

DEPARTMENT OF PREVENTION OF COMMUNICATION DISORDERS (PoCD)

ANNUAL REPORT APRIL 2014 TO MARCH 2015

I. ACADEMIC ACTIVITIES

A. No. of short-term training programs organized: Nil

B. No. of orientation programs organized:

As part of primary prevention, several orientation programs were conducted on 'Prevention, early identification and management of communication disorders. The objective of these orientation programs was to create awareness among various target groups on prevention, early identification and management of communication disorders. Table 1 shows the details of the orientation programs conducted by the dept. of PoCD.

Table 1: *Orientation Programs conducted by the department of PoCD at AIISH during 2014-2015*

S. No	Date	Staff who gave the orientation	Topic	Target group	Place	No. of participants
1	03.04 .2014	Dr. Jayashree. C. Shanbal	Prevention, early identification and management of communication disorders	Preschool Teachers	Different schools attended at AIISH as part of Autism Awareness Day, Mysuru	11
2	08.04 .2014	Mr. George Sebastian	Prevention, early identification and management of communication disorders	Nursing Students (B. Sc. & Diploma)	BGS Apollo college of Nursing, Mysuru	38
3	13.04 .2014	Ms. Amulya P Rao & Mr. Sandeep	Prevention, early identification and management of communication disorders	Senior citizens	Basal Ganglia Association, Mysuru	14
4	05.05 .2014	Ms. Sahana P. & Ms. Sindhu	Prevention, early identification and management of	NGO staff members	Mahila Samakhya Karnataka	13

		Priya .C.	communication disorders		(MSKn) Non-Government Organization, Mysuru	
5	12.05 .2014	Ms. Sindhu Priya .C. & Ms. Radhika Mishra	Prevention, early identification and management of communication disorders	Lab Technicians	Dasthi Institute of Paramedical Sciences, Mysuru	17
6	16.05 .2014	Ms. Sushma .M. & Ms. Sunitha .E.	Prevention, early identification and management of communication disorders	Lab Technicians	Dasthi Institute of Paramedical Sciences, Mysuru	31
7	26.06 .2014	Mr.Madhu S Reddy	Prevention, early identification and management of communication disorders	High school Teachers	Govt.High school, Hospet.	20
8	30.06 .2014	Ms. Sahana P. & Ms. Sindhu Priya .C.	Prevention, early identification and management of communication disorders	Staff members	All India Radio (AIR), Mysuru	15
9	18/07 /2014	Ms. Sunitha & Ms. Radhika	Prevention, early identification and management of communication disorders	Preschool Teachers	Lawrence Montessori Preschool, Mysuru.	30
10	18/07 /2014	Mr. Madhu S Reddy	Prevention, early identification and management of communication disorders	Preschool teachers	Smart kiddis Preschool, Mysuru.	11
11	11/08 /2014	Ms. Swathi S & Ms.SindhuPriya C	Prevention, early identification and management of communication disorders	College Students	Banumaiaha PU college, Mysuru	71
12	14/08 /2014	Mr. Madhu S Reddy	Prevention, early identification and management of communication disorders	Nursing Students	JSS college of Nursing, Mysuru	24
13	16/08 /2014	Mr. Madhu S Reddy& Ms.	Prevention, early identification and	Multi Tasking	AIISH, Mysuru	28

		Sahana.P	management of communication disorders	Staff members		
14	18/08 /2014	Ms. Sahana P & Ms. Sunitha E	Prevention, early identification and management of communication disorders	Parents	Good Shepherd School, Mysuru	74
15	18/08 /2014	Ms.Sushma M & Ms. Lakshmi M S	Prevention, early identification and management of communication disorders	College students	Lakshmi Hayagreeva college, Mysore	91
16	27/08 /2014	Mr. Madhu S Reddy& Ms. Sahana.P	Prevention, early identification and management of communication disorders	Staff Members	Swamy Vivekananda youth moment, Mysuru	20
17	27/08 /2014	Ms. Amulya P Rao & Ms. Lakshmi M S	Prevention, early identification and management of communication disorders	College Students	Deepa PU college, Mysuru	26
18	9/09/ 2014	Dr. Jayashree. C Shanbal	Prevention, early identification and management of communication disorders	School teachers	Siddaganga Matt School, Tumkur	21
19	29/09 /2014	Ms. SindhuPriya & Ms.Radhika	Prevention, early identification and management of communication disorders	B.Ed. students and staffs	Basaveshwara college of Education	42
20	7.11. 2014	Ms.Sunitha & Ms. Archana	Prevention, early identification and management of communication disorders	MSW students,	Pooja Bhagvat Memorial Mahajana Educational Centre, Mysuru	45
21	10.11 .2014	Ms.Sunitha, Ms.Roja, Ms.Renjini & Mr.Sabarish	Prevention, early identification and management of communication disorders	Elderly citizens	Little Sisters for the Poor, Mysuru	95
22	17.11	Ms.Zebu,	Harmful effects of	Industrial	Karnataka Silk	64

	.2014	Ms.Deepika, Mr.Adarsh & Ms.Roja	noise and hearing conservation	employee s	Industry Corporation Limited, Mysuru	
23	18.11 .2014	Ms.Deepika, Mr.Adarsh & Ms.Roja	Harmful effects of noise and hearing conservation	Industrial employee s	Karnataka Silk Industry Corporation Limited, Mysuru	54
24	24.11 .2014	Mr.Abdul Azeez	Prevention, early identification and management of communication disorders	Nursing students	K.R.Hospital, Mysuru	43
25	5/12/ 2014	Ms.Archana & Ms.Roja	Prevention, early identification and management of communication disorders	Elderly citizens	BelakuVatsaly adhama-Aid the aged, Mysuru	05
26	28/12 /2014	Mr. Madhu S Reddy & Mr.Sabarish	Prevention, early identification and management of communication disorders	Preschool teachers	PragathiVidya Kendra Bogadhi, Mysuru	06
27	1.1.2 015	Ms.SindhuPri ya.C	Prevention, early identification and management of communication disorders	Govt. Primary school teachers	Different Taluk's of Mysuru.	21
28	23.1. 2015	Ms.Archana & Ms.Roja	Prevention, early identification and management of communication disorders	College students and staff	Govt. first grade college, Kuvempunagar Mysuru.	Studen ts- 91 Staff memb ers- 06
29	30.1. 2015	Ms.Renjini & Ms.Roja	Prevention, early identification and management of communication disorders	College students and staff	Maharani's Science College for women Mysuru.	Studen ts- 60 Staff memb ers- 05
30	30.1. 2015	Mr.Madhu S Reddy	Prevention, early identification and management of communication disorders	Nursing students	Gopal Gowda College of Nursing, Mysuru	Studen ts 97

31	8-2-2015	Mr.Abdul Azeez	Prevention, early identification and management of communication disorders	School teachers	International Montessori School, Mysuru.	103
32	18-2-2015	Ms.Deepika & Ms. Zebu	Prevention, early identification and management of communication disorders	Medical students	Government Ayurvedic Medical College, Near K R Hospital, Mysuru.	30
33	20-2-2015	Mr. Sabarish and SindhuPriya	Prevention, early identification and management of communication disorders	School teachers	St.Joseph Central School, Vijayanagar, Mysuru	39
34	09.03 .2015	Ms. SindhuPriya& Ms. Renjini	Prevention, early identification and management of communication disorders	Nursing students	Cauvery college of Nursing.	78
35	23.03 .2015	Ms.Archana& Ms. Roja	Prevention, early identification and management of communication disorders	Nursing students & staff	C.S.I Holdsworth Memorial Nursing college, Mission Hospital, Mysuru	105
36	27.03 .2015	Mr.Madhu S Reddy & Mr.Adarsh	Prevention, early identification and management of communication disorders	Nursing students & staff	C.S.I Holdsworth Memorial Nursing college, Mission Hospital, Mysuru	76
37	25.3. 2015	Ms. Kruthi H. R.	Prevention, early identification and management of communication disorders	Govt. Anganawadi workers	Sagara Taluk Hospital	30
Total number of target groups oriented						1650

Glimpse of the Orientation



Anganwadi workers



B.Ed Students



Graduate Students



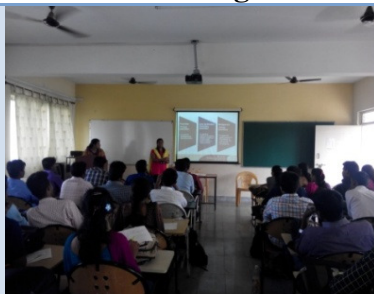
Multi Tasking Staff



MSW Students



Nursing Students



Lab Technicians



Preschool Teachers



P.U College Students

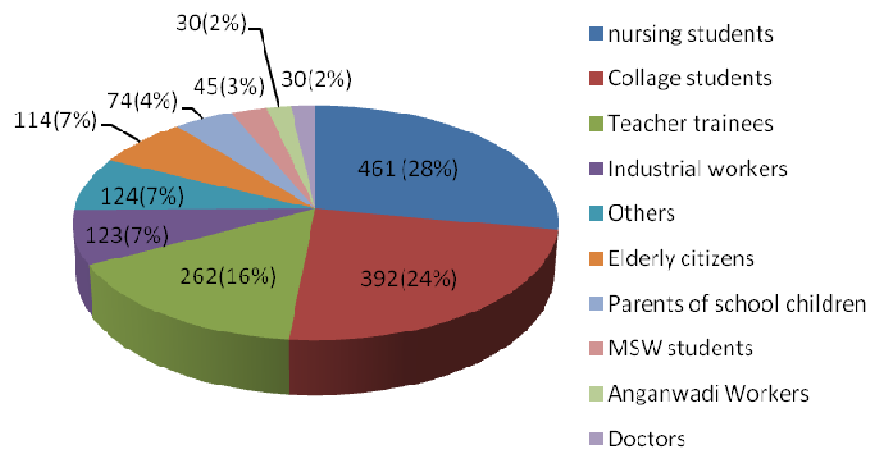


Figure 1: Different target groups oriented in the academic year 2014-15

Note: Others include Lab technicians, Multi-tasking staff, and NGO staff members.

C. Training programs conducted –

02 training programs were conducted during the year. Details are mentioned in the Table 2.

Table 2: Details of the training programs conducted during the year.

S. N	Date	Title of the training program	Target group	Resource persons	Organizers & Venue	Feed back
1	22-12-2014 to 31.12.2014 (10 days)	National consultation of Speech Pathologists and Audiologists	19 Speech-Language Pathologists and Audiologists	20 resource persons from AIISH	PoCD dept. of AIISH, Seminar Hall, Academic Block	73.3% useful
<p>About the program:</p> <p>The Ministry of Health & Family Welfare, Government of India has launched the Rashtriya Bal Swasthya Karyakram (RBSK), Child Health Screening and Early Intervention Services under the National Rural Health Mission (NRHM) in the country. In order to update the knowledge of the professionals of Speech-Language Pathologists and Audiologists, the All India Institute of Speech and Hearing conducted 10 days refresher course on “National Consultation of Speech Pathologists and Audiologists”. The objective of the workshop was to facilitate training and learning by professionals for use of certain standard protocols in terms of prevention, early identification and intervention of communication disorders in children that could be used at the District Early Intervention Centre (DEIC) established by the GoI. During the training process, the professionals were updated with the importance of case history taking, screening, diagnostic procedures, report writing, prevention & early identification of communication disorders, calibration of equipment and guidelines to</p>						

decisions for management of communication disorders.



S. No	Date	Title of the training program	Target group	Resource persons	Organizers & Venue	Feed back
2	09 – 13 March 2015	Induction training program for Professionals on Newborn Screening Program & Communication Disorders	01 Speech-Language Pathologist, 02 Audiologists 02 Speech and Hearing Assistants	07 resource persons from AIISH	AIISH, Mysuru	100 % useful

About the program:

The Department of PoCD initiated three New Born Screening center's at Netaji Subhash Chandra Bose Medical College (NSCB), Jabalpur, The Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER), Puducherry, Dr. Rajendra Institute of Medical Sciences, Ranchi and Outreach Service Centre (OSC) at Sub-divisional Taluk Hospital, Sagara. The new staff members (Speech-Language Pathologist/Audiologist & Speech and Hearing Assistant) were recruited for these centres. The training program was spaced to 05 days to train the newly recruited staff members to update their knowledge on various screening, diagnostic and rehabilitation aspects on communication disorders.



D. Clinical Observation postings of students from other institutes: Nil

E. No. of Seminars/ Conferences /Lectures /Workshop organized/attended

- Organized by the Department**

One seminar was organized from the Dept of POCD. Details are mentioned in Table 4.

Table 4: *Details of workshop organized during the year.*

S. No	Date	Title of the training program	Target group	Resource persons	Organizers & Venue	Feed back
1	21-11-2014 (01 day)	Workshop on sensitization of teachers/resource coordinators on communication disorders	Teachers & Resource coordinators (76)	07 resource persons from AIISH	Depts. of PoCD & DCS, Seminar Hall, AIISH Mysore	86.6 % useful

About the program:

The Departments of Prevention of Communication Disorders (PoCD) and Clinical Services (DCS) jointly conducted one day workshop for teachers and resource coordinators in order to update the knowledge on various communication disorders. The objective of the workshop was to sensitize and create awareness and prevention of communication disorders. Shri. H. R. Basappa, DDPI, Mysore district and Shri. M. D. Shivakumar, DDPI, Mandya district served as a Chief Guest for the workshop and

delivered a key note address. A total of 76 teachers/resource coordinators from both Mysore and Mandya districts attended the workshop.



- **Attended by Staff of PoCD**

Staffs of POCD attended different seminars organized by various Depts. Details are mentioned in Table 5.

Table 5: *Details of workshops attended during the year.*

<i>Sl. No.</i>	<i>Date</i>	<i>Title of the program</i>	<i>Organized by</i>	<i>Staff attended</i>
1	12.5.2014	Guest lecture on APD in Children & Effects of cigarette on DPOAEs in Adults	Dept of Audiology	Dr. Jayashree. C. Shanbal, Mr. Arunraj K, Ms. Sunitha E.
2	26.5.2014	Workshop on Drama therapy	Dept of Special Education	Ms. Amulya.P.Rao
3	27.09.2014	Seminar on “Dementia Risk Reduction: A wakeup call for the brainstem.	Department of Speech-Language Pathology	Dr. Jayashree. C. Shanbal,

4	8.10.2014- 10.10.2014	National seminar on Basic Audiological Screening	Dept of Audiology	Mr. Arunraj K
5	19.2.2015 to 20.2.2015	Signal processing with Matlab	Dept. of Electronics	Ms. Roja S
6	12.2.2015 to 13.2.2015	Pediatric voice disorders: Assessment and Management	Dept of Speech language sciences	Mr.Madhu S Reddy
7	26.3.2015 to 27.3.2015	National Workshop on Acoustic analysis of speech	Department of Speech- Language Sciences	Ms. Archana R

F. No. of Guest Lectures organized : Nil

G. No. of Invited Talks delivered by faculty and staff: Nil

H. Any other:

- **Staff Enrichment Programs:** The Dept. of PoCD conducts staff enrichment programs to the staff of the department in order to update their knowledge and skills in the area of speech and hearing. Details of the same are provided in Table 6 below.

Table 6: *Details of Staff enrichment program organized during the year.*

S.No	Date	Title of the program	Presenter	Staff members
1	16-06-2014	High Risk Registry criteria for Hearing loss	Mr. George Sebastian	Staff of PoCD and NBS Staff Members
2	11-07-2014	Compensating deviant middle ear pressure during Oto-Acoustic measurements	Mr. Sandeep Mohan	Staff of PoCD and NBS Staff Members
3	25-07-2014	Communication	Ms. Sushma	Staff of PoCD

		checklist by the Toronto Preschool Pech & Language services	Manjunath	
4	22-08-2014	Screening for speech and language delay in preschool children	Ms. Sindhu Priya C	Staff of PoCD and NBS Staff Members
5	15-12-2014	Quality indicators in a newborn hearing screening service	Ms. Roja. S	Staff of PoCD
6	09-01-2015	Compensating deviant middle ear pressure during Oto-Acoustic measurements	Ms. Archana R	Staff of PoCD and NBS Staff Members
7	23-01-2015	Newborn Hearing Screening in Neonates Exposed to Psychoactive Drugs	Ms. Deepika D	Staff of PoCD

II. RESEARCH ACTIVITIES

A. Research projects - Ongoing

S.No	Title of the project	Investigators	Fund	Year of Sanction
1.	Development and validation of a computerized screening tool for infant cry analysis	<i>Principal Investigator:</i> Dr. N. Sreedevi <i>Co-Investigators:</i> Dr. Jayashree C. Shanbal & Mr. Arunraj K	AIISH Research Fund (ARF)	2014-15 (One Year)

B. Doctoral and Post-Doctoral Programs : Nil

C. Research papers presented at National /International conferences/seminars

International Conference

- Madhu Sudharshan Reddy, B., Shanbal. J. C., & Arunraj. K. (2015). Awareness on communication disorders in Hospet Taluk of Karnataka: A Preliminary survey report, *Presented as E-Poster in Sound Hearing 2030, 1st World congress on Ear and Hearing held at New Delhi between 12 and 14th Feb 2015.*
- Shanbal, J.C., Arunraj, K., Madhu Sudharshan Reddy & Sunitha, E (2015). “High Risk Indicators for Hearing Impairment In Children- A Preliminary Data“. *Presented in Sound Hearing 2030, 1st World congress on Ear and Hearing held at New Delhi between 12th and 14th Feb 2015.*

D. Research Papers Published: Nil

E. Papers published in National / International Journals: Nil

F. Papers published in Conference/Seminar Proceedings: Nil

G. Book / Chapters Published: Nil

H. Books / Manuals/ Seminar proceedings Edited:

- As part of RBSK (Rashtriya Bal Swasthya Karyakram), a manual titled “Training manual for Speech Pathologists and Audiologists” was developed and published. The manual was released on 22.12.2014 as part of the training program on “National consultation of Speech Pathologists and Audiologists” initiated by Ministry of Health and Family Welfare and organized by AIISH. The details of the publication is
 - Shanbal, J. C., & Ajith Kumar, U. (2014). *Training manual for Speech Pathologists and Audiologists*. A Publication of the All India Institute of Speech & Hearing, Mysore.

I. Scholarly Reviewing Activities: Nil

III. CLINICAL SERVICES

A) General Clinical Services

(i) Follow-up evaluation

The newborns/infants referred during the newborn screening were followed up through telephone calls to parents/caregivers of infants. A complete test battery was administered for those clients who came for follow-up. Table 7 depicts the statistics related to this activity.

Table 7: Details of the results of follow-up evaluation for newborns and infants

Categories	Mysore	Ajmer	Cuttack	Imphal	Total
Normal	32	28	74	11	145
ENT disorders	0	5	5	38	48
Hearing disorder	8	55	68	34	165
Speech and language disorder	5	17	0	0	22
Total	45	105	147	83	380

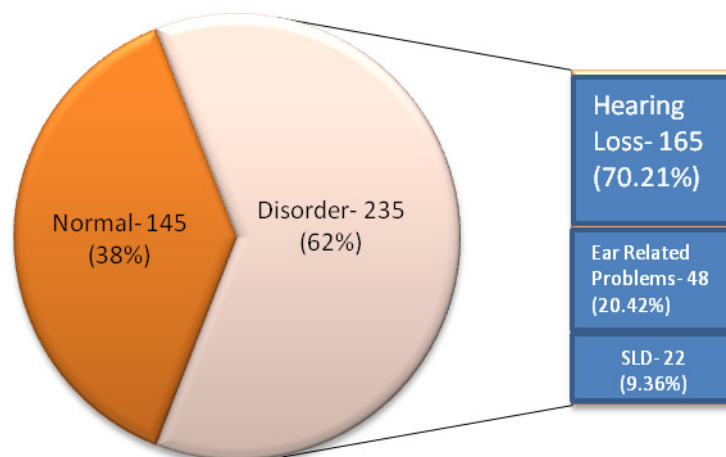


Figure 2: Results of the newborns and infants during the follow-up evaluation.

ii) Hearing evaluation of industrial workers:

Employees from different industries had undergone hearing evaluation at AIISH. A total of 245 employees had registered in the report year. Out of them, 282 ears had identified as hearing impairment on administration of complete audiological test battery. All the registered employees were counseled regarding the importance of hearing protection devices and its need to use regularly in noisy conditions to protect their hearing ability. The details of the hearing evaluation of the employees are represented in Table 8.

Table 8: *Number of ears identified as having hearing impairment*

Month	Name of the Industry	Total Registered	Total no of ears identified as Hearing impairment
August 2014	Karnataka Silk Industries Co. (KSIC)	117	179
September 2014	Bharath Atomic Research Centre (BARC)	77	55
November 2014	BARC	20	13
December 2014	KSIC	11	5
March 2015	RANE, Madras	20	30
	Total	245	282

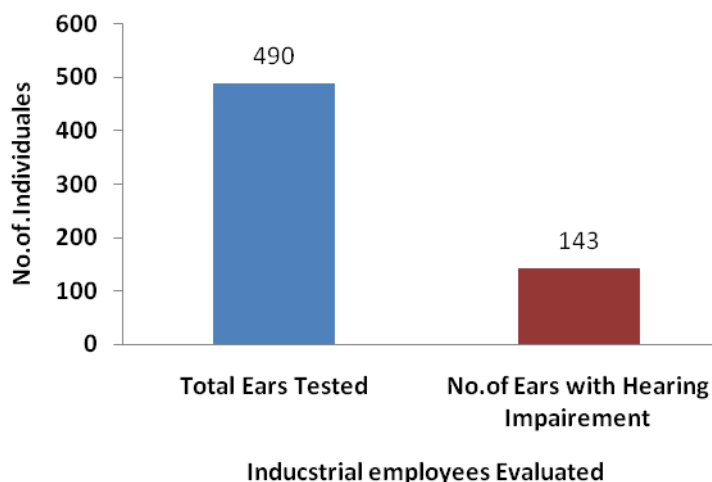


Figure 3: *Details of the Industrial employees identified as having hearing impairment*

- B) Specialized Clinical services: Nil**
- C) Clinical Support Services to Patients and Family: Nil**
- D) Clinical Electronic Services: Nil**

IV. EXTENSION ACTIVITIES

- A) Rehabilitation and Education through Distant Mode: Nil**

- B) Prevention of Communication Disorders**

The department of PoCD is actively involved in carrying out various extension activities such as screening, diagnostic and rehabilitation services outside the institute campus. The activities include newborn/infant screening, screening of school children, screening of elderly citizens, screening of industrial workers, conducting camps and also clinical services offered at the outreach service centers of AIISH. Apart from that, the department is extensively involved in offering clinical services within the institute who were identified at-risk for communication disorders in the screening program and were referred to the institute for further detailed evaluation. The details of the various programs for the report year were as follows.

- 1. New born/Infant screening**

This program is focused on screening the newborns and infants who are at-risk for communication disorders. All the newborns delivered at the hospitals and the infants at the immunization centres were screened using specific protocol including High Risk Register for communication disorders, Behavioral Observation Audiometry (BOA), Oto Acoustic Emission screening (OAE), Primitive reflexes, and developmental Screening Checklists.

Also, the parents and care givers were counseled on normal developmental milestones of speech, language and hearing aspects of the child. Developmental checklist was given to the parents/ caregivers to monitor the developmental milestones of their babies/children. If any delay or deviancies were observed, they were advised to consult the professionals immediately. Identified at-risk newborns were given referral card for detailed evaluation at AIISH within a month

Currently, the screening program is carried out in 15 hospitals and 3 Immunization centers within Mysore; 03 NBS centers in the northern states of India; 03 sub-divisional taluk hospitals, 02 community health centers and 01 primary health centers within Karnataka. The details of the number of newborns and infants screened for communication disorders are given in table 9.

Table 9: *Total number of newborns/infants screened and identified at-risk for communication disorders*

SN	Hospitals/Immunization Centers	Total No. Screened			Total No. at risk for communication disorders
		Male	Female	Total	
Screening at Mysuru					
1.	Apollo BGS Hospital (BAH),	145	135	280	39
2.	Basappa Memorial Hospital (BMH)	104	96	200	28
3.	Combined Hospital (CH)	62	57	119	26
4.	Harsha Hospital (HH)	42	34	76	14
5.	Kamakshi Hospital (KH)	306	300	606	83
6.	KR Hospital (KRH)	4813	4464	9277	2025
7.	Makkalakoota Immunization Center (MIC)	93	139	232	51
8.	Mission Hospital (MH)	365	304	669	142
9.	Immunization Center at Mission Hospital (ICMH)	37	31	68	23
10.	N.P.C Hospital	50	33	83	10
11.	S.M.T.D.H Hospital	291	235	526	97
12.	Railway Hospital (RH)	25	21	46	9
13.	Employees State Insurance (ESI) Hospital	17	20	37	7

14.	Ashwini Nursing Home (ANH)	88	45	133	36
15.	Shree Devi Nursing Home (SNH)	84	68	152	35
16.	GopalaGowdaShanthaveri Memorial Hospital (GGSMH)	37	33	70	18
17.	Family Planning Association Immunization (FPAI) center	124	96	220	42
18.	Mahadeshwara Nursing Home (MNH)	76	51	127	23
	Total (Mysore hospitals)	6759	6162	12921	2708
Outreach Service centers (OSCs) of AIISH					
19	Sub-divisional hospital, K R Nagar Taluk	272	268	540	86
20	Sub-divisional hospital, T Narsipura Taluk	207	171	378	65
21	Sub-divisional Hospital, Sagara Taluk	32	25	57	0
22	Primary Health Centre (PHC), Hullahalli	117	92	209	16
23	Community Health Centre (CHC), Santhemarahalli	178	187	365	57
24	Primary Health Centre (PHC), Akkihebbalu	25	20	45	7
	Total (OSCs)	831	763	1594	231
NBS Centres of AIISH					
25	Sri RamachandraBhanj Medical College and Hospital (SCB MCH), Cuttack	1334	934	2268	445
26	Regional Institute of Medical Sciences (RIMS), Imphal	2287	2243	4530	113
27	Janana Hospital & JLN MCH, Ajmer	3343	1678	5021	458
	Total (NBS centres)	6964	4855	11819	1016
Total (Mysore + OSC + NBS)		14,554	11,780	26,334	5,318

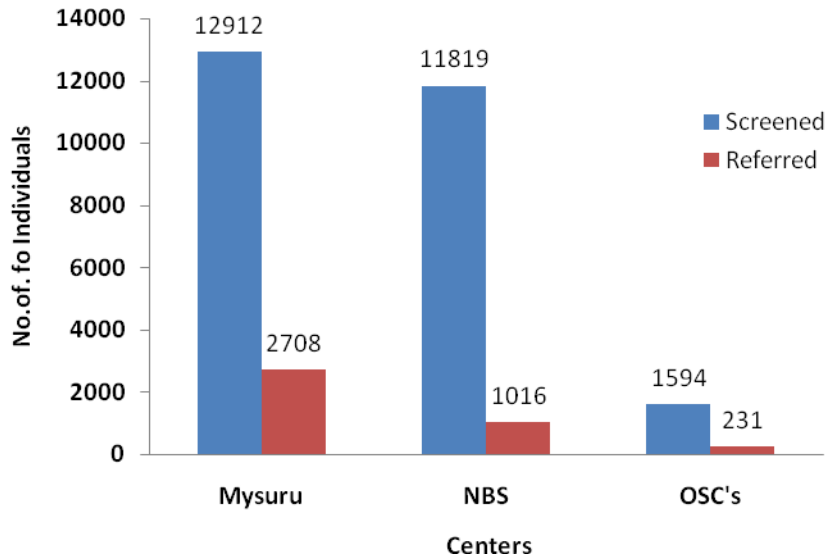


Figure 4: Details of the Newborns/infants screened and referred

2. School screening

Screening of preschool and primary school children were conducted focusing on the early identification of communication disorders and early rehabilitation of children at risk for communication disorders. In the reporting year, a total of 5247 school children were screened for communication disorders and the details are tabulated below in table 10.

Table 10: Total number of children screened for communication disorders and identified.

Month	School	Total screened	Total identified with communication disorders		
			Ear related disorder	Hearing loss	Speech language disorders
July 2014	Lawrence Montessori-Preschool	21	0	0	6
July 2014	Bachpan Preschool	39	3	0	4
July 2014	Cradle Academy preschool	23	1	0	2
July 2014	Smart Kiddies preschool	9	0	0	1
July	Kindergarden Starters	14	0	0	0

2014	preschool				
September 2014	Siddaganga matt, Tumkur	996	314	15	233
November 2014	Siddaganga matt, Tumkur	1801	307	37	191
December 2014	Siddaganga matt, Tumkur	2084	415	15	118
January 2015	Pragathi Vidya Kendra primary and high school	102	8	0	7
February 2015	St. Joseph central school	158	4	0	1
Total		5247	1052	67	563

Glimpse of the School screening



Case History



Ear Examination



Hearing evaluation



Middle ear Analysis



Speech & Language evaluation



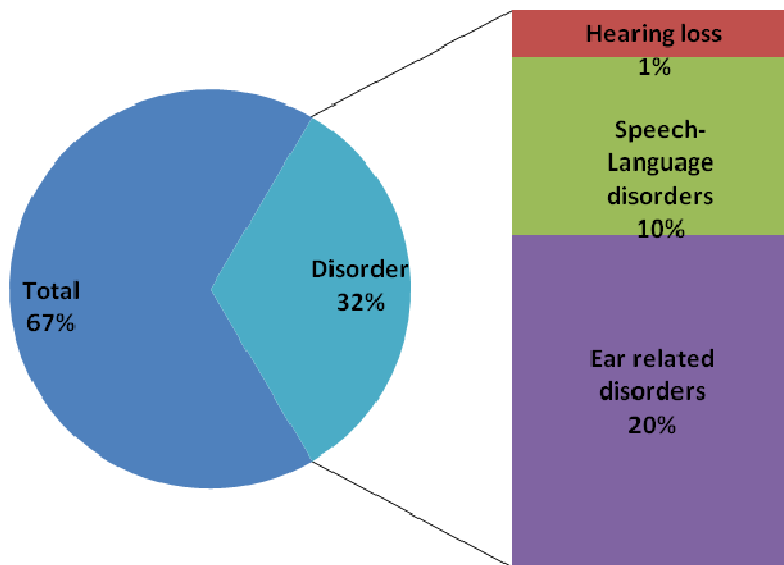


Figure 5: Screening school children for communication disorders

3. Hearing screening of Industrial employees

Screening of industrial employees was regularly conducted as part of the hearing conservation program in various industries. It majorly focused on identifying the employees who were at-risk for hearing loss and refer those employees for detailed hearing evaluation at the institute. Also, employees were sensitized during the screening program regarding the harmful effects of noise and the importance of using hearing protection devices in noisy conditions. A total of 119 employees from Karnataka Silk Industries Pvt. Ltd., Mysuru were screened in the report year and the details are depicted in graph 11.

Table 11: Industrial employees identified as at-risk for Hearing loss

Industry	Total individuals screened	Hearing loss (Ear wise)
KSIC	119	143

Glimpse of the Industrial screening

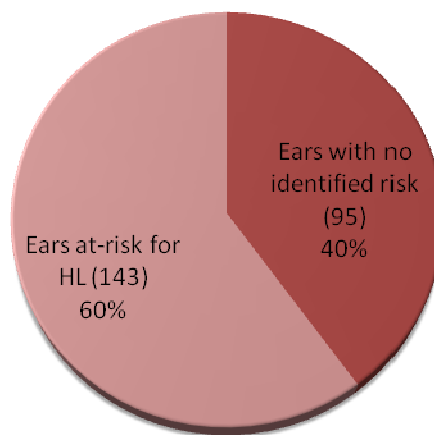
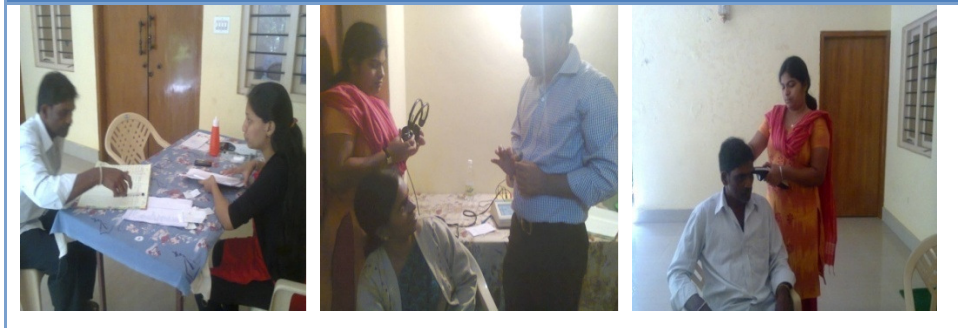




Figure 6: Screening results of Industrial employees.

4. Clinical services for the elderly citizens

The elderly individuals may show a gradual decline in their hearing, cognition, speech and language abilities due to aging or any other conditions such as stroke (CVA), Alzheimer's disease, Parkinson's disease, etc. This program is regularly conducted to facilitate identification and rehabilitation of any form of communication disorders in the elderly individuals. Clinical services were offered at various old-age homes in terms of identification of communication disorders, rehabilitation through speech and language therapy, guidance and distribution of free body level hearing aids. A total of 170 elderly citizens were screened for communication disorders and the details are tabulated below in table 12.

Table 12: Total number of elderly citizens screened, identified and rehabilitated for *Communication disorders*

<i>Old age homes</i>	Month	Total screened	Total identified with communication disorders		
			Hearing disorders	Speech language disorders	Multiple disorders
Vimala Terminal care centre, Mysore	April 2014	24	12	4	2
Basal Ganglia Association, Mysore	April 2014	14	2	0	12
Nirashrithara Parihara Kendra, Mysore	April 2014	32	8	0	7
Little sisters for the poor, Mysore	November 2014	95	50	0	2
Belakuvastalyadham a-Aid the aged, Mysore	December 2014	5	1	0	1
Total		170	73	4	25

<i>Glimpse of the Clinical services for Elderly citizens</i>			
			
Case History	ENT Evaluation	Hearing evaluation	Speech & Language evaluation

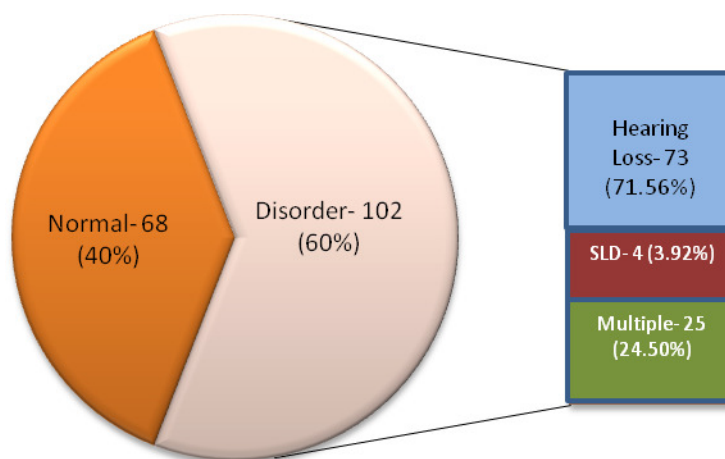


Figure 7: Screening Elderly citizens for communication disorders

5. Clinical Services at Outreach Service Centers (OSCs):

The clinical activities are not only restricted to in and around Mysore, but also extended to rural areas where facilities for clinical services for persons with communication disorders were meager. Currently 04 OSCs (01 sub-divisional taluk hospital at Sagara taluk, Shivamogga District; 03 Primary Health Centre - PHC at Hullahalli, Mysuru district; Akkihebbalu, Mandya district & Karuna trust, Gumballi, Chamarajanagara district) were initiated to meet the objective of extending the services of the institute to rural areas. The OSCs are functioning as a well-equipped unit for screening, diagnostics and therapeutic services for persons with communication disorders. The services include screening, diagnostic and rehabilitation which includes newborn/infant screening, screening of school children, Speech and Language evaluation, Audiological evaluation, ENT evaluation, Speech-Language therapy, issue of free body level hearing aids and ear molds, and counseling and guidance to individuals with communication disorders.

In the current year, a total of 2111 individuals had availed the OSC services. The other details are tabulated below in tables 13 & 14.

Table 13: Details of clients identified with communication disorders at the OSCs.

<i>OSC</i>	Total registered	ENT Disorder (Ear wise)	Hearing Disorder (Ear wise)	Speech & Language Disorder (Individuals)
Primary Health Centre (PHC), Hullahalli	888	1229	281	34
Primary Health Centre (PHC), Akkihebbalu	475	762	238	20
Primary Health Centre (PHC), Gumballi	748	954	430	43
Sub-divisional Hospital, Sagara (PHC) Taluk	9	0	16	1
<i>Total</i>	2111	2945	965	98

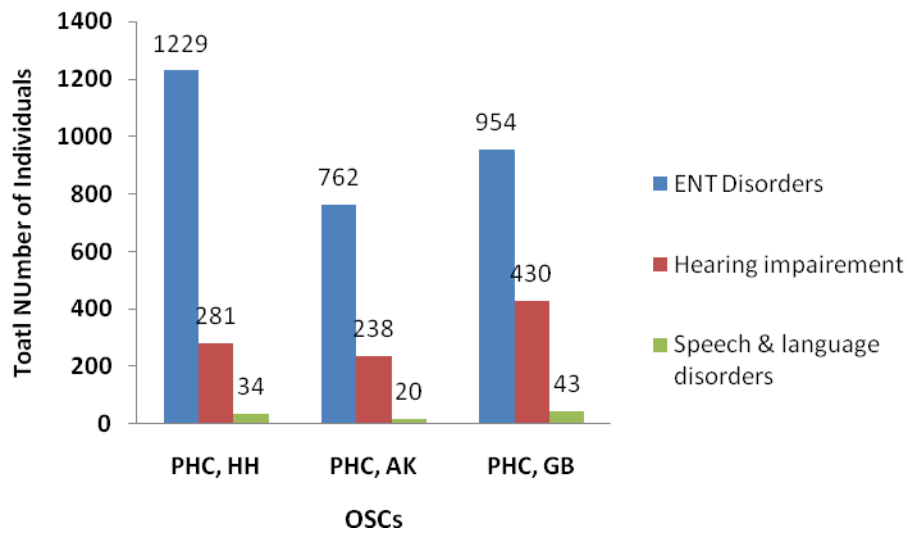


Figure 8: Clinical Evaluation services at OSCs (HH-Hullahalli, AK-Akkihebbalu, GB-Gumballi)

Table 14: Rehabilitation services provided at Outreach service centres

<i>OSC</i>	Hearing Aids Dispensed	Speech-language therapy	
		No. of clients	No. of sessions
Primary Health Centre (PHC), Hullahalli	39	17	110
Primary Health Centre	43	12	170

(PHC), Akkihebbalu			
Primary Health Centre (PHC), Gumballi	60	7	23
<i>Total</i>	142	36	303

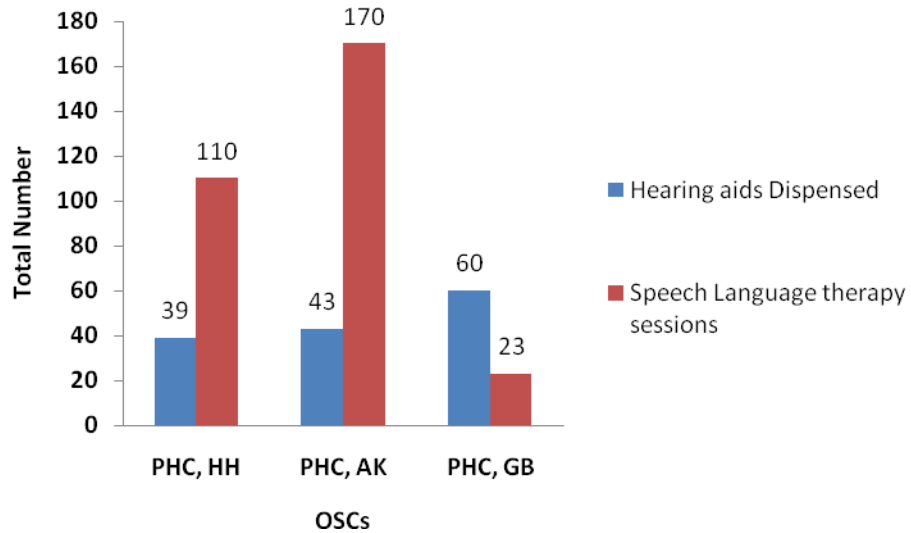


Figure 9: Clinical Rehabilitation services at OSCs (HH-Hullahalli, AK-Akkihebbalu, GB-Gumballi)



6. Camps

Several camps were conducted at various places within and outside Karnataka in the report year by the institute to cater to clinical services to those unreached. Speech and hearing camps conducted focusing on the diagnosis, treatment, and rehabilitation of individuals with communication disorders. A total of 08 camps were carried out by the institute and 01 by the NSS unit of the institute. A total of 1812 clients were benefited from various camps as tabulated below in table 15.

Table 15: Details of Cases seen for different Camps.

Place	Organizers	Month	Total screened/evaluated	Total identified with communication disorders		
				ENT disorders	Hearing loss	Speech language Disorders
Hospet	Lions club	June 2014	393	-	263	95
Mysore	Mysore City corporation,	June 2014	126	16	16	72
Periyapatna	Deputy Director of public instruction Department, SSA, Mysore,	July 2014	12	-	11	-
Mysore	Deputy Director of public instruction Department, SSA, Mysore,	July 2014	80	-	79	-
H.D. Kote	Deputy Director of public instruction Department, SSA, Mysore,	July 2014	20	-	7	13
Hunsur	Deputy Director of public instruction Department, SSA, Mysore,	July 2014	35	-	12	23
Perambalicut	Lions club	Dec. 2014	295	8	170	116
Gujarat	NSS, AIISH	Feb.	710	-	162	-

		2015				
Udupi	Lions club Midtown	March 2015	141	-	85	48
Total			1812	18	805	200

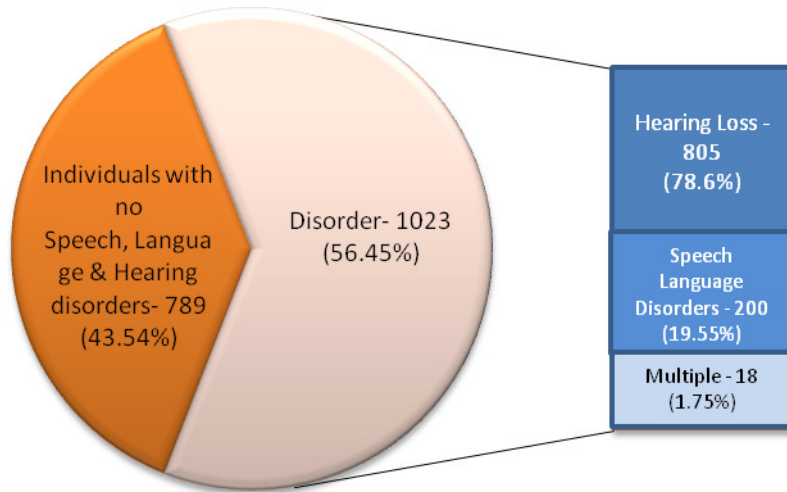


Figure 10: Clinical Evaluation services at Camps

Glimpse of the Camp

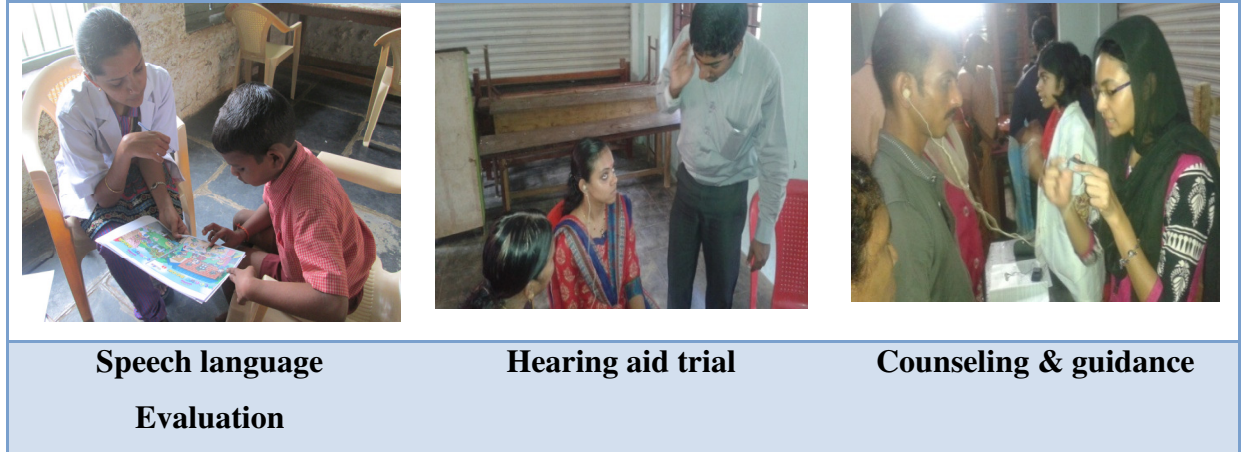


Case history



Hearing evaluation





**Speech language
Evaluation**

Hearing aid trial

Counseling & guidance

V. CENTRAL FACILITIES-

A) Library and information services – Nil

B) Public Information Activities –

1. Rally and Moving Tableau for Noise awareness

Department of PoCD and NSS jointly conducted Moving Tableau and rally on 18.10.2014 to mark the harmful effects of noise during celebration of Diwali festival. The objective of the rally was to spread awareness through slogans, handouts, pamphlets and moving tableau on the harmful effects of noise while bursting crackers, its ill effects and guidelines for its control.

The Moving Tableau was depictive of the adverse effects of noise on hearing and other systems due to crackers in humans as well as in the animals. A total of 18 staff members and 160 NSS volunteers participated in the rally. Dr. Jayashree C. Shanbal, Head, Dept of PoCD and Dr. Sujith Kumar Sinha, NSS Programme officer inaugurated and then flagged off for the beginning of the rally. The rally began from the Ayurvedic College, Mysore and terminated at Ramaswamy circle. Pamphlets on noise awareness, noise standards and bursting of noise free crackers were distributed among the public during the rally.

Glimpse of the Rally



2. Makkala Dasara- 2014 Exhibition

Staff of the department of PoCD participated in 'Makkala Dasara-2014' at Jagan Mohan Palace, Mysore from 26.09.2014 to 30.09.2014. In the exhibition, display materials depicting normal speech, language and hearing development were put up and public education pamphlets were distributed to the visitors of the program. Awareness on various speech, language and hearing disorders, its identification signs and the rehabilitation facilities were carried out. Ms. Sushma Manjunath, Ms. Swathi, Ms. Laxmi, Mr. Sandeep Mohan, and Mr. George Sebastian participated in the exhibition for educating the public.

3. Street Play

As part of primary prevention, street plays on communication disorders were carried out on 31.12.2014 by the Staff members of Dept. of PoCD at Yelandur Taluk, Chamarajanagara District. The Street play focused on prevention and early identification of communication disorders like Hearing loss, Mental retardation,

Stuttering, Cerebral palsy and Learning disability. Public education materials on communication disorders were distributed to the public at the end of the street play.



C) **Orientation Programs:** Reported under the academic activities – Orientation/short term program

D) **Public Lecture Series:** Nil

VI. TECHNOLOGICAL CONSULTANCY SERVICES:

VII. CENTRAL FACILITIES

A) **Library and information services – Nil**

E) **Press Releases and Media Coverage:**

1. Press Releases and Media Coverage

- ✓ The rally and Moving Tableau was conducted on 18.10.2014 to mark the Diwali festival. The program was widely covered in both print and media.

Glimpse of the Media Coverage

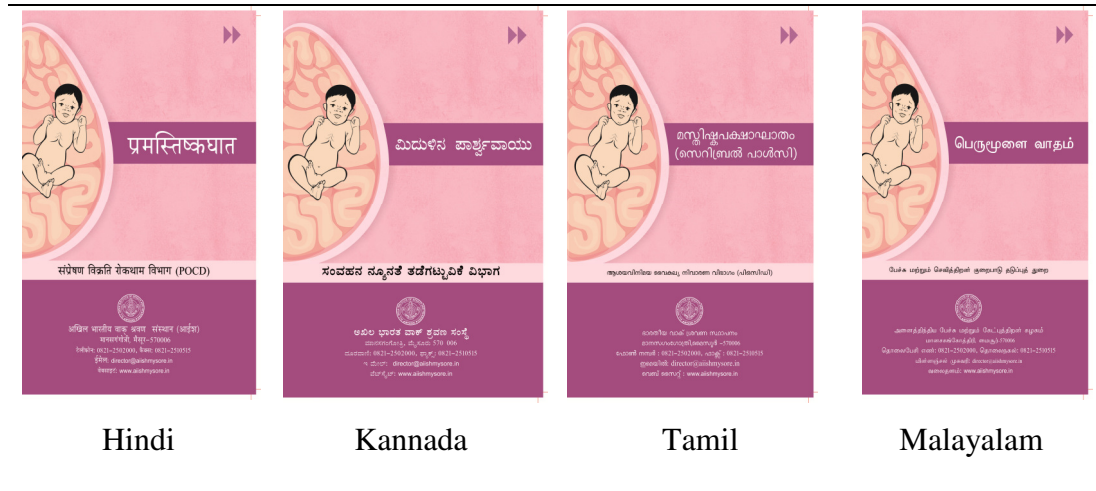
identified and treated; various professionals and institute dealing with communication disorders and also the course offered by AIISH related to speech and hearing. It was broadcasted on 22.08.2014 at 08.00 p.m. and 12.09.2014 at 09.00 a.m.

F) Material Development-

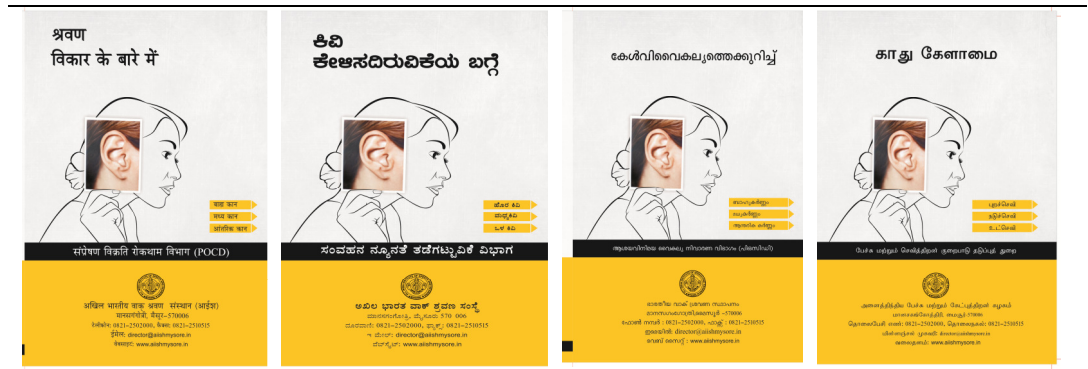
- ✓ Disk pamphlet was developed titled “Newborn Communication Screening” in the Dept of PoCD involving the Master students of AIISH in educating the public. It was finalized and printed in the month of November 2014.



- ✓ Pamphlet titled “Cerebral Palsy” was developed and designed by professionals in various languages like Kannada, Hindi, Tamil, and Malayalam.



- ✓ Pamphlet titled “About Hearing loss” was developed and designed by professionals in various languages like Kannada, Hindi, Tamil, and Malayalam.



Hindi

Kannada

Malayalam

Tamil

- ✓ Pamphlet titled “FAQ’s on Newborn Hearing Screening” was developed and designed by professionals in various languages like Kannada, Hindi, Tamil, and Malayalam



Hindi

Kannada

Malayalam

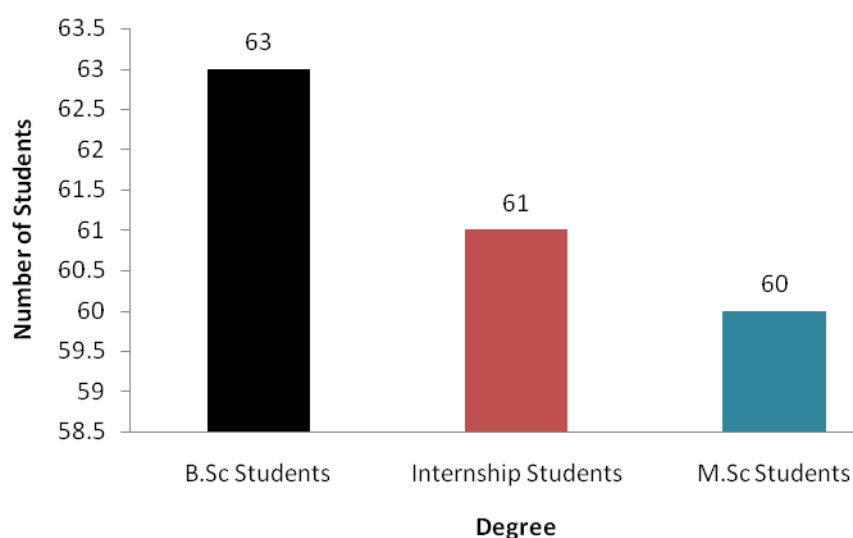
Tamil

- ✓ The following short movies were developed in the Dept of PoCD involving the intern students of AIISH in educating the public.
 - Always Unique Totally Interesting Sometimes Mysterious – A short movie on Autism
 - Does your Baby hear- A short Movie on hearing loss
 - Is my child dull and Lazy - A short movie on Learning Disability
- ✓ Clinical training manual for undergraduates, post graduate and internship students were developed based on their curriculum by the staff of the department. The manual is yet to be field tested with other faculties of the institute.

VIII. AWARDS AND HONOURS RECEIVED BY FACULTY AND STAFF: NIL

IX. HUMAN RESOURCE DEVELOPMENT

- As part of human resource development, Clinical training for Under graduates (B.Sc Speech & Hearing), Post graduates (M.Sc- SLP) & Internship students on Early identification, prevention & rehabilitation of communication disorders and Community based rehabilitation at OSCs were carried out. The details on number of students who had undergone training are given below.



X. EXTRA CURRICULAR ACTIVITIES

a. **NSS:** Mr. Zebu.Y. T & Mr. Sabarish attended the NSS camp organized by NSS unit, AIISH.

b. **AIISH Gymkhana:**

- ✓ Dr. Jayashree C. Shanbal participated in debate competition as a part of National Science Day 2015 celebrations, participated in group song competition as part of National Hindi Day 2014, participated in Table Tennis competition and secured second prize. Dr. Jayashree C. Shanbal participated in Hindi grammar competition and secured first prize.

- ✓ Dr. Jayashree C. Shanbal, Mr. Arunraj K, Mr. Madhu S Reddy and Mr. Zebu Y.T. participated in mini marathon on 7.3.2015, organized by AIISH Gymkhana to publicize the AIISH AWAAZ 2015 cultural fest.
- ✓ Mr. Arunraj K served as in-charge of Events for Prizes as part of AIISH AWAAZ held from 13.3.2015 to 15.3.2015. Mr. Arunraj K served as member for Exhibition committee as part of AIISH AWAAZ held from 13.3.2015 to 15.3.2015. Mr. Arunraj K served as member secretary for Special Event committee as part of Open day celebrations held on 16.12.2014.
- ✓ Mr. Madhu S Reddy was orientation in-charge committee as part of Open day celebrations held on 16.12.2014.
- ✓ Mr. Archana. R was in-charge for Verbatism committee as part of AIISH AWAAZ held from 13.3.2015 to 15.3.2015.
- ✓ Ms. Deepika D was incharge for orientation committee as part of Open day celebrations held on 16.12.2014.
- ✓ Mr. Zebu.Y.T was Spot dance in charge committee as part of AIISH AWAAZ held from 13.3.2015 to 15.3.2015. Mr. Zebu.Y.T was served as Invitation, publicity, information and regulation committee as part of Open day celebrations held on 16.12.2014.
- ✓ Mr. Sabarish was served as member in Exhibition committee as part of Open day celebrations held on 16.12.2014. Mr. Sabarish was served as in-charge for Skit competition as part of AIISH AWAAZ held from 13.3.2015 to 15.3.2015.
- ✓ Mr. Renjini. M was served as in-charge for group song competition as part of AIISH AWAAZ held from 13.3.2015 to 15.3.2015.
- ✓ Ms. Sunitha E was in-charge for orientation committee as part of Open day celebrations held on 16.12.2014.

XI. MAJOR EVENTS OF THE YEAR:

Initiation of screening activity-

- Initiation of newborn screening program in Mahadeswara Nursing home, Siddartha layout with effective from 21.07.2014.
- ABR screening was initiated at Mission hospital on 5th august-2014.
- A new outreach service centre was initiated at the sub-divisional taluk hospitals, Sagara taluk, Shivamogga district. The clinical services of the centre commenced with effect from 16.03.2015
- Newborn screening centres were initiated in 03 BASLP/DHLS study centres (Jawaharlal Institute of Postgraduate Medical Education & Research, Puducherry; Dr. Rajendra Institute of Medical Sciences, Ranchi; & Netaji Subash Chandra Bose medical college, Jabalpur). The clinical activities of newborn screening commenced in the month of March 2015.

Workshop related-

- A one day workshop on sensitization of resource coordinators on communication disorders was conducted on 21.11.2014.
- A 10 day training program on “National consultation of speech pathologist and audiologist” for the professionals (Speech language pathologist & Audiologist) was conducted from 22.12.2014 to 31.12.2014.
- Induction training program for professionals on new born screening and communication disorders was conducted from 9.3.2015 to 13.3.2015.

Publication education related-

- Students and staff of the department were participated in Youth Programme (2 parts) conducted by the All India radio (100.6 FM) on 23/7/2014 and 13/8/2014. The same was broadcasted on 22.08.2014 at 08.00 p.m. and 12.09.2014 at 08.00 p.m. respectively.

Dept. Related-

- Department Peer review meeting was held on 09.07.2014.

- 3rd & 4th Internal Audit and the ISO Surveillance audit of the department were held in the reporting year.

Research related-

- Two research papers were presented in the international conference. Mr. Arunraj K, Clinical assistant, attended and presented the research paper at the '1st World Congress on Ear and Hearing care, Sound and Hearing 2030' conference and the pre-conference workshop held between 11.2.2015 to 14.2.2015.

XII. VISITORS

Date	Name of the Visitors	Designation
1.5.14	PG Clinical Psychology students, Surana College, Kengeri, Bangalore	Students (27) & Staff members (02)
9.5.14	Samuha Samarthya, Koppal	Special Educators (09) & Social worker (01)
17.10.2014	Dr. Harsha Vardhan	Hon'ble Minister of Health and Family Welfare, Govt of India.
17.10.2014	Dr. U. T. Khadar	Hon'ble Minister of Health and Family Welfare, Govt of Karnataka.
17.10.2014	Sri. Srinivas Prasad	Hon'ble Minister for Revenue and District in charge Minister.
17.10.2014	Sri. Lov Verma	Secretary, Ministry of Health & family welfare, Govt of India.
17.10.2014	Sri. Pratap Simha	Hon'ble MP, Mysore & Kodagu constituency
27.11.14	Mr.Venkatesh	Dr. Chandrashekar institute of speech and hearing
27.11.14	Mr. Shantavardhan	Dr. Chandrashekar Institute of Speech and Hearing

27.11.14	Mr.Rangasayi Director (Technical)	Dr. Chandrashekar Institute of Speech and Hearing
27.11.14	Dr.Madhuri Gore Principal	Dr. Chandrashekar Institute of Speech and Hearing
22.12.14	Mr. Premjith	Information, Education & communication officer (IEC), RBSK Unit MoHFW, GoI
22.12.14	Participants of RBSK programme	4-BASLP, 4-MASLP, 11- DHLS
22.1.15	Prof. Habil. Ulrike. M. Ludtke	Faculty of Humanitics, Dept of SLP, Leibniz University, Germany
22.1.15	Ms. Kirsten Beta	Ph.D student, Dept of SLP, Leibniz University, Germany
27.2.2015	Dr. Shivakumar	Director, ISRO
10.3.2015	15 Students from NAIR Hospital, Mumbai	BASLP Students

XII. OTHERS:

1. Dept. Related

- ✓ Preparation of RBSK training manual and the report.
- ✓ Dr. Jayashree C. Shanbal & Mr. Arunraj K attended the interactive session on Public procurement on 26.2.2015.
- ✓ Stock verification of the equipments was done in the Dept. of PoCD on 13.3.2015

2. OSC related

- ✓ Dr. Jayashree C. shanbal, Head, PoCD & Mr. Arunraj. K, Clinical Assistant visited the Subdivision Sagar Taluk Hospital along with DC & DHO office between 12-12-2014 and 13-12-2014.
- ✓ Dr. S. R. Savithri, Director & Dr. Jayashree C. Shanbal visited the OSC at Sagar Taluk on 12th January 2015.
- ✓ Mr. Arunraj K, Clinical assistant visited the OSC at Sagar Taluk Hospital between 16-03-2015 and 17-03-2015 and conducted 02 meetings with the doctors.

3. NBS related

- ✓ Dr. S. R. Savithri, Director & Dr. Jayashree C Shanbal visited the NBS centres Jabalpur, Ranchi and Puducherry on 16th Feb 2015, 19th Feb 2015 & between 27th and 28th of February-2015 respectively.

4. Recruitment/Relief of duties

- ✓ The following staff members completed their contract term and were relieved of their duties from the Department of POCD

Staff on contract basis	Designation	Relieved on
Mr.Sushanth Kumar	Speech & Hearing Assistant	15.9.2014
Ms. Amulya P Rao	SLP Gr I	29.09.2014
Mr. Madhu Sudarshan Reddy	SLP Gr I	29.09.2014
Ms. Sushma Manjunath	SLP Gr I	29.09.2014
Mr. Sandeep Mohan	Audiologist Gr I	29.09.2014
Ms. Sindhu Priya	SLP Gr I	03.10.2014
Ms. Radhika Mishra	Audiologist Gr I	03.10.2014
Ms. Sahana P.	Audiologist Gr I	10.09.2014
Mr. George Sebastian	Audiologist Gr I	10.10.2014
Ms. Sunitha E.	ASLP Gr II	10.09.2014
Ms.Shobhashree	Administrative Assistant	15.9.2014.
Mr.Chandan Behera	Audiologist Gr I	10.10.2014
Ms.Sanjitha Moirangthem	ASLP Gr II	23.12.2014
Ms.Subhatak	Audiologist Gr I	30.1.2015
Mr.Dillep	Speech & Hearing	26.12.2014

	Assistant	
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- ✓ The following staff members were recruited on contract basis in the Department of PoCD

Staff on contract basis	Designation	Reported on
Mr.Sushanth Kumar	SH Assistant	14.7.2014
Ms. Renjini Anne Mathew	SLP Gr I	13.10.2014
Mr. Abdul Azez	SLP Gr I	13.10.2014
Ms. Deepika	SLP Gr I	16.10.2014
Mr. Zebu Yohanna Thampi	Audiologist Gr I	9.10.2014
Ms. Archana	SLP Gr I	13.10.2014
Ms. Roja Sale	Audiologist Gr I	10.10.2014
Mr. Madhu Sudarshan Reddy	SLP Gr I	8.10.2014
Ms. Sunitha E.	Audiologist and Speech Language Pathologist Grade II	17.09.2014
Mr.Adarsh Kumar	Audiologist Grade 1	5.11.2014
Ms.SindhuPriya	Speech-Language pathologist Grade II	10.11.2014
Ms.Gagana	Speech language pathologist Grade II	12.11.2014
Mr.Aravind Palaria	SH Assistant	10.7.2014
Ms.Subhatak	Audiologist Grade 1	9.7.2014
Mr.Elangbam Dilip Singh, NBS Centre, Imphal	SH Assistant	5.1.2015
Ms.Nongmaithem Rojina Devi, NBS centre, Imphal	Audiologist Grade 1	23.12.2014
Ms.Mukesh Kumar, NBS, Ranchi	Audiologist Grade 1	16.3.2015
Mr.Jitesh Sahu, NBS, Cuttack	Audiologist Grade 1	20.10.2014
Mr.Barsa Barnali Mohanty, NBS Centre, Cuttack	SH Assistant	8.12.2014
Mr.Mohan Dass, OSC,	Audiologist Grade 1	16.3.2015

Sagar Subdivision Hospital		
Ms.Kruthi gowda, OSC, Sagar Subdivision Hospital	Speech-Language pathologist Grade I	16.3.2015
Ms. JIPMER, NBS Centre, Pudecherry	Audiologist Grade 1	16.3.2015
Mr.Deoraj saraswati, NBS Centre, Ranchi	SH Assistant	16.3.2015
Mr.Anand Kumar, JIPMER, NBS Centre, Pudecherry	SH Assistant	16.3.2015
Ms.Enu Tadavar	SH Assistant	16.3.2015
Ms.Praveena	Audiologist Grade 1	1.4.2015

Sd/-
Head, Dept. of POCD