasa Madappa (relieved)	Research Assistant	B
26	Ms. Megha	Clinical Assistant	B
27	Mrs. Seema M.	Research Assistant	B
28	Mr. Sanjeev Kumar Gupta	Clinical Psychologist G-II	B
29	Ms. Ramya Maitreyee	Speech Language Pathologist G-II	B
30	Mrs. Sreevidya M. S.	Special Educator	B
31	Mr. Jawahar Antony P.	Audiologist G- II	B
32	Mr. B. Nandeesh	Senior Lib& Information Assistant	B
33	Mr. Jithinraj B.	Audiologist G-II	B
34	Mr. Harish Kumar	Special Educator	B
35	Mrs. Janwadkar Kalyani	Special Educator	B
36	Ms. Kadambari Naniwadekar	Special Educator	B
37	Mr. B.M. Karthikeyan(Relvd)	Speech Language Pathologist G-I	B
38	Mr. Yashodhara Kumar G.Y	Clinical Psychologist G-II	B
39	Ms. Geetha M P	Speech Language Pathologist G-I	B
40	Mr. Prashanth R	Medical Social Worker	B
41	Mr. Lawrence Rozario Sam	Store Keeper	C
42	Mr. Chethan C.	Ear Mould Technician	C
43	Mr. Vivek A.	Prosthetic Dental Mechanic	C

**Contract Staff:** Ninety Nine contract staff under various capacities have appointed during the reporting year in different departments and sections in the head quarters and DHLS centers across the country. The details are given in table 60.

Table 60: Contract Staff Appointed.

Sl. No.	Name	Designation	Dept/Section
1	Dr. M Santhosh	Reader	SLS
2	Ms. Amritha Kanchan	Lecturer	Clini.Psychology
3	Mrs. Sarikha Kuran	Lecturer	SLS
4	Ms. D Anagha Ashok	Lecturer	SLP



5	Mrs. Shobha Odunavar	Lecturer	SP.EDU
6	Mr. CD Santhosh	Lecturer	SLP
7	Mr. Kishore Tanniru	Lecturer	AUDIO
8	Mr. Nageshwar Patlolla	Lecturer	SLP
9	Ms. Priyashri S	Speech Language Pathologist Gr.I	CLINI-SER
10	Mr. Prashanth Prabhu P	Audiologist Gr. I	CLINI-SER
11	Mr. Giridhar G Krishnan	Audiologist Gr. II	CLINI-SER
12	Mr. Raghavendra GN	Software Engineer	ELECTRONICS
13	Mr. Puneeth Kumar	Electronics Engineer	ELECTRONICS
14	Ms. Neha Thakur	Physiotherapist	CLINI-SER
15	Ms. Madhuri J Holla	Clinical Psychologist Gr. II	CLINI-SER
16	Mr. Shoukath Ali KK	Earmould Technician	CLINI-SER
17	Mr. MT Jayarma	Earmould Technician	CLINI-SER
18	Ms. Nancy	Occupational Therapist	CLINI-SER
19	Ms. Sinthre Smitha Shekar	Physiotherapist	CLINI-SER
20	Ms. Smitha K Nair	Clinical Linguist	CLINI-SER
21	Ms. Anushri Dubey	Junior Technical Writer	
22	Mr. Ashwini Kumar	Graphic Designer	CREDM
23	Ms. S Nagashree	Junior Technical Officer	ELECTRONICS
24	Mr. Abhilash AI	Audio Visual Technician	ELECTRONICS
25	Ms. KY Veena	Copy Writer	
26	Mr. Shivaprasad	Graphic Designer	CREDM
27	Dr. Bhagyashree	ENT Surgeon	ENT
28	Dr. H S Prasad	ENT Surgeon	CLINI-SER
29	Dr. Shylaja K K	ENT Surgeon	CLINI-SER
30	Ms. Shwetha C	Clinical Supervisor	CLINI-SER
31	Ms. Niraja Singh	Clinical Supervisor	CLINI-SER
32	Ms. Shreela PK	Clinical Assistant	CLINI-SER
33	Ms. Melissa Sonali M	Speech Language Pathologist Gr-I	CLINI-SER
34	Dr. T. M. Mahadevappa	E.N.T. Surgeon	POCD
35	Ms. Yashaswini R	SLP Gr.I	POCD
36	Ms. Nayana S	Audiologist Gr.I	POCD
37	Ms. Prashasti	Audiologist Gr. I	POCD
38	Ms. Divya S Joseph	Audiologist Gr.I	POCD
39	Ms. Erafana	Audiologist Gr.I	POCD
40	Ms. Shruthi MN	Audiologist Gr.I	POCD
41	Ms. Husna Mubarak	Audiologist Gr. II	POCD
42	Mr. Rohith	Audiologist Gr. II	POCD
43	Ms. Sunitha E	Audiologist / SLP Gr. II	POCD
44	Ms. M Gayathri	Occupational Therapist (ASD)	POCD
45	Mr. Sanjeev Kumar C	Speech & Hearing Technician	POCD
46	Mr. Sumanth Kumar C S	Speech & Hearing Technician	POCD

47	Ms. Hasna Fathima	Audiologist Gr. I	DHLS
48	Ms. Usha Shastri	Audiologist Gr. I	DHLS
49	Ms. Laishram Ibe Devi	Speech & Hearing Technician	DHLS
50	Ms. Pallavi Malik	Speech Language Pathologist Gr. I	DHLS, Ajmer
51	Ms. Rupali Mathur	Speech Language Pathologist Gr. I	DHLS, Ajmer
52	Mr. Kamal Kishor Ojha	Speech & Hearing Technician	DHLS, Ajmer
53	Mr. Kumar Manish	Audiologist/SLP Gr. I	DHLS, Bhagalpur
54	Mr. Anup Kumar	Audiologist/SLP Gr. II	DHLS, Bhagalpur
55	Mr. Dheeraj Kumar	Speech & Hearing Technician	DHLS, Bhagalpur
56	Mr. Vivekanand Singh	Speech & Hearing Technician	DHLS, Bhagalpur
57	Mr. Bijoyaa Mohapatra	Speech Language Pathologist Gr. I	DHLS, Cuttack
58	Ms. Swagatika Nayak	Audiologist Gr. I	DHLS, Cuttack
59	Mrs. Sanghamitra M	Speech & Hearing Technician	DHLS, Cuttack
60	Ms. Ridhima Batra	Speech Language Pathologist Gr. I	DHLS, Delhi
61	Ms. Priyanka Madhok	Audiologist Gr. I	DHLS, Delhi
62	Mr. Aadil Husain	Speech & Hearing Technician	DHLS, Delhi
63	Ms. Laishram Premila D	Audiologist/SLPGr. II	DHLS, Imphal
64	Mr. Elangba Dilip Singh	Speech & Hearing Technician	DHLS, Imphal
65	Mr. B N Ramesh	Consultant Audiologist/SLP	DHLS, Jabalpur
66	Mr. Vivek Mandal	Audiologist Gr. I	DHLS, Jabalpur
67	Mrs. Niharika Patil	Speech & Hearing Technician	DHLS, Jabalpur
68	Ms. Enu Tadorwar	Speech & Hearing Technician	DHLS, Jabalpur
69	Mr. Gurdeep Singh	Audiologist Gr. I	DHLS, Lucknow
70	Mr. Udit Saxena	Audiologist Gr. I	DHLS, Lucknow
71	Mr. Nirmal Kumar Sinha	Speech & Hearing Technician	DHLS, Lucknow
72	Mr. Mohammed Noorain	Speech & Hearing Technician	DHLS, Lucknow
73	Ms. Liveem Mariam T	Speech Language Pathologist Gr. I	DHLS, Mumbai
74	Ms. Sheetal R	Speech Language Pathologist Gr. I	DHLS, Mumbai
75	Mr. Munivelu	Speech & Hearing Technician	DHLS, Mumbai
76	Mr. Yogesh Y Ukidev	Speech & Hearing Technician	DHLS, Mumbai
77	Mr. Anu Prasad S	Audiologist Gr. I	DHLS, Puducherry
78	Mr. Vinu Francis	Audiologist Gr. I	DHLS, Puducherry
79	Mr. N S Girisha	Speech & Hearing Technician	DHLS, Puducherry
80	Mr. Navin Kumar Mahto	Audiologist/SLP-Gr. I	DHLS, Ranchi
81	Mr. Navin Kumar Jha	Speech & Hearing Technician	DHLS, Ranchi
82	Mr. Ishwar Ram	Audiologist/SLP-Gr. II	DHLS, Shimla
83	Mr. Sandeep Rana	Speech & Hearing Technician	DHLS, Shimla
84	Mr. Nishant Dipta	Speech & Hearing Technician	DHLS, Shimla
85	Ms. Sinthya K	Audiologist Gr. I	CREDM
86	Ms. Aswathy AK	Speech Language Pathologist Gr. I	CREDM
87	Mr. Darshan S	Audiologist Gr. I	CREDM
88	Ms. Badaria M	Audiologist Gr. I	CREDM

89	Mr. Narasimha Murthy	Assistant Accounts Officer	ADMINISTRATION
90	Mr. Radhakanth	Assistant Administrative Officer	ADMINISTRATION
91	Mrs. Anitha S	Administrative Assistant	ADMINISTRATION
92	Ms. Sindhu SG	Administrative Assistant	ADMINISTRATION
93	Mr. Kumar G	Administrative Assistant	ADMINISTRATION
94	Ms. Roopa N	Administrative Assistant	ADMINISTRATION
95	Mrs. Nagarathna MN	Administrative Assistant	ADMINISTRATION
96	Mrs. Manjula	Clerk –cum- Typist	ADMINISTRATION
97	Mrs. Sowmya	Clerk –cum- Typist	ADMINISTRATION
98	Mr. Chethan R	Clerk –cum- Typist	ADMINISTRATION
99	Mr. Sandesh SC	Clerk –cum- Typist	ADMINISTRATION

**Project Staff:** Sixty Four staff have appointed under various intramural and extramural projects going on in different departments of the institute. The details of the project staff appointed are given in table 61.

Table 61: Project Staff Appointed.

Sl.No	Name	Designation
1	Ms. Swetha	Speech Language Pathologist Gr. I
2	Ms. Chaithra S	Speech Language Pathologist Gr. I
3	Mr. Vishnu KK	Research Officer
4	Mr. Dhanesh Mandam Kulathil	Research Officer
5	Ms. Priyanka Babu	Research Officer
6	Sri. Anantha Padmanabha	Special Educator
7	Sri. Vishwanathan	Research Assistant
8	Mr. Prathap Kumar S	Research Officer
9	Mr. S Sundaresh	Prosthetic and Orthotic Engineer
10	Mr. Manohar S S	Physiotherapist
11	Ms. Vasudha K G	Project Fellow
12	Ms. Yashomathi	Research Officer
13	Ms. Ranjini R	Research Officer
14	Ms. Manju Mohan P	Research Officer
15	Mr. Mahesh BVM	Speech Language Pathologist Gr. I
16	Ms. Lakshmi S Mohan	Research Officer
17	Ms. Ranjini M	Research Officer
18	Ms. Gayathri Krishnan	Research Officer
19	Ms. Dhanya M	Audiologist Gr. I
20	Ms. Merin John	Research Officer
21	Ms. Shylaja K	Speech Language Pathologist Gr. I
22	Ms. Divya P	Speech Language Pathologist Gr. I
23	Ms. Nisha Sudhi	Research Officer/SLP Gr. I

24	Ms. Shafna Jahan	Speech Language Pathologist Gr. I
25	Ms. Anjana AV	Research Officer
26	Ms. Aparna VS	Research Officer
27	Mr. Mohan Kumar K	Research Officer
28	Ms. Jyothi S	Research Officer
29	Ms. Ramya V	Research Officer
30	Ms. Jasmine Mallik	Research Officer/ SLP-Gr. I
31	Ms. Lincy Mary Varghese	Speech Language Pathologist Gr. I
32	Ms. Tiffy George Roy	Research Officer
33	Mr. Vijay Kumar Yadav A	Research Officer
34	Mrs. Kumari Apeksha	Audiologist Gr. I
35	Ms. Sharon Susan Sam	Speech Language Pathologist Gr. I
36	Ms. Reesha OA Hussain	Audiologist Gr. I
37	Ms. Somy Elizabeth Sam	Speech Language Pathologist Gr. I
38	Ms. Devika	Speech Language Pathologist Gr. I
39	Ms. Pragathi E	Speech Language Pathologist Gr. I
40	Ms. Raksha R Meti	Research Officer
41	Mr. Avinash M.C	Research Officer
42	Mr. Vijaya Shankar G	Research Officer
43	Mrs. Mekhala V.G	Speech Language Pathologist Gr. I
44	Ms. Impu C	Speech Language Pathologist Gr. I
45	Mr. Jasmine Lydia	Research Officer
46	Mr. Honey Pringle	Speech Language Pathologist Gr. I
47	Ms. Anjali Maratt Z	Speech Language Pathologist Gr. I
48	Ms. Archana G	Speech Language Pathologist Gr. I
49	Mrs. Indu Thammaiah	Research Officer
50	Ms. Sindhu V	Research Officer
51	Mr. Varun A	Project Officer
52	Ms. Medha M Hegde	Speech Language Pathologist Gr. I
53	Ms. Shilpashree H N	Research Officer
54	Ms. Pramoda K	Research Officer
55	Ms. Deepa Anand	Research Officer
56	Mrs. Asha S A	Research Officer
57	Mr. Niranjana	Speech & Hearing Technician
58	Mrs. Navya A	Research Officer
59	Ms. Sahana Murlikrishna	Research Officer
60	Ms. Aparana Anand Oak	Audiologist Gr. II
61	Ms. Sri Pallavi	Speech Language Pathologist Gr. II
62	Ms. Usha Rani Kukunuru	Research Officer
63	Ms. N Bhuvaneshwari	Speech Language Pathologist Gr. II
64	Mrs. Shilpa P Augustine	Project Fellow

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**Promotion:** Mr. A. N. Prasad was promoted to the post of Accounts Officer, and Prof. K.C Shyamala to the post of Professor (scale of pay Rs.37400-67100+GP-8700) under Assessment Promotion Scheme.

**Financial Up gradation:** Seventy regular staff members belonging to 'B', 'C' and 'D' categories have received financial up gradation to higher grade pay under Modified Assured Career Progression Scheme(MACPS) during the reporting year. The details are given in table 62.

Table 62: Staff Received Financial Up gradation.

S.No	Name	Designation	Group
1	Mrs. Parimala N.	Stenographer Gr. I	B
2	Mrs. R. Rajalakshmi	Stenographer Gr. II	B
3	Mrs. V. Shubha	Stenographer Gr. II	B
4	Dr. H. P. Umasaraswathi	Hindi Translator	B
5	Mr. M. Mahadeva	Asst. Lib. & Inf. Officer	B
6	Mr. M. K. Seetharam	Electronics Engineer	B
7	Mrs. Vijayashree	SLP Gr. I	B
8	Mrs. Suchithra M G	SLP Gr. I	B
9	Dr. Kalyan Kumar	Cli. Assistant	B
10	Mrs. K R Revathi,	Clinical Supervisor	B
11	Dr. K J Ramadevi S	Audiologist Gr.I	B
12	Mrs. Sujatha V Shastry	Cli. Assistant	B
13	Mr. H H Raju,	Cli. Assistant	B
14	Mrs. M G Mariamma	Ex. Staff Nurse	C
15	Mrs. J Raguna	Staff Nurse	C
16	Mr. Prakash	Ex. Electrician	C
17	Mrs. B R Chudamani	JTO	C
18	Mr. S R Srinivas	JTO	C
19	Mr. M B S.Murthy	Electrician	C
20	Mrs. Uma Rosalind M	Staff Nurse	C
21	Mr. B Sudarshan	Prosthodontic Technician	C
22	Mr. B. S. Gururaja	Ex. AMRO	C
23	Mr. R. Kannan	Ex. UDC	C
24	Mr. S. Mallaiah	Clerk-cum-Typist	C
25	Mr. Mallikarjunaiah	Accountant	C
26	Mr. M. B. Shankar	UDC	C
27	Mrs. Anitha Baldevraj,	UDC	C
28	Mr. L. Premkumar	LDC	C
29	Mrs. R. Shanthi,	UDC	C
30	Mr. C. Kumaraswamy	UDC	C

31	Ms. Nagalakshmi	Stenographer Gr.III	C
32	Mr. B. Suresh	LDC	C
33	Mr. D. S. Ramesh	Stores Supervisor	C
34	Mrs. H. Sudha	Stenographer Gr.III	C
35	Mr. Govinda Shetty	Driver Gr.I	C
36	Mrs. M. V. Dakshayani	UDC	C
37	Mr. Basavalingaiah	Ex. Peon	D
38	Mr. Padam Bahadur	Watchman	D
39	Mr. Venkatesha K M	Peon	D
40	Mr. Mahadev S.	Mali	D
41	Mrs. Padma D N	Sweeper	D
42	Mr. Papanna	Mali	D
43	Mr. Siddaiah S	Daftry	D
44	Mr. Chowdaiah C	Clin.Attendant	D
45	Mr. Subramanya S	Clin. Attendant	D
46	Mr. Ramachandra	Sweeper	D
47	Mr. Anil Kumar R K	Packer	D
48	Mr. V. Gowda R H	Watchman	D
49	Mr. Shivashankar M	Clin. Attendant	D
50	Mr. Prakash S V	Cli. Attendant	D
51	Mr. Raju V	Ayah	D
52	Mr. Ananthaswamy	Ward Boy	D
53	Mr. Sannaranga	Sweeper	D
54	Mr. Palaniswamy	Sweeper	D
55	Mrs. Papamma	Helper	D
56	Mr. Krishna B	Mali	D
57	Mr. Eshwara	Lab Attendant	D
58	Mrs. Maniamma	Mali	D
59	Mr. Chowdaiah K	Lib. Attendant	D
60	Mr. Manchaiah	Mali	D
61	Mr. Srinivas	Mali	D
62	Mr. Mahadeva S	Mali	D
63	Mr. Chowdaiah H	Mali	D
64	Mr. Yalegowda	Mali	D
65	Mr. Srinivasa K	Mali	D
66	Mrs. Puttalakshmi	Cook	D
67	Mrs. Rajamani	Cook	D
68	Mr. Mahadeva	Cook	D
69	Mrs. Gayathri	Clinical Attendant	D
70	Mr. Ramesha K	Clinical Attendant	D

**Retirement/Repatriation/Resignation:** During the reporting year, 4 staff members superannuated and 2 resigned from the regular service of the institute. Mr. A. N. Venkatachala was repatriated from the capacity of administrative officer of the institute. In addition to this, 91 contract staff/project staff working under various capacities were relieved/resigned from the service. Also the incumbent Director Dr. Vijayalakshmi Basavaraj passed away during the period. The details of retirement, resignation and relief are given in tables 63, 64 and 65, respectively.

Table 63: Staff Superannuated.

S.No	Name	Designation
1.	Sri C. D. Shanbal	Assistant Medical Records Officer
2.	Sri. R. Kannan	UDC
3.	Sri Cheluvarayashetty	Watchman
4.	Sri Papanna	Mali

Table 64: Staff Resigned.

S.No	Name	Designation
1.	Mr. B. M. Karthikeyan	Speech-Language Pathologist Grade-I
2.	Ms. Manasa Madappa	Research Assistant

Table 65: Contract/Project Staff Relieved.

Sl.No	Name	Designation
1	Smt. M. S. Vasanthalakshmi	Lecturer in Biostatistics
2	Smt. S. Vijayalakshmi	Special Educator
3	Mr. Sreeraj K	Clinical Supervisor
4	Mr. Rajesh Kumar Singh	Clinical Linguist
5	Mr. Harish Pai	Physiotherapist
6	Ms. Shabina	Itinerant Speech Therapist
7	Ms. Vasudha KG	Clinical Psychologist Gr. II
8	Mrs. Priya MB	Speech Language Pathologist Gr. I
9	Mr. Ismail S	Research Assistant
10	Ms. Megha	Audiologist Gr. I
11	Ms. Shruthi H	Audiologist Gr. I
12	Mr. Amith Kishore	Clinical Supervisor
13	Ms. Jocine Gloria C	Speech Language Pathologist Gr. I
14	Mr. V.T. Manjunath	Hearing Aid Technician
15	Mr. C Chethan	Ear Mould Technician
16	Ms. Sreevidya	Research Assistant
17	Ms. V Sahana	Speech Language Pathologist Gr. I
18	Mr. P Pradeep Kumar	Audiologist Gr. II

19	Ms. Laxme Janardhan	Speech Language Pathologist Gr. II
20	Mr. Prawin Kumar	Research Assistant
21	Ms. Somy Antony	Senior Speech Pathologist
22	Ms. Geetha MP	Senior Speech Pathologist
23	Mr. Ramesh Chandra	Senior Audiologist
24	Ms. Bhavya M	Senior Audiologist
25	Mr. Arun Raj K	Audiologist Gr. I
26	Ms. Manasa Madappa	Speech Language Pathologist Gr. I
27	Ms. Lakshmy Philip	Junior Speech Pathologist
28	Ms. Nimisha Raj	Junior Speech Pathologist
29	Mr. Rajesh	Occupational Therapist (ASD)
30	Mr. Sachin L C	Audiologist / SLP Gr. I
31	Mr. NS Girisha	Speech & Hearing Technician
32	Mr. Sharath Kumar	Audiologist / SLP Gr. I
33	Ms. Somy Elizabeth Sam	Audiologist/Sp. Lang. Pathologist
34	Smt. M Seema	Speech Language Pathologist Gr. I
35	Mrs. V Sowmya	Clerk cum Typist
36	Mr. Lohith P	Audiologist /SLP Gr. I
37	Ms. Prathibha KK	Audiologist Gr. I
38	Ms. S Priyashri S	Speech Language Pathologist Gr. I
39	Dr. H S Prasad	ENT Surgeon
40	Ms. V Kavya	Research Officer
41	Ms. S Vinutha	Computer Assistant
42	Ms. Ramya Maitreyee	Speech Language Pathologist Gr. I
43	Ms. Prathima S	Research Officer
44	Ms. Vijayetha	Research Assistant
45	Mr. Lokesh	Project Assistant
46	Ms. Vanitha C	Project Assistant
47	Mrs. Pavithra Deepak	Computer Assistant
48	Ms. Samasthitha S	Speech Language Pathologist Gr. I
49	Mr. Mahammed Rafi	Project Assistant
50	Ms. Nimisha Ravindran	Research Assistant
51	Smt. Anjana B Ram	Research Officer
52	Mr. Gnanavel K	Research Officer
53	Ms. Navitha U	Speech Language Pathologist Gr. I
54	Mr. Sunil Kumar Ravi	Research Officer
55	Mr. Kuppuraj S	Research Officer



56	Ms. Muthuselvi	Audiologist Gr. I
57	Mr. Abhishek B P	Research Officer
58	Mr. T Jayakumar	Research Officer
59	Ms. Shwetha MP	Research Officer
60	Mr. Dinakar	Project Assistant
61	Mrs. K M Krupakshari	Project Fellow
62	Mr. Srinivas K	Carpenter
63	Mrs. Aishwarya Anand	Research Officer
64	Ms. Prarthana S	Research Officer
65	Mr. Sandeep Ranjan	Audiologist Gr. I (Ajmer)
66	Mr. Gyan Prakash Singh	Speech & Hearing Technician
67	Ms. Pallavi Malik	Speech Language Pathologist Gr. I
68	Mr. Kamal Kishor Ojha	Speech & Hearing Technician
69	Mr. Pintu Kumar	Audiologist/ SLP Gr. I
70	Mr. Anup Kumar	Audiologist/ SLP Gr. II
71	Ms. Ranjitha Kumari Patra	Audiologist/SLP Gr. I
72	Ms. Sasmita Behera	Audiologist Grade I
73	Mr. Bijoyaa Mohapatra	Speech Language Pathologist Gr. I
74	Mr. S.B Sharma	Speech & Hearing Technician
75	Ms. Shweta Prakash K M	Audiologist Grade I
76	Ms. Priyanka Madhok	Audiologist Gr. I
77	Mr. Jitendra Kumar Saini	Speech & Hearing Technician
78	Mr. Rajkumar Thouba Singh	Audiologist/ SLP Gr. II
79	Mrs. Niharika Patil	Speech & Hearing Technician
80	Mr. Nikhil Kurode	Audiologist/SLP Gr. I
81	Mr. Udit Saxena	Audiologist Gr. I
82	Mr. Nirmal Kumar Sinha	Speech & Hearing Technician
83	Mr. Munivelu	Speech & Hearing Technician
84	Mr. Jawahar Antony	Audiologist Gr. I
85	Mr. Poorna Chandra V M	Speech Language Pathologist Gr. I
86	Mr. Vinu Francis	Audiologist Gr. I
87	Mr. Ravi Kumar	Speech Language Pathologist Gr. I
88	Mr. Elangba Dilip Singh	Speech & Hearing Technician
89	Ms. Pooja Dayal	Audiologist Gr. I
90	Ms. Pravesh Arya	Speech Language Pathologist Gr. I
91	Mr. Rahul Chandel	Speech & Hearing Technician

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## **B. Financial Management**

The institute is fully funded by the Ministry of Health and Family Welfare, Government of India. As against the budget proposal of ₹ 3000 lakhs under BE plan and ₹ 950 lakhs under non-plan by the institute, a grant in aid of ₹9.14 crores under non-plan and ₹7.57 crores under plan recurring and ₹14.36 for the creation of capital assets were sanctioned by the ministry during the reporting year. The grants released for the implementation of 27% OBC reservation was ₹5.92 crores which includes a recurring grant of ₹ 0.55 crores and a non-recurring grant of ₹ 5.37 crores. The institute generated a total internal revenue of ₹ 2.81 crores. The consolidated financial statements which fairly represent the financial position of the institute as of 31<sup>st</sup> March 2011 are given in Appendix-I along with the independent auditor's report.

## **C. Official Language Implementation**

The institute is committed to implement the Official Language Policy of Government of India. Various activities were carried out by the institute to accelerate official language implementation. These include:

**Hindi training and examination:** The staff who attended Hindi classes in July – November 2010 session were Smt N. Devi, Lecturer in Audiology, Sri. Rajasudhakar, Lecturer in Speech Sciences, Sri C. Chethan, Earmould Technician (all for Prabodh) and Sri S. Ram Kumar, Registrar (Pragya). All of them successfully completed the courses. The staffs nominated for January- May 2011 training session are: Mr. Nidheesh David Kuruvila, Senior Library & Information Assistant (Prabodh) and Ms. N. Devi, Lecturer in Audiology (Praveen).

**Material Development:** During the year under report, 26 general orders/ memos/ notes/ circulars, 21 training materials/ handouts, 2 Invitation cards and 17 certificates were rendered in Hindi. In addition to these, DHLS course materials were also translated.

**Counseling:** 5359 Hindi speaking persons with communication disorders who visited the institute for treatment were counseled in Hindi.

**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.

**OL Correspondence:** Letters to outside organizations, office notes etc. were signed in Hindi in addition to replying to the letters received in Hindi.

**Hindi Competitions (External):** Employees of the institute were nominated for various competitions in Hindi such as quiz, essay and debate conducted by different central government organizations in Mysore. Mr. Mallikarjunaiah, Security Officer won II prize in the essay competition organized by Central Institute of Hindi, Mysore on 25<sup>th</sup> August 2010.

**Hindi Week:** Hindi week was celebrated in the Institute on 13-17 September 2010. Various competitions were held on the occasion and prizes were awarded thus giving impetus for propagation of official language among the staff and students

**External Hindi Workshops/ Guest Lectures:** Dr. H.P Uma Saraswathi, Hindi translator was deputed to attend two-day workshop on 26- 27 August 2010, at Central Institute of Hindi, Mysore. Dr. H.P Uma Saraswathi, Hindi Translator was sponsored to deliver lectures in Hindi workshops organised by BSNL and DFRL, Mysore. Internal Hindi Workshop:

**Two-day Hindi workshop** was organized on 17- 18 January 2011, which was attended by a total of 17 persons from various departments. Faculty from outside organizations were invited as guest lecturers and certificates were issued to the participants.

#### **D. Administrative Committees**

The various administrative bodies of the institute during the reporting year are given below.

##### **D.1 Executive Council**

###### **Chairperson**

1. Shri Ghulam Nabi Azad  
Hon'ble Minister for Health & Family Welfare  
Government of India  
Nirman Bhavan  
New Delhi 110 108.

###### **Vice-Chairperson**

2. The Hon'ble Minister for Health & Family Welfare  
Government of Karnataka  
Vidhana Soudha  
Bangalore 560 001.

###### **Members**

3. Shri. Chandramouli, IAS  
Secretary (Health & Family Welfare)  
Government of India  
Ministry of Health & Family Welfare  
New Delhi 110 108.
4. Dr. R.K. Srivatsava  
Director General of Health Services  
Government of India  
Ministry of Health and Family Welfare  
New Delhi 110 108.
5. Shri Keshav Desiraju, IAS  
Additional Secretary (H)  
Government of India,  
Ministry of Health and Family Welfare  
New Delhi 110 108.

6. Shri R.K. Jain, IAS  
Additional Secretary (FA)  
Government of India  
Ministry of Health & Family Welfare  
Nirman Bhavan, 2nd Floor, "A" Wing  
New Delhi 110 108.
7. Ms. Shalini Prasad, IAS  
Joint Secretary (H)  
Government of India  
Ministry of Health & Family Welfare  
Nirman Bhavan, 2nd Floor, "A" Wing  
New Delhi - 110 108.
8. Dr. Arbind Prasad, IAS  
Joint Secretary (DD)  
Government of India  
Ministry of Social Justice and Empowerment  
Shastri Bhavan, 6th Floor  
New Delhi 110 001.
9. Prof. V.G. Talwar  
Vice-Chancellor  
University of Mysore  
Mysore 570 005.
10. Dr. Ramana Reddy  
Secretary (H)  
Government of Karnataka  
Department of Health and Family Welfare,  
Multistoried Building, Bangalore 560 001.
11. Dr. A.R. Aruna  
Director of Medical Education  
Government of Karnataka  
Ananda Rao Circle, Bangalore 560 009.
12. Nominee of Chairman, EC.
13. Nominee of Chairman, EC.
14. Nominee of Chairman, EC.
15. Nominee of the Director  
All India Institute of Speech and Hearing  
Mysore - 570 006.
- Member-Secretary**
16. Dr. S.R. Savithri  
Director  
All India Institute of Speech and Hearing  
Mysore - 570 006.

## D. 2 Finance Committee

### **Chairperson**

1. Shri Keshav Desiraju, IAS  
Additional Secretary (H)  
Government of India  
Department of Health  
Ministry of Health & Family Welfare  
New Delhi - 110 108.

### **Members**

2. The Director General of Health Services  
(or his nominee)  
Ministry of Health & Family Welfare  
Nirman Bhavan  
New Delhi – 110 108.
3. Shri R. K Jain, IAS  
Additional Secretary (FA)  
Government of India  
Ministry of Health and Family Welfare  
New Delhi – 110 108.
4. Ms. Shalini Prasad, IAS  
Joint Secretary (H)  
Government of India  
Ministry of Health and Family Welfare  
Department of Health  
New Delhi – 110 108.
5. Dr. E.V. Ramana Reddy  
Secretary (Health & Family Welfare)  
Government of Karnataka  
Department of Health and Family Welfare  
Bangalore 560 001.

### **Member-Secretary**

6. Dr. S.R. Savithri  
Director  
All India Institute of Speech and Hearing  
Mysore – 570 006.

## D. 3 Academic Committee

### **Chairman**

1. Dr. J. Shashidhar Prasad  
Ex-Vice Chancellor & Professor of Physics  
University of Mysore  
49/2, 5<sup>th</sup> Main 3<sup>rd</sup> Block  
Jayalakshmipuram  
Mysore 570 012.

### **Members**

2. The Deputy Director General (M)  
Directorate General of Health Services  
Government of India  
Nirman Bhavan  
New Delhi 110108.
3. The Director  
Medical Education  
Government of Karnataka  
Bangalore 560 009.
4. Nominee of Vice-Chancellor  
University of Mysore  
Mysore 570 005.
5. Dr. A.K. Agarwal  
Dean & Director, MAMC  
Additional Director General  
Government of India  
O/o the DGHS, Nirman Bhavan  
New Delhi 110 108.
- 6-8 Three Heads of Departments of AIISH, Mysore  
(on rotation every 2 years).
9. Prof. H.A. Ranganath  
Director, NAAC  
Jnanabharathi Campus  
Bangalore.
10. Dr. H. Sudarshan  
VGKK, 686, 16<sup>th</sup> Main,  
4<sup>th</sup> T Block, Jayanagar,  
Bangalore 570 041.

### **Member Secretary**

11. Dr. S.R. Savithri  
Director  
All India Institute of Speech and Hearing  
Mysore 570 006.

## **MAINTENANCE SECTION**

The maintenance section of the institute is constituted of Engineering and Horticulture sections.

**Engineering Works:** The Engineering Section is responsible for the maintenance and construction of civil works in the institute. Last year the 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 ₹ 200 lakhs. The details of the work undertaken are given in table 66.

Table 66: Maintenance and Constructios.

S.No	Activity	Estimate ₹ In lakhs	Status
1.	Painting of D-type quarters	2.66	Completed
2.	Providing ATT to old administrative block.	1.45	Completed
3.	Renovation of toilets of Speech block	1.71	Completed
4.	Renovation of vehicle parking shed	3.37	Completed
5	Old administrative block assembly hall interior works	0.92	Completed
6	Floor carpeting at audiology testing block	0.90	Completed
7	Flagging and plinth protection works in D-type quarters	3.22	Completed
8	Painting of library building	7.50	Completed
9	Post construction and anti termite treatment at D-type quarters	0.70	Completed
10	Venyl flooring of PT/OT rooms at Clinical services	0.34	Completed
11	Making showcase at new administrative block	0.31	Completed
12	Painting of E-type quarters	0.74	Completed
13	Fixing of granite display slab on main entrance compound wall	0.38	Completed
14	Construction of psychoacoustic lab at administrative block	3.94	Completed
15	Fixing vitrified tiles at old administrative block	4.77	Completed
16	Fixing window netlon net at GF- PSTC building	0.28	Completed
17	Fixing granite platform at earmould lab	1.41	Completed
18	Construction of toilet for lady workers at ladies hostel	0.97	Completed
19	Installation of sun control film at PSTC	1.47	Completed
20	Construction of DG room at Panchavati campus	9.50	Ongoing
21	Sound proof treatment at Dept of SLS	8.40	Ongoing
22	Construction of RCC UG sump at ENT block.	2.80	Completed
23	Providing and fixing computer table at Special education dept.	1.21	Completed
24	Establishment of vertigo clinic	0.62	Completed
25	Civil works in assembly hall.	0.92	Completed
26	Water supply from south borewell to sump at Panchavati campus.	0.61	Completed
27	Procuring mixer taps and flush tank to suite room of guest house.	0.21	Completed
28	Sound proofing in psychoacoustic lab	5.30	Ongoing
29	Fixing false ceiling in psychoacoustic lab	2.75	Ongoing
30	Fixing vitrified tiles on the corridors of old administrative block	1.39	Completed
31	Repair of duct and renovation of toilets in old administrative block	1.37	Completed
32	Construction of toilets at Dept of Special education	12.80	Ongoing
33	Construction of additional toilets at old boy's hostel	13.90	Ongoing
34	Repair & renovation of toilet block & painting old boys hostel	8.40	Ongoing
35	Water proofing treatment & yelahanka tiling at old boys hostel	6.27	Ongoing

36	Laying APP membrane above ENT building	5.80	Completed
37	Laying WPC to the open terrace of library	7.40	Completed
38	Painting of ENT building	2.33	Completed
39	Fixing stainless steel curtain rods at SED dept.	0.64	Completed
40	Fixing brass letters & logo at the main entrance of the Institute	2.10	Completed
41	Fixing vitrified tiles at old men's hostel	4.48	Ongoing
42	Fixing terrace PVC sheet shelter at Dept. of Special education	13.70	Ongoing
43	Fixing vitrified tiles at old men's hostel	6.51	Ongoing
44	Fixing aluminium sliding shutters at SED	4.90	Ongoing
45	Renovation & sound proofing at Neuropsychology ante room	3.60	Ongoing
46	Sound proofing at Neuropsychology assessment & counseling room	5.00	Ongoing

**Purchase of Equipments:** The institute also strengthened its infrastructure through the up gradation of existing scientific equipments and procuring a number of new sophisticated tools and instruments. It spent a total amount of ₹4,37,31,531 towards the purchase 134 items of equipments, last year. The major equipments purchased/ upgraded are given in table 67.

Table 67: Equipments Purchased.

Sl. No.	Equipment	Qty	Amount in ₹
1.	Digital photography camera with lens	1	1,90,680.00
2.	Diagnostic Immittance meter –Titan clinical	2	6,93,000.00
3.	HIPRO digital	2	72,000.00
4.	AEP equipment with VEMP	2	26,05,050.00
5.	Upgradation of SPSS software	1	3,65,243.00
6.	Handheld OAE screener-Otoread	4	16,59,000.00
7.	ASA 5520 CISCO switches	1	6,43,230.00
8.	Audioscope	4	2,83,500.00
9.	Speech audiometer Maico 53, 2 ch	2	7,40,114.00
10.	Minor OT table	2	1,39,360.00
11.	24 port analog extn etc.	1	86,100.00
12.	ENT testing material including suction apparatus	3	46,865.00
13.	Compact recorder TCM 150	1	1,990.00
14.	Split A/c for Old Admn.block	3	2,70,000.00
15.	Pro tec Acqua guard	10	1,35,000.00
16.	Heine German Make Mini Otoscope	4	24,128.00
17.	Shure lapel Microphone	1	28,375.00
18.	50" TV	1	1,13,500.00
19.	EPSON TX 120 Printer cum scanner	1	6,290.00
20.	700 VA UPS (POCD/DMD/accts/	15	70,875.00
21.	Heavy duty wet grinder	1	16,174.00
22.	Hearing aid analyzer 7000	1	9,00,000.00
23.	LCD monitor 17"	1	6,800.00
24.	Acqu guard purechill 80 pcs	1	96,475.00



25.	Speech sounds cue	1	16,138.00
26.	PA system with speaker etc	1	20,800.00
27.	Split a/c for Clinical psychology	4	1,54,000.00
28.	DAF 1000	2	61,950.00
29.	Oral motor tools (Jaw exercise)	2	2,000.00
30.	Articulatory tools	2	2,000.00
31.	Servox easy voice with microphone	1	43,740.00
32.	Handycam	2	70,000.00
33.	AEP equipment	1	6,50,000.00
34.	Digital voice recorder	5	51,250.00
35.	AEP-VEMP Portable 4 ch.	1	13,23,000.00
36.	Television	1	1,05,000.00
37.	DVD Player	1	3,300.00
38.	700 VA UPS	3	14,175.00
39.	BOSCH drill machine with bits	1	3,980.00
40.	NOAH 3.1	1	2,22,294.00
41.	Laryngeal operating instruments	1	6,43,020.00
42.	Electronic Trainer kit	1	1,86,586.00
43.	Portable screening audiometer with std.acc	4	2,21,520.00
44.	LED Display Board	2	36,093.00
45.	Diagnoastic Imm.meter-GSI Tymptstar Ver.2	1	4,31,600.00
46.	Digital Voice recorder	6	66,472.00
47.	Water purification system	1	13,500.00
48.	Optimist-MMX, keyboard, head pointer etc	1	5,16,925.00
49.	Multimedia Projector	2	1,54,360.00
50.	AVAZ Portable battery operated AAC device	1	33,750.00
51.	Ten HL CD	6	10,835.00
52.	Handycam (digital Video camera)	1	35,000.00
53.	Cross Trainer/CRYO Therapy Unit/Cold Th.Unit	1	1,17,000.00
54.	Moist Heat Therapy Unit/Hand evaluation set/Cando web green 14 inches	1	71,208.00
55.	Therapy Unit with muscle stimulator, TENS	1	39,600.00
56.	Cervical & Lumbar traction, finger excerciser, Hand trainer	1	4,61,113.00
57.	Audio Visual System with accessories	1	91,651.00
58.	Voce Vista/Electroglottograph	1/2	2,00,000.00
59.	Pop-up toaster	14	6,986.00
60.	Prestige ele.kettle	14	11,550.00
61.	Ophthalmoscope Heine Imported	1	5,775.00
62.	Telephone with collar ID	2	1,995.00
63.	CSL 4500 with software/accessories	2	9,80,000.00
64.	Hydraulic Press & Electro plaster dispenser	2/1	2,34,140.00
65.	PA system with accessories	9	1,79,988.00
66.	Cordless mic with receiver	9	2,55,375.00
67.	Micro equipments	1	83,675.00
68.	2 Tr split A/c –Vertigo Lab	1	35,500.00
69.	Acquaguard Purechill 80 pss	1	96,475.00
70.	Ro-Protec water purifier	1	13,500.00
71.	Smart cleaning system/wetfloor signal/pyramid signal	1	1,06,183.00

72.	Richo Color copier	1	2,43,600.00
73.	Digital Franking Machine	1	1,29,390.00
74.	Sony cyber shot digital camera	1	14,000.00
75.	Ricoh colour copier	1	95,760.00
76.	HP 8000 series Desktop computer	56	24,74,304.00
77.	1 Tr high wall A/c with stabilizer	15	4,12,500.00
78.	700VA UPS with 15-20 backup	33	1,55,925.00
79.	Supply & installation of catalyst	10/30	4,33,479.00
80.	Acquaguard purechill	1	96,475.00
81.	Printers	31	6,64,417.00
82.	Diesel Generator with installation etc	1	11,23,416.00
83.	Crocodile Forceps	6	7,245.00
84.	Refrigerator 180 ltrs	2	18,600.00
85.	Refrigerator 90 ltrs	19	1,22,550.00
86.	Q Manager retractable belts	15	51,118.00
88.	RMS 401 spirometer	1	44,277.00
89.	Bench Motors	3	11,93,983.00
90.	CSL 4500 software	1	4,65,000.00
91.	AEP with VEMP	1	13,23,000.00
92.	Electroglottograph	1	3,50,000.00
93.	Sony Handycam with accessories	2	88,001.00
94.	Air caloric stimulator	1	3,50,000.00
95.	Diagnostic Immittance meter	2	10,50,000.00
96.	Otodynamic Emission analyzer	3	24,50,000.00
97.	700VA UPS	5	23,625.00
98.	LCD 32" TV	15	2,97,000.00
99.	AEP system	3	19,68,000.00
100.	GN Otometrics Astera with ACP	1	5,50,000.00
101.	Diagnostic Audiometer with speakers	2	11,30,000.00
102.	RMS spirometer 401/701	1/1	1,32,000.00
103.	Video voice Sp.Th& lang.software	1	45,770.00
104.	Power paper shredder	2	44,265.00
105.	Richoh Colour copier	1	2,43,600.00
106.	HP8000 Desktop computers	19	8,39,496.00
107.	HP8000 Desktop	15	5,87,160.00
108.	Otoacoustic Emission analyzer	3	7,33,200.00
109.	Richoh color copier	1	2,43,600.00
110.	Computer notebook with intel core 7	4	2,49,900.00
111.	Refrigerator-90 ltrs	1	6,450.00
112.	Wall mounting fan	12	19,068.00
113.	Sine wave UPS	2	34,000.00
114.	Computerized Speech Lab 4500 Latest version	1	5,45,000.00
115.	UPS batteries EP-7	100	55,674.00
116.	Batteries 12V, 180 AH 25 plates	1	12,350.00
117.	HP series Workstation	12	11,54,568.00
118.	Computer Note book with intel	2	1,24,950.00
119.	700 VA UPS	20	94,500.00
120.	HP 8000 desktop computers	2	88,368.00

121.	Laser printer HP/LJP2055 DN	4	98,914.00
122.	Color Printer4500	3	22,869.00
123.	Portable screening audiometer	3	1,18,125.00
124.	Aerometer Interface to PC	2	1,36,800.00
125.	700 VA UPS	4	18,900.00
126.	Supply & installation of cordless mic	2	56,750.00
127.	Handheld Sound analyzer with accessories	1	22,45,000.00
128.	Amplifier with co-axial cable	1	6,697.00
129.	Smart cleaning system wet & dry with accessories	1	4,05,193.00
130.	Aeroview plus phonatory system /high pressure transducer	1	4,60,000.00
131.	Headphones with mic	16	20,160.00
132.	Sony SNC CCTV camera attachment	25	1,54,644.00
133.	Glatzel Nasal mirror	1	14,144.00
134.	Digital signage software with 3 license	1	1,15,000.00
<b>TOTAL</b>			<b>₹ 4,37,31,531.00</b>

**Horticulture Activities:** The Horticulture section is responsible for preserving the environment and enhancing the beauty and ornamental look of the campus by planting trees, maintaining garden, building flower beds and growing shrubs. It keeps the institute free from pollution by growing and maintaining the various types of trees and plants. The section is also maintaining nursery and rose garden to enrich the natural beauty of the institute. There are 500 numbers of ornamental plants and 2000 numbers of flower pots have been developed this year.

The Horticulture Section represented the institute in the 'Dasara Horticultural Flower Show 2010' conducted by State Horticulture Department on 4 October 2010. The institute won two 1<sup>st</sup> prizes, two 2<sup>nd</sup> prizes and one 3<sup>rd</sup> prize for garden maintenance and growing flowers in pots and beds.

# 6 OTHERS

## 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 delivered one-hour lecture. The details of the lectures delivered last year are given in table 68.

Table 68: Public Lecture Series.

Sl. No.	Date	Topic	Resource person
1.	24.04.10	Identification of hearing loss in school going children	Dr. Sandeep M. Lecturer in Audiology Department of Audiology, AIISH.
2.	29.05.10	Physiotherapeutic aspects in communication disorders	Mr. Siddesh N.S. Physiotherapist Department of Clinical Services ,AIISH.
3.	26.06.10	Inclusive education for children with hearing impairment	Dr. Malar G. Reader in Special Education Department of Special Education, AIISH.
4.	31. 07.10	Early identification and intervention of hearing impairment	Ms. Geetha, C. Lecturer in Audiology Department of Audiology, AIISH.
5.	28.08.10	Stuttering in children	Dr. Y.V. Geetha Prof. & Head Department of Speech - Language Sciences, AIISH.
6.	25.09.10	Hearing aids: Care & maintenance	Mr. Ajish Abraham Reader & Head, Department of Electronics and Dr. K. Rajalakshmi, Reader in Audiology & Hea Department of Material Development, AIISH.
7.	30.10.10	Augmentative and alternative communication (AAC)	Dr. R Manjula Professor in Speech Pathology and Head, POCD, AIISH.
8.	27.11.10	Effect of cleft lip and cleft palate on speech and language	Dr. M Pushpavathi Reader & Head, Department of Speech - Language Pathology ,AIISH.

9.	25.12.10	Communication disorders in psychiatric conditions	Mr. Sunil Kumar Junior Research Fellow Department of Speech- Language Pathology, AIISH.
10.	29.01.11	Voice and voice care	Mr. Jayakumar T Lecturer in Speech Sciences Department of Speech - Language Sciences, AIISH.
11.	26.02.11	Management of voice in throat cancer patients	Dr. Santosh, M Reader in Speech Sciences Department of Speech - Language Sciences, AIISH.
12.	26.03.11	Influence of high risk factors on hearing	Mr. Sharath Kumar, K.S. Research Assistant Department of Audiology, AIISH.

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## 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 Kumari, & Sujeet Kumar Sinha. won M Raghunath Memorial Award for best poster presentation in Audiology for the paper titled Test-retest-reliability of cochlear hydrops analysis masking procedure test at 43rd Annual Convention of Indian Speech & Hearing Association (ISHACON). Kolkata, 21-23 January 2011.
- iii) Dr. Santosh M, Reader, Department of Speech-Language Sciences, 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). The Army Hospital (Research & Referral), New Delhi, 25-27 February 2011.

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

### **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 are given in table 69.

Table 69: Distinguished Visitors.

<b>Name</b>	<b>Designation</b>	<b>Date of Visit</b>
Dr. Sivaratnamma L. Vaya	Director, Institute of Behavior Sciences and Directorate of Forensic Sciences, Gandhi Nagar, Gujarat	19.05.2010
Mr. A.K. Sinha	Finance Officer, Ministry of Health and Family Welfare, Government of India.	15.06.2010
Prof. Subba Rao	Director, JIPMER, Pondicherry.	02.07.2010
Ms. Jyothi Murthy	Speech-Language Pathologist and Coordinator of Speech Language Services, TIEE, California, USA.	12.08.2010
Dr. E. V Ramana Reddy	Secretary, Department of Health and Family Welfare, Government of Karnataka.	17.09.2010
Mr. Keshav Desiraju	Additional Secretary, Ministry of Health and Family Welfare, Government of India.	17.09.2010
Dr. Anirban Biswas, M.S	Neurotologist, President, Association of Otolaryngologists of India.	22.10.2010
Dr. Geetha Avadhani	Professor & Head, Department of General Surgery and Medical Superintendent, K.R. Hospital, Mysore.	22.10.2010
Mr. Ahmad Shareef	Manager, Community Based Rehabilitation Center, South Province, Thinadhoo, Republic of Maldives.	19.11.2010
Dr. Giri Hegde	Prof. Emeritus of Speech Language Pathology, California State University, Fresno, USA.	11.12.2010
Dr. M D. Ravi	Professor of Paediatrics & Vice Principal Clinical, JSS Medical College, Mysore.	16.12.2010
Dr. T. K. Parthasarathy	Professor & Chairman, Dept of Special education, Southern Illinois University, USA.	16.12.2010
Mr. Apurv Kumar	Clinical Specialist, Cochlear, Bangalore.	17.12.2010
Mr. Dinesh Trivedi	Minister of State for Health and Family Welfare, Government of India.	29.12.2010
Mr. Harsh Gupta	District Commissioner, Mysore.	07.01.2011

Dr. M.V. Kirtane	Professor Emeritus and ENT Consultant, Hinduja Hospital, Mumbai.	30.01.2011
Dr. Suma Bhat	Post-doctoral Researcher, University of Illinois, USA.	28.02.2011
Dr. G.N. Rangamani	Professor, St.Cloud State University, USA.	15.03.2011

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