



ANNUAL REPORT

1993-94

ALL INDIA INSTITUTE OF SPEECH AND HEARING
MYSORE-570 006

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INTRODUCTION

All India Institute of Speech and Hearing, Mysore, came into being on 9th August 1965 under the aegis of Union Ministry of Health & Family Welfare, wholly financed by the Government of India. It is registered under the Societies Registration Act XXI of 1860 (Punjab Amendment) Act 1957, and is working as an autonomous body.

The main objectives of the Institute are imparting professional training, clinical services and research in the field of communication disorders. The University of Mysore has accorded affiliation for teaching programme leading to the award of B.Sc., M.Sc. and Ph.D. degree in Speech and Hearing.

This is the only institution in South-East Asia which offers professional training in Speech and Hearing at the post-graduate levels. The Institute also conducts short-term and orientation programs.

The following are the departments concerned with the academic, professional activities of the Institute.

1. Audiology
2. Speech Pathology
3. Speech Sciences
4. Clinical Psychology
5. Otorhinolaryngology
6. Electronics

The Departments are actively engaged in independent research projects in addition to collaborative research projects. They also conduct workshops and seminars and public education programs in Speech and Hearing. The Institute has been recognised by the Government of India as advanced centre for training and clinical services in speech and hearing.

A full fledged Clinic has been developed to provide diagnostic evaluations, treatment, counselling and rehabilitation facilities for the Speech and Hearing handicapped and also to associated psychological and otolaryngological problems.

Ever since its inception, the All India Institute of Speech and Hearing, the Speech and Hearing-impaired from both within and outside the country have been availing the clinical services provided in the Institute premises. Facilities are available for evaluation of patients of all ages who have problems such as voice, speech, language and hearing-impairment, mental retardation, and otolaryngological involvements. The involvement of highly qualified

professional staff of AIISH as well as the medical faculty from the K.R. Hospital in these activities ensures expert services of the population concerned.

Remedial and/or rehabilitative program is taken up within the Institute or outside, depending on the needs of individual patients. Wherever the patient is a potential beneficiary of the several welfare schemes instituted by the State/Central Government, appropriate certificates are issued. The Institute is one of the agencies through which the Ministry of Welfare, Govt. of India, distributes hearing aids under the Aids and Appliances Scheme.

Patients are referred to the Institute by local as well as outside medical professionals, teachers from Schools and RC (Ministry of Welfare), Govt. of Karnataka. This indicates the reputation the Institute has established over the years.

The demand for services has always far exceeded the facilities that can be made available within the budgetary provisions.

The main avenues utilized by the Institute for disseminating information ranged from newspapers, articles and public education pamphlets, radio talks, exhibitions, audio-visual presentations and publishing a specialized journal THE JOURNAL OF ALL INDIA INSTITUTE OF SPEECH AND HEARING.

OBJECTIVES OF THE INSTITUTE

The objectives of the Institute as enshrined in the Memorandum of Association are as follows:

I. Training

- a) To provide and assist in providing general, professional and technical education and training in Speech and Hearing for graduate, post-graduate and doctorate courses of a University.
- b) To provide and assist in providing general, professional and technical education and training to various categories of personnel e.g. medical, para-medical, non-medical, etc.
- c) To undertake, organize and facilitate study courses, conferences, lectures, seminars and the like to promote the above mentioned objectives.
- d) To undertake and provide for publication of journals, research papers, etc., and to establish and maintain libraries and information services in furtherance of the objectives of the Society.
- e) To invite representatives of governments, universities and other organizations of India and of foreign countries to deliver lectures on subjects in which the Society is interested.
- f) To co-operate with international agencies engaged in speech and hearing research and training and arrange for interchange of personnel, material and data.
- g) To institute, offer and grant prizes, awards, scholarships, research grants and stipends in furtherance of the objectives of the Society.

II. Research

- a) To provide and assist in providing facilities and encouragement to research in speech and hearing, their disorders and the concerned diseases of ear, nose and throat.

III. Clinical Services

- a) To provide and assist in providing clinical and surgical services for those with speech and hearing handicaps and ear, nose and throat diseases.

- b) To assist in the development of speech and hearing clinics in hospitals and other centres.

IV. Public Education

- a) To educate the public about persons with communicative disorders.
- b) To stimulate interest in speech and hearing through publicity and mass communication and to cooperate with other agencies and institutions or professional associations.

V. Administration and financial

- a) To create administrative, technical, ministerial and other posts under the Society and to make appointments thereto in accordance with the rules and regulations of the Society.
- b) To appoint and hire services or discharge/terminate the services of personnel and to pay them in return for the services rendered to the Society, salaries wages, gratuities, provident fund and other allowances or remuneration in accordance with the rules and regulations of the Society.
- c) To borrow and raise money and funds to further the objects of the Society and to raise or collect funds by gifts, donations, subscriptions or otherwise of cash and securities and any property either movable or immovable and to grant such rights and privileges to the donors, subscribers, and other benefactors as the Society may consider fit and proper.
- d) To invest and deal with funds and money of the Society.
- e) To subscribe to, or become a member of, or to cooperate or amalgamate with any other association or Society whose objects are similar.
- f) To sell, assign, mortgage, lease, exchange and otherwise transfer or dispose of all or any property movable or immovable, of the Society for the furtherance of its objects or any of them, provided prior approval of the Central Government is obtained for any disposition of immovable property.
- g) To negotiate and enter into contracts on behalf of the Society and vary and rescind such contracts.
- h) To accept and undertake the management of any endowment

or trust fund or donation to further the objectives of the Society.

- i) To establish a contributory provident fund and gratuity for the benefit of the employees of the Society.
- j) To pay all costs, charges and expenses incurred in the promotion, formation, establishment and registration of the Society.
- k) To do all such other lawful acts, deeds, things either alone or in conjunction with other organization or persons as the Society may consider necessary, incidental or conducive to the attainment of the above mentioned objectives or any of them.
- l) To undertake any other function that may be assigned to the Society by the Ministry of Health and Family Planning (Department of Health), Government of India in connection with speech and hearing.

GOVERNING AUTHORITIES OF THE INSTITUTE

EXECUTIVE COUNCIL

Hon'ble Union Minister
for Health & Family Welfare
Government of India
Nirman Bhavan
NEW DELHI 110 011.

Chairman

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

Vice Chairman

Vice-Chancellor
University of Mysore
Crawford Hall
MYSORE 570 005.

Member

Secretary to
Government of India
Ministry of Health &
Family Welfare
Government of India
Nirman Bhavan
NEW DELHI 110 011.

Member

Director General of
Health Services
Government of India
Nirman Bhavan
NEW DELHI 110 011.

Member

Additional Secretary (Health)
Ministry of Health &
Family Welfare,
Government of India
Nirman Bhavan
NEW DELHI 110 011.

Member

Joint Secretary (FA)
Government of India
Ministry of Health &
Family Welfare
Nirman Bhavan
NEW DELHI 110 011.

Member

Joint Secretary to
Government of India
Ministry of Welfare
Shastri Bhavan
NEW DELHI 110 001.

Member

Joint Secretary to
Government of India
Ministry of Health &
Family Welfare
Nirman Bhavan
NEW DELHI 110 011.

Member

Secretary to
Government of Karnataka
Department of Health
and Family Welfare
Multistoreyed Building
BANGALORE 560 001.

Member

Director of Medical Education
Government of Karnataka
Ananda Rao Circle
BANGALORE 560 009.

Member

Three nominees of Chairman,
Executive Council

Members

One nominee of the Director., AIISH

Member

Director,
All India Institute of
Speech and Hearing
MYSORE 570 006.

Member Secretary

FINANCE SUB-COMMITTEE

Additional Secretary (Health)
 Ministry of Health & Family Welfare
 Government of India
 Nirman Bhavan
 NEW DELHI 110 011.

Chairman

Director General of Health Services
 Government of India
 Nirman Bhavan
 NEW DELHI 110 011.

Member

Joint Secretary (FA)
 Ministry of Health and Family Welfare
 Government of India
 Nirman Bhavan
 NEW DELHI 110 011.

Member

Secretary to the
 Government of Karnataka
 Department of Health & Family Welfare
 Multistoreyed Building
 Dr. BR Ambedkar Road
 BANGALORE 560 001.

Member

Director
 National Institute for Mental Health
 and Neuro Sciences
 BANGALORE 560 029.

Member

Director
 All India Institute
 of Speech and Hearing
 MYSORE 570 006.

Member-Secretary

ACADEMIC SUB-COMMITTEE

Director Medical Education Government of Karnataka BANGALORE.	Chairman
Deputy Director General of Health Services Medical Education Government of India Nirman Bhavan NEW DELHI.	Member
Director Central Institute of Indian Languages MYSORE	Member
Heads of Departments of Audiology Speech Pathology, Speech Sciences, ENT, Clinical Psychology, Electronics All India Institute of Speech and Hearing, MYSORE 570 006.	Members
Professor Emeritus NIMHANS BANGALORE.	Member
One Representative from University of Mysore MYSORE.	Member
Director Institute of Speech & Hearing BANGALORE.	Member
Principal Government Medical College MYSORE 570 021.	Member
Director All India Institute of Speech & Hearing MYSORE 570 006.	Member-Secretary

**FROM THE DESK OF THE DIRECTOR: HIGHLIGHTS OF THE YEAR
1993-94**

Completion of Speech Block: The above work was completed in all respects during the year and the Departments of Speech Sciences and Speech Pathology have started functioning in the new building. The total expenditure on the building is Rs.36.20 lakhs including Electrical and Acoustical treatment to four rooms.

Behavior Therapy Unit: Under the VIII Five-Year plan programs, "Behavior Therapy" Unit of the Clinical Psychology department was completed.

Equipments from WHO: The WHO released equipment worth \$2,11,000 for the year 1992-93. They are being effectively used for the training, research and clinical work. Some of these equipment have considerably reduced our examination and evaluation time in clinical work. Two members of the staff visited advanced centres in Speech and Hearing in the United States of America under the WHO Fellowship program.

Nomination: The Union Ministry of Welfare nominated Dr. (Miss) S. Nikam, Director of the institute to the first General Council of the Rehabilitation Council of India constituted to regulate the training of rehabilitation professionals and the maintenance of a central Rehabilitation Register. Dr. (Miss) S. Nikam is the only representative from the field of Speech and Hearing nominated to the General Council.

Dr Nikam was also nominated as the chairperson and Dr Prathibha Karanth as member of one of the six sub committees set up by the council and it will interact with professionals in the field of speech and hearing.

Deputation: Mrs Asha Yathiraj and Mrs Vanaja were deputed to USA on WHO Fellowship on Aural Rehabilitation to Central Institute of the Deaf, St. Louis, CID, USA. And many of our faculty and clinical staff actively participated in the National Conference of Indian Speech and Hearing Association held at Patna in February 1994 and presented papers and chaired scientific sessions. There was also effective participation of the institute in the Southern Regional Conference of ENT held at Mysore.

Training Programme: Examination for B.Sc. and M.Sc. were conducted as per the schedule of the University and results were announced in record time. Several short term training programs were conducted and these are proving to be very popular. Initiation of these programs is a godsent to those interested in acquiring knowledge in this field through

quality programs for a small fee of Rs 50/= per person per course.

The highlight of the training programme of the year was the visit of Dr Donald Henderson, professor and chairperson of the department of Communication Disorders and Science, State University of New York, Buffalo, U.S.A. Dr Henderson, delivered guest lectures for three days from 21st February 1994 on varied topics including his current area of research on "effects of noise".

Workshop on dance/movement therapy was held on 25 June 1993 by Ms. Tripura Kashyap. Staff of the therapy clinic participated along with other staff of the institute.

Modification of Clinical Proformae: The clinical proformae which were in use were reviewed. The modified proformae are under print.

Material Development: Ear infection resulting in hearing loss among the swimmers is a common phenomenon. To ameliorate this problem "ear Mould" made of special acrylic material has been manufactured at the institute's Earmould Lab and made available to the swimmers at cost price. These moulds were readily accepted by the swimmers and there is growing demand for these moulds. It was also a source for generating internal revenue.

Library: One hundred and fifty three books and 39 journals were added during the year under report bringing total volumes to 10198. Twenty first Volume of the AIISH Journal was published as the Silver Jubilee issue. The total number of journals subscribed to remained the same as in previous years.

Prizes and Honors: As in the previous years, the Horticulture section of the Institute did us proud by winning several prizes.

XXVIII anniversary of the institute on 9th August was a time to sing and a time to dance. The chief guests of the function were Swami Sureshanandaji, from Sri Ramakrishna Ashram, Janale Mir Hayath Sabib Sir Khazi of Mysore and Rev. Father Naronha, Head of Parish Church. Our staff and students who are from the cross section of the society hailing from four corners of the country presented programs representative of our rich cultural heritage. As usual, the item presented by the children receiving therapy was the piece de resistance.

Official Language Implementation Committee: The IV one-Day Workshop in Hindi conducted laid emphasis on the use of Hindi in administration. Ten Members of the staff were deputed for this Workshop. Hindi Week was observed by

conducting several competitions in use of Hindi and prizes were distributed to the winners.

Public Education: Increasing awareness among the public and implementation of a program of prevention is in the forefront of our activities. In this program Diwali has a special place because it is a time to laugh and a time to cry for some who do not take adequate protective steps. Stickers prepared at the Institute were distributed. Posters were displayed in schools and slides on the hazards of loud noise were screened in cinema theaters. Diwali was an occasion to step up our public education programme. Various dolls, models, equipments and other teaching aids were displayed in the therapy clinic highlighting the rehabilitation work. Makara Sankranti was celebrated on 17 Jan 1994 and ellu was distributed to the staff, by children attending therapy and their parents.

Third Sunday of March, every year is a 'Get-to-gather' day with the members of Round Table-21 and the theosophical order of services to observe the "World Day of the Disabled". The cheering news for the grown ups was the receipt of tricycles and sewing machine, including one to the Institute received as donation. This year's surprise gift to the children receiving speech therapy at the institute was a "Merry Go Round" added to our Speech therapy Park. They also received many prizes for their participation in sports and games.

NSS Activity: Under the NSS programme our students put up street plays in rural areas educating the rural masses regarding the speech and hearing problems. To help the general public to further their knowledge in social, scientific and educational spheres the Institute participated in two science exhibitions one conducted by the local Holdsworth Memorial Hospital and another in the South India Science Mela organized by the public Information department of Government of Karnataka and the Vishweshwaraiah Institute of technology. Our stalls were popular at both the exhibitions attracting a large crowd. Sadbhavana Day was organised by NCC group on 20.8.1993.

Banking Service: The Mysore branch of Bank of Baroda opened it's first Extension counter in Mysore in the campus of the Institute. This physical proximity between the bank and the Institute augurs well for evolving innovative programs for helping the handicapped. In collaboration with the Bank children's day was celebrated on 11 Nov 1993, by conducting various competitions for children of the therapy clinic and prizes were distributed to the winners.

TRAINING

The primary objective of the Institute is to train undergraduate and postgraduate students in the field of speech and hearing who in turn can serve the speech and hearing handicapped in India. Our Institute is the only Institute in the country offering both undergraduate and postgraduate degrees in the field. The student trainees are given training in both the practical and theoretical aspects of speech and hearing, both normal and abnormal.

Training program is conducted as per the course of study approved by the University of Mysore. Periodical tests and assignments were conducted by the respective staff. Annual examinations as well as supplementary examination for B.Sc., were conducted as prescribed in the examination manual of the Mysore University.

Department of Audiology

The student-trainees are given training in both the practical and theoretical aspects of hearing, and it's disorders. Periodical tests, assignments and examinations were conducted. Twenty three Independent projects were completed. Twenty four Independent projects and two dissertations are being carried-out under the guidance and supervision of staff of the Department.

External candidates have undergone the following short-term training programs: (1) Calibration of audiometers (2) Audiological tests (3) Impedance audiometer (4) Evoked response audiometry (5) Identification of children with speech and hearing problems (6) Custom made earmold making (7) Insertion gain measurement (8) Auditory training (9) Electroacoustic measurement of hearing aids (10) Noise pollution.

The short-term training conducted in the ear mould lab included earmold making, training in taking ear impressions and making plaster forms, and advance course in making earmolds.

Department. of Speech Pathology

In this department the students are trained in both the practical and theoretical aspects of speech, language and related disorders. Students were given training in administration of many tests for articulation disorders, language disorders, fluency disorders and voice disorders. Students were also trained to interview and test the cases exhibiting different kinds of speech and language problems.

Ten dissertations were completed under the guidance of the departmental staff.

Department of Speech Sciences

Normal aspects of speech and voice is the focus of training in this department. The students are given training in the use of diagnostic equipment and in measuring the significant parameters. Periodical tests, assignments and examinations were conducted. Eleven dissertations were completed under the guidance of the departmental staff.

Department of Clinical Psychology

Teaching B.Sc and M.Sc students of the Institute in various subjects of Clinical Psychology has remained as one of the major responsibilities of the department. The students posted to the department are assigned to case history taking, testing and observation of cases under the supervision of departmental staff. The students also received training in therapeutic procedures and counselling of cases.

Department of ENT

The undergraduate and postgraduate students of the institute are being trained in the field of diseases of ear, nose and throat by way of lectures. The students are also provided with practical demonstrations of pathology of the speech and hearing disorders and ENT diseases when they are posted in the department.

Department of Electronics

The students (I B.Sc and II M.Sc students) are given training in basic electronics and acoustics including practicals and servicing of Hearing Aids and other equipments during their clinical postings.

I. ADMISSIONS

The admissions for I B.Sc. & I M.Sc. were made according to the rules and regulations of the University are as follows:

I B.Sc.

	Male	Female	Total
Zones - South	0	4	4
North	0	5	5
East	4	1	5
West	1	3	4
SC/ST	1	3	4
Foreign	0	3	3
General merit	1	4	5
TOTAL	7	23	30

I.M.Sc.

	M	F	Total
General merit	2	16	18
In-service	0	1	1
SC/ST	4	0	4
TOTAL	6	17	23

TOTAL NUMBER OF CANDIDATES IN THE YEAR 1993-94

Year	Undergraduate	Postgraduate	
I	30	23	
II	32	24	
III	27	--	
Total	89	47	136

Results

The results were declared on the following days.

I B.Sc.,	22.6.93
II B.Sc.,	22.6.93
III B.Sc.,	15.6.93
I M.Sc.,	16.9.93
II M.Sc.,	16.9.93

Syllabus

The modified syllabus has been implemented from the academic year 1993-94.

DOCTORAL PROGRAM

	Male	Female	Total
Ph.D awarded	3	1	4
Working for Ph.D.	5	5	10
Ph.D theses submitted	1	2	3
Registrations	1	1	2
Appeared for Ph.D qualifying examinations	0	2	2

Syllabus for the pre Ph.D qualifying examination was prepared and submitted to the University of Mysore.

Educational Tour

The II M.Sc., students were taken on educational tour to visit various Institutions in Patna, Hyderabad, Madras and Bangalore.

AIISH Merit Scholarships

Ten merit scholarships (Rs.400/-) for B.Sc., and five for M.Sc., (Rs.500/-) were given with effect from the academic year 1992-93.

CLINICAL SERVICES

Providing clinical services to individuals of all ages with speech and hearing problems is another major objective of the institute. Clinical services includes identification, diagnosis, counselling and therapeutic services to all kinds of speech and hearing problems. Specialists in the area of Neurology, Pediatrics, and Plastic surgery also visit our institute to complete multidisciplinary approach to the problem.

Table showing the total number of cases during the year 1993-94

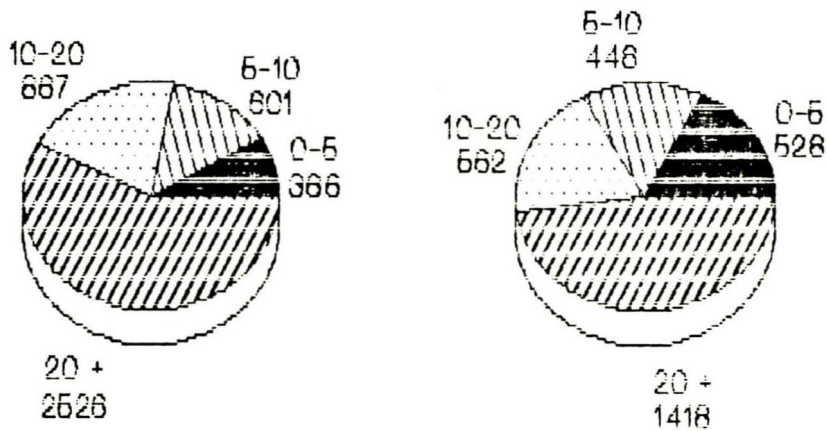
New cases	7,816
Repeat cases	12,094
Total	19,190

Table showing age-wise distribution of cases seen during the year

Age group	Male	Female	Total
0-5 years	866	528	1394
5-10 years	601	448	1049
10-20 years	867	562	1429
20 years & above	2526	1418	3944
Total	4860	2956	7816

MEDICAL RECORDS

AGEWISE - 1993-94



1993-94

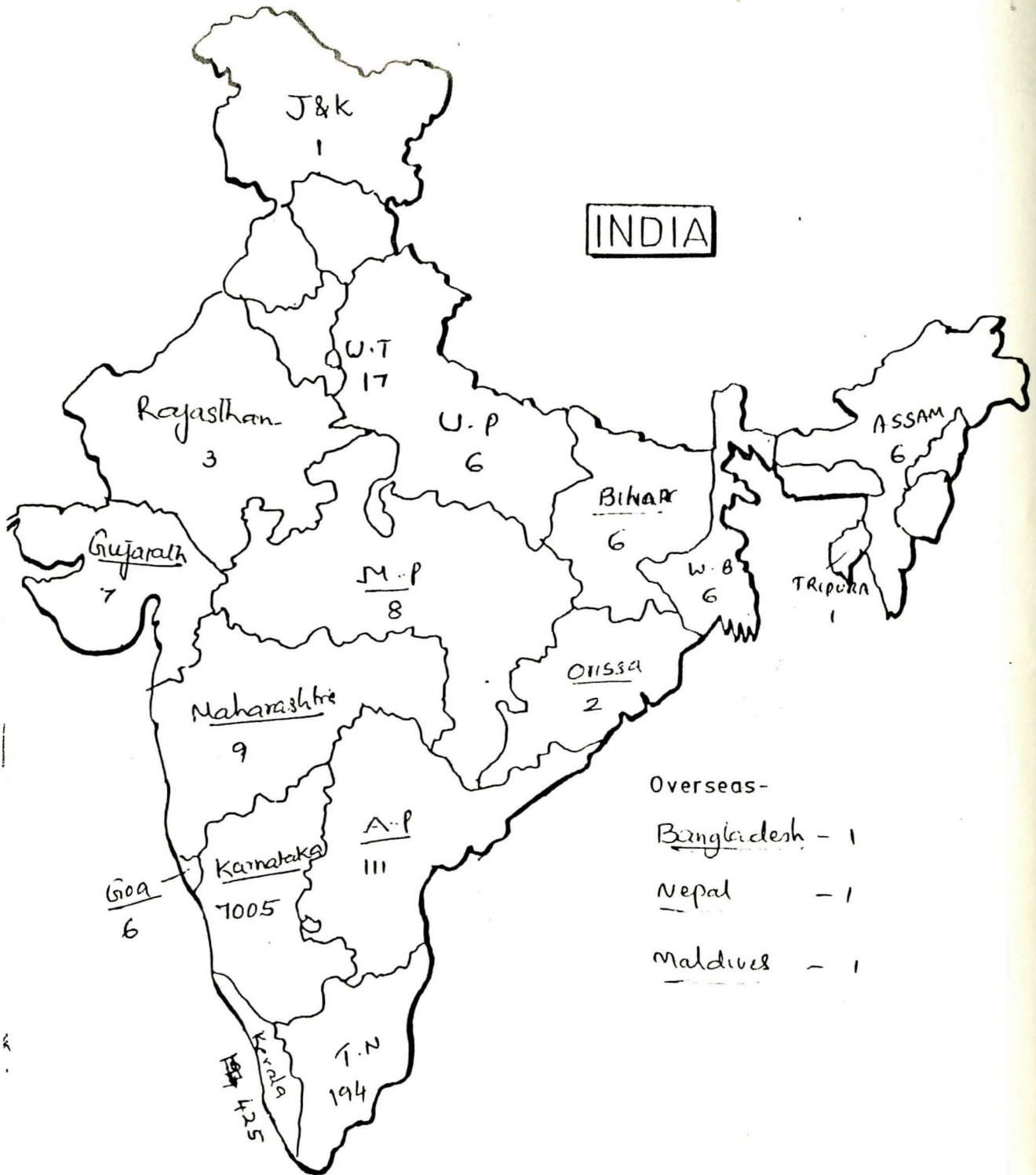
Table showing State-wise distribution of cases seen during the year

States of India	Number of Cases
Andhra Pradesh	111
Assam	6
Bihar	6
Goa	6
Gujarat	7
Karnataka	7005
Kashmir	1
Kerala	425
Madya Pradesh	8
Maharashtra	9
Orissa	2
Rajastan	3
Tamil Nadu	194
Tripura	1
Union Territory	17
Uttar Pradesh	6
West Bengal	6
Total	7813

OVERSEAS CASES

Country	Number of cases
Bangladesh	1
Maldives	1
Nepal	1
Total	3

STATEWISE DISTRIBUTION OF NEW CASES SEEN AT THE INSTITUTE - 1993-94



Department of Audiology

Hearing Evaluation

The main activity of this unit includes differential diagnosis of auditory disorders. Complete audiological evaluation includes puretone audiometry, speech audiometry and imittance audiometry. Special tests and brainstem evoked response audiometry were employed whenever required. Behavioral observation audiometry was carried out for young children who were not cooperative for conventional audiometry.

A total number of 6346 cases in different age groups were tested. The youngest child evaluated was a 45 days old baby. Appropriate referrals and counselling were made for all the cases.

Extension service of the section included infant screening at K.R.Hospital, Mysore. The mothers whose infants were at risk were advised to come for a detailed evaluation at the Institute. A high risk check-list developed for this purpose was put to use.

Industrial workers who had noise induced hearing loss were counselled to wear ear protective devices at the work places. Cases referred from professionals who work outside the Institute were given a report of the audiological evaluation. The number of cases who feign a hearing loss has increased. This could be due to the benefits provided by the Government for the physically handicapped. Appropriate special tests were carried out to identify such cases and also to estimate their correct threshold.

Issue of certificates

Certificates were issued to the eligible patients for various benefits such as financial assistance, language exemption in education, income tax exemption, housing scheme, employment, admission for school, under the quota for the physically handicapped.

A total number of 322 certificates were issued. The details are as follows -

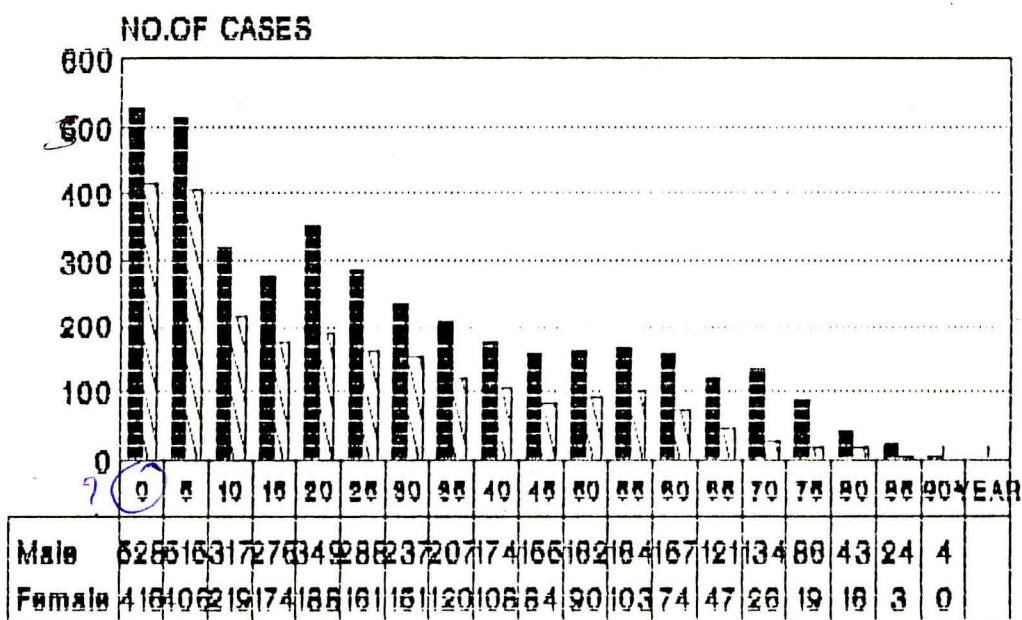
Financial assistance	269
Physically handicapped	8
Income tax exemption	18
Admission for normal school	24
Admission for deaf school	1
Educational scholarship	2
Total	322

Table showing age-wise distribution of male and female cases seen in the DEPARTMENT OF AUDIOLOGY.

Units	Hearing Evaluation		Hearing aid evaluation				Earmold lab	
			HAT		Counselling			
Age	M	F	M	F	M	F	M	F
0-5	528	416	460	330	55	32	137	128
5-10	515	406	364	296	26	21	98	63
10-15	317	219	235	156	13	6	70	22
15-20	276	174	180	123	6	5	23	10
20-25	349	188	211	107	3	4	15	11
25-30	288	161	156	92	0	1	20	7
30-35	237	151	140	83	5	2	13	8
35-40	207	120	133	64	2	2	18	3
40-45	174	108	113	72	4	1	11	3
45-50	155	84	113	63	5	6	9	7
50-55	162	90	127	64	8	3	24	12
55-60	164	103	99	59	9	7	12	13
60-65	157	74	110	47	13	3	18	12
65-70	121	47	92	54	8	2	20	3
70-75	134	26	80	26	12	6	20	7
75-80	86	19	57	15	9	0	18	6
80-85	43	16	33	10	7	0	21	8
85-90	24	3	14	7	0	0	0	0
90+	4	0	0	0			0	0
Total	3941	2405	2717	1668	185	101	547	323

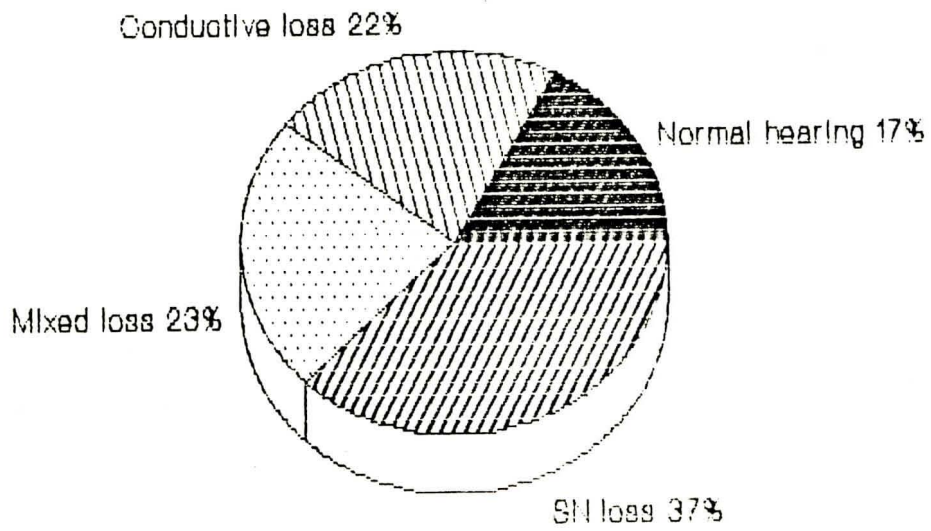
6346

HEARING EVALUATION DISTRIBUTION OF MALE & FEMALE CASES: AGE-WISE



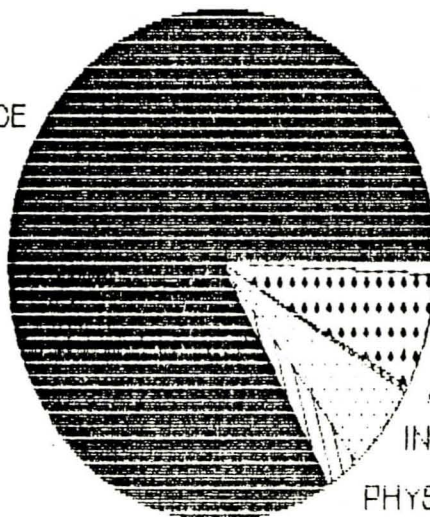
Male
 Female

HEARING EVALUATION DISTRIBUTION OF TYPE OF HEARING LOSS



HEARING EVALUATION BREAK-UP OF CERTIFICATES ISSUED

FINANCIAL ASSISTANCE
269



EDCUL. SCHOLARSHIP

2

ADM. TO NORMAL SCHOOL

24

ADM. TO DEAF SCHOOL

INCOME TAX EXEMPT.

18

PHYSICALLY HANDI.

8

Hearing Aid Evaluation

The clinical activities of this unit included evaluation and prescription of hearing aids, demonstration and counselling regarding the use of hearing aid and issuing of certificates.

The total number of cases seen to whom hearing aid trial done was 4385 and hearing aids were prescribed to 1463 individuals. These included body level, behind-the-ear and in-the-ear hearing aids. For every individual, functional gain measures ie. speech discrimination and/or awareness of verbal/non-verbal stimuli were used. In addition, the need for speechreading and limits of tolerance to amplification were also evaluated. For the difficult to fit patient such as those with poor speech discrimination, steeply sloping losses or those requiring earmold modifications, insertion gain measures proved invaluable.

Assistive listening devices such as steth amplifiers and tinnitus maskers were recommended when indicated. Ear protective devices were also recommended for those working in noisy environments.

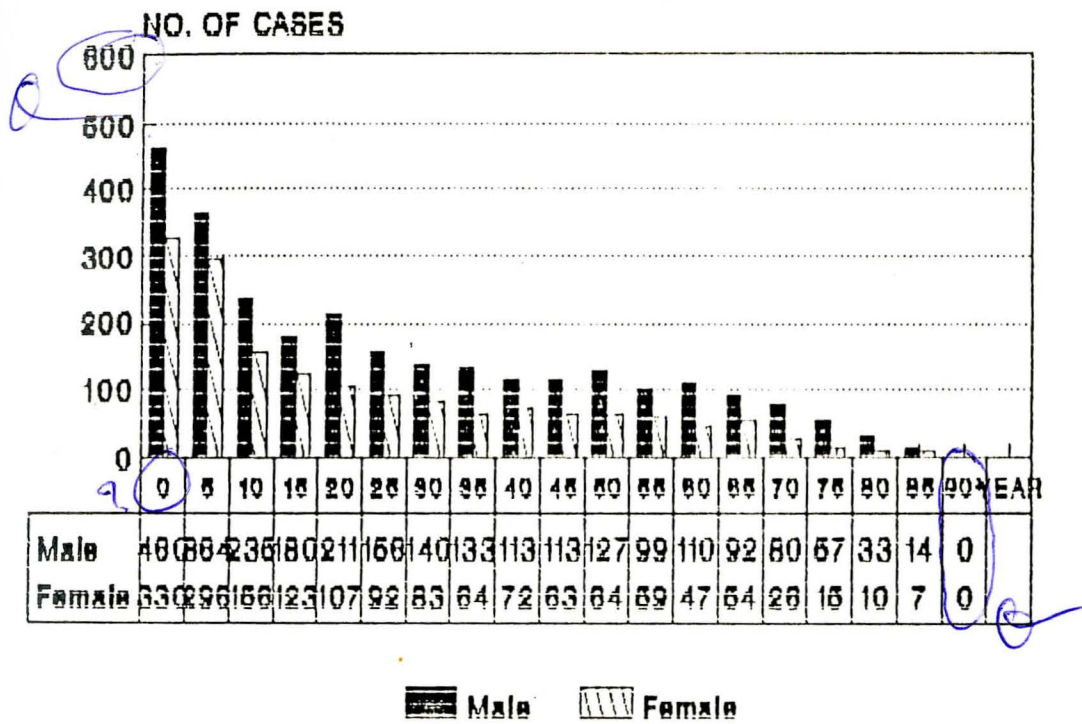
Patients were counselled regarding (1) the need and usefulness of amplification, (2) the care and maintenance of hearing aid, (3) speechreading, (4) auditory training. Public education pamphlets available in six languages were distributed.

Certificates were also issued to hearing aid users seeking employment, wanting drivers license and for getting admission to universities abroad.

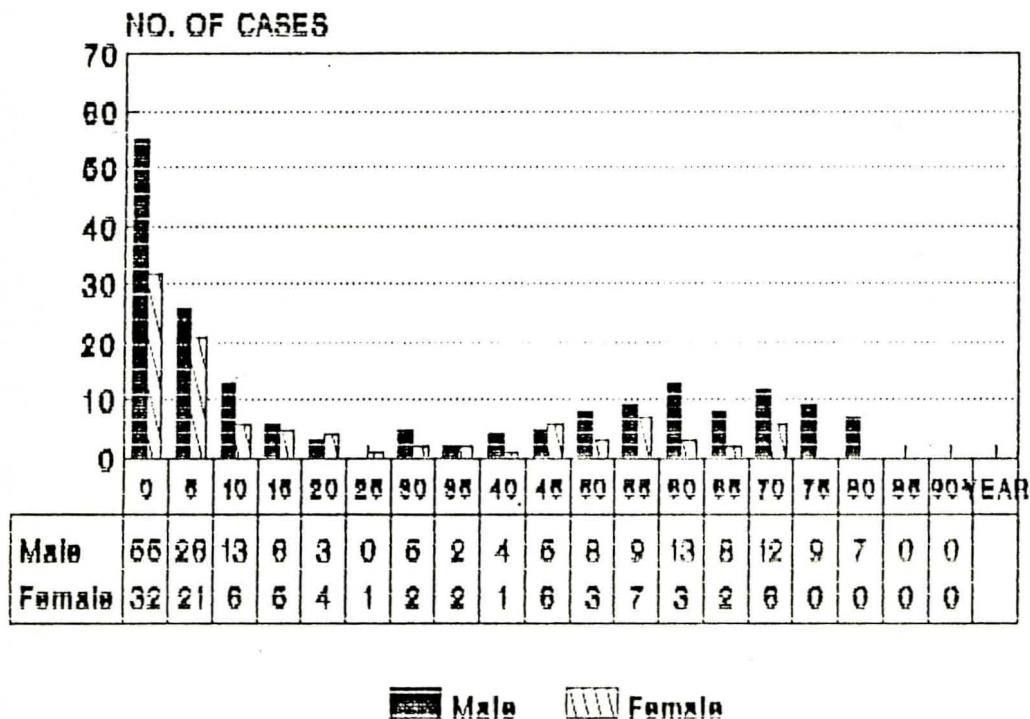
Earmold

The clinical work in the earmold lab included making custom earmold for the users of both the body level hearing aids and BTEs totaling 870. Cases were also fitted with earmolds incorporating acoustic modifications like vents,. Besides lab facilities were used to make ear plugs for swimmers and industrial workers.

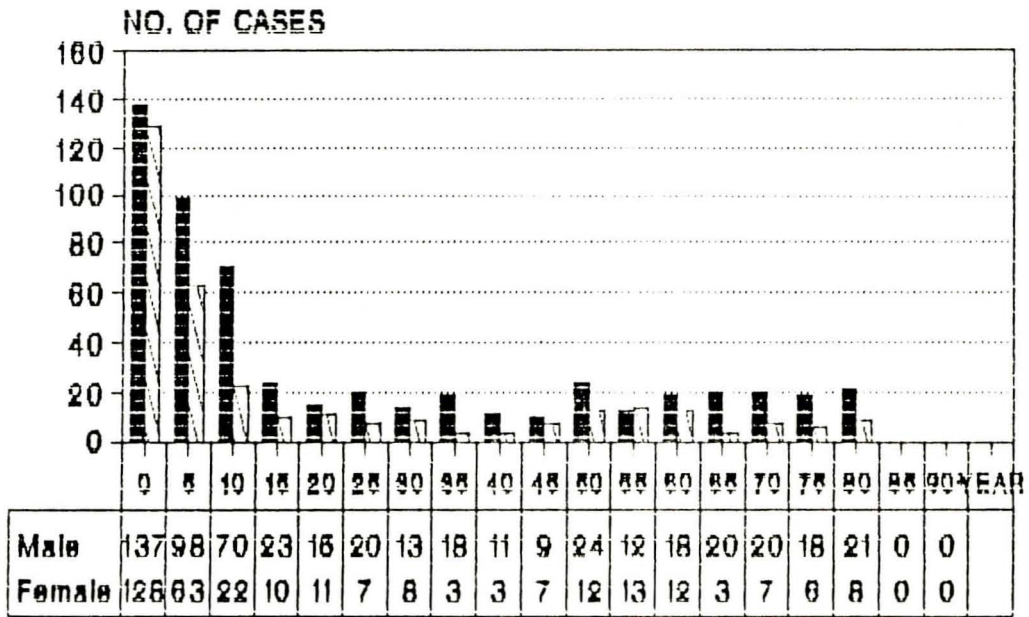
HEARING AID EVALUATION DISTRIBUTION OF MALE & FEMALE CASES: AGE-WISE



HEARING AID COUNSELLING DISTRIBUTION OF MALE & FEMALE CASES: AGE-WISE

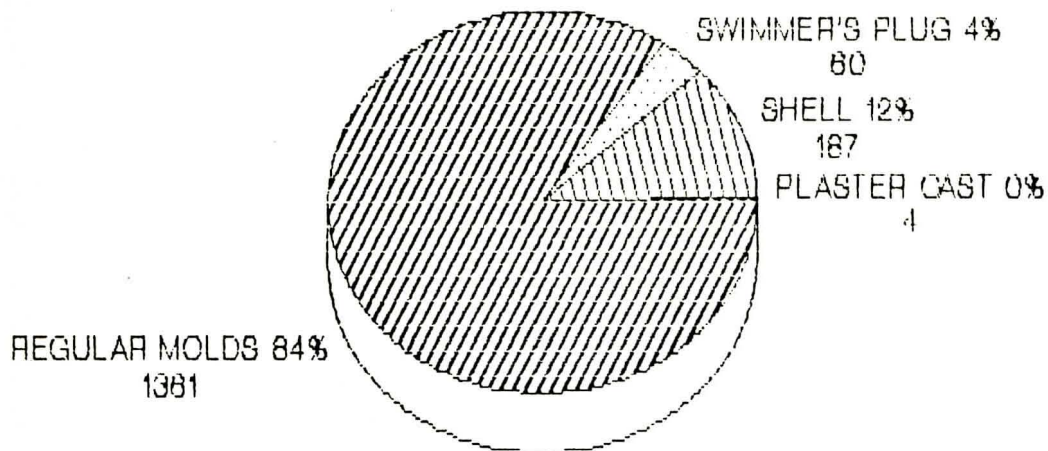


EARMOLDS DISTRIBUTION OF MALE & FEMALE CASES : AGE-WISE



Male
 Female

EARMOLDS
BREAK-UP OF TYPES OF EARMOLD



Department of Speech Pathology

include 1/2
 Department of speech Pathology is concerned with identification, diagnosis, counselling and treatment of various types of speech and language disorders. To achieve the task two diagnostic unit, a speech pathology lab, a prosthodontic lab and a full fledged speech therapy clinic have been established over the years. In addition to rendering these clinical services to the speech and language impaired cases, the department is also responsible for training undergraduate and postgraduate students in these clinical services.

Diagnostics and Counselling Unit

The undergraduate and the postgraduate students of the institute were trained in the assessment and diagnosis of a variety of speech-language disorders in children and adults in accordance with the curriculum. On an average 14 students are given training in diagnosis and counselling for 3 hours a day.

Prosthodontic Aids

The Prosthodontic Technician has prepared 20 cleft palate prostheses and speech bulbs for the cases referred by the Plastic Surgeon and by the Speech Pathologists. Both temporary and long-term prostheses are prepared with monthly follow-ups.

Steady models for teaching purposes have also been prepared. In the absence of a full fledged Prosthodontic Lab the work is currently being carried out in the Earmould Lab of the Institute.

Table showing number and tupes of prosthesis made in the prosthodontic lab during the year.

Type of Prosthesis	No. of Prosthesis	Sessions
Speech Bulb Prosthesis	13	135
Cleft Palate Prosthesis	7	61
Total:	20	196

Table showing number and types of cases seen in the department of speech pathology during the year.

Type of Speech and Language Problem	Case History	Speech Evaluation	Counselling
Language Disorders			
Delayed Speech and Language (DSL)	195	221	165
DSL with MR	391	478	213
DSL with CP	49	59	26
DSL with Autism	15	17	7
Aphasia	20	33	9
Speech Regression	24	31	8
Learning Disability	10	11	5
DSL with Hearing Loss	841	909	344
Rhythm Disorders			
Stuttering	242	294	133
Cluttering	00	1	1
Normal non-fluency	30	38	27
Articulatory Disorders			
Misarticulation	134	152	54
Cleft Palate	76	84	19
Dysarthria	32	34	5
Voice Disorders			
Dysphonias	236	246	32
Laryngectomee	4	4	3
Hearing loss without any Speech disorders	2864	---	26
Repeat cases	---	773	157
'N' Cases	660	---	---
Total	5823	3385	1234

Table showing age-wise distribution of cases seen in the department of speech pathology during the year

Age in yrs.	Male	Female	Total
0-1	26	19	45
1-5	644	392	1036
5-10	475	324	799
10-15	301	199	500
15-20	266	188	454
20-25	343	167	510
25-30	262	145	407
30-35	191	136	327
35-40	168	116	284
40-45	147	86	233
45-50	129	96	225
50-55	134	76	210
55-60	160	85	245
60-65	121	57	178
65-75	186	53	239
75-85	87	22	109
85-95	16	3	19

Plan activities

1. Establishment of an intensive speech-language therapy unit for the communication disorder at pre-school level.
2. An out-reach programme wherein implementation of home training programmes and supervision and monitoring of progress will be carried out.
 - Development of home training for different speech handicaps.
 - Training in students to carry out the out-reach programme in their own areas.
3. Establishment of prosthodontic laboratory to provide various types of prosthesis for cases with cleft lip and palate.

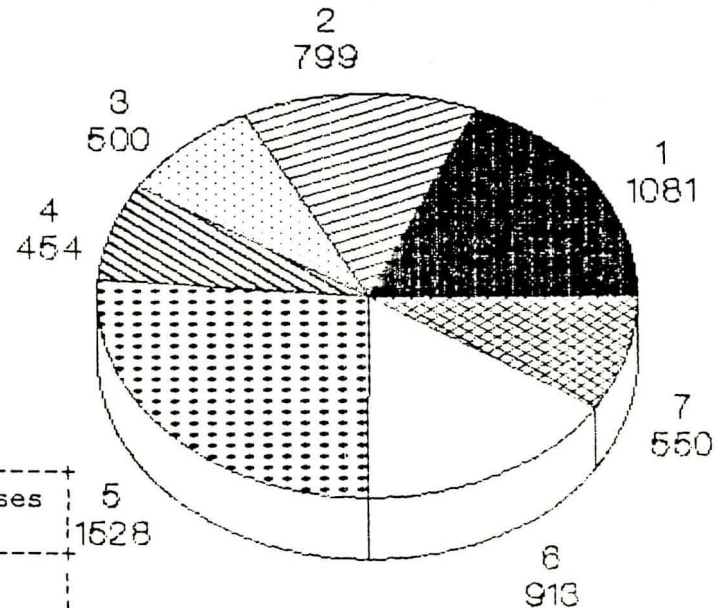
Therapy Clinic

A. Training

Regular clinical training is being provided to undergraduate and postgraduate students in Speech and Hearing in handling a variety of speech-language and hearing disordered individuals. This is done through observation, diary writing and practical clinical training in pre therapy assessment, planning and carrying out therapy, counselling

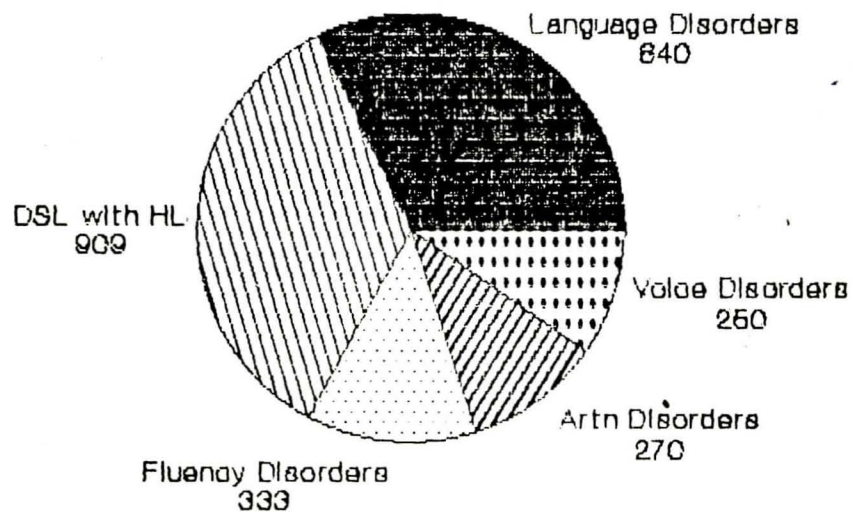
Department of Speech Pathology

Agewise distribution of cases(1993-94)



Sl.No.	Age in years	Total No. of cases
1.	0-5	1081
2.	5-10	799
3.	10-15	500
4.	15-20	454
5.	20-40	1528
6.	40-60	913
7.	60-95	550

Department of Speech Pathology Cases seen during 1993-94 (Apr - Mar)



Speech & Language Disorders - 2,602

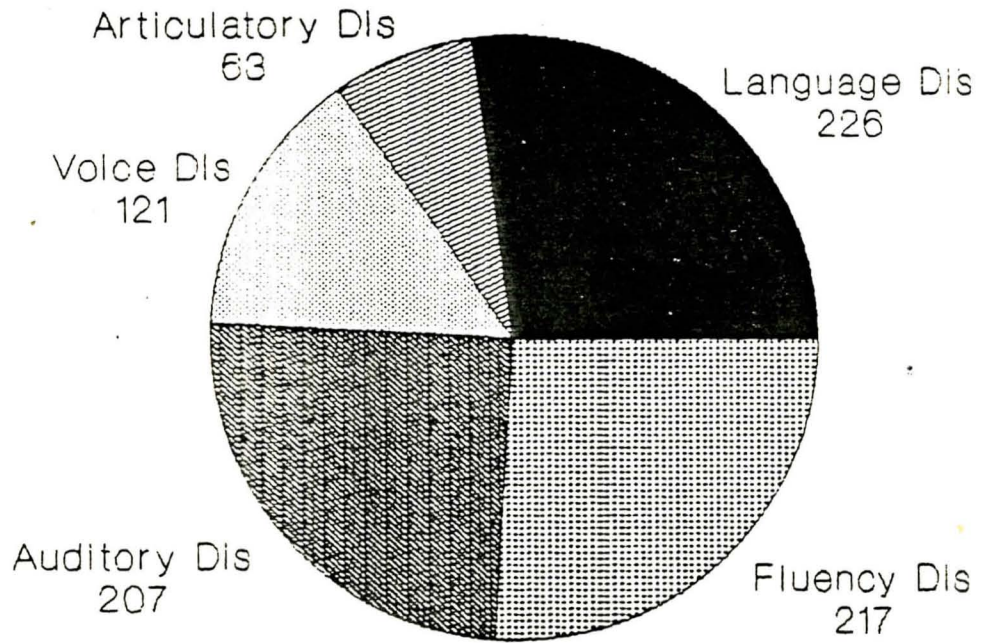
THERAPY CLINIC CASE STATISTICS 1993-94

Months	Auditory Dis.	Language Dis.	Artin. Dis.	Fluency Dis.	Voice Dis.	Total Cases	Total Sessions	Groups No.	Sessions
April, 93	21	46	7	36	14	124	745	-	-
May, 93	52	47	24	66	16	205	1604	3	60
June, 93	67	46	4	34	13	164	1711	3	63
July, 93	82	60	10	18	15	185	1742	3	63
Aug., 93	74	50	7	15	16	162	1721	4	52
Sept., 93	91	72	12	14	20	209	2063	4	52
Oct., 93	91	65	14	38	19	227	2037	5	56
Nov., 93	83	55	12	28	13	191	1734	6	64
Dec., 93	50	53	8	20	10	141	1993	6	123
Jan., 94	102	62	8	24	11	207	1789	6	68
Feb., 94	92	58	1	15	22	188	1633	6	60
Mar., 94	98	67	9	19	14	207	2059	5	60

①

Therapy Clinic

Cases seen during 93-94 (Apr-Mar)



and guidance for home training and report writing. Half of the students of each class are posted in the clinic for 3 hours/day on rotation basis.

B. Therapeutic Services

Clients of all age groups with a variety of speech-language and hearing disorders were provided with speech-language therapy throughout the year.

Articulatory disorder	--	63
Voice disorder	--	121
Auditory disorder	--	207
Language disorders	--	226
Fluency disorders	--	217

On an average, 163 cases with various speech disorders were seen every month and an average of 15 to 16 individual therapy sessions of 45-60 minutes duration were provided to these cases. A group of 8-10 hard-of-hearing children were provided intensive group therapy for one and a half hours per day to improve their auditory and communicative skills.

Apart from routine guidance and parent counselling, group parent counselling meetings were held for the parents of the cerebral palsied, hard-of-hearing, autistic and mentally retarded children. They were educated regarding the handicap, etiology, prevention and its management.

On an average, 26-28 out-station cases were seen every month for demonstration speech therapy. They were provided intensive guidance/demonstration sessions and handouts for home training on auditory training, articulation correction and speech and language training.

C. Itinerant Speech Therapist Activities

a) Follow-up cases

Follow-up letters have been sent regularly to the therapy cases who are irregular and have discontinued therapy without prior intimation. In response to the letters, maximum cases have reported for therapy.

b) School visits

Therapy cases with various speech and hearing problems, who are studying in normal schools and special schools are being followed up. Information on academic and social performances of these children are recorded and suitable guidance is provided to concerned teachers. Besides teachers are also provided with information on early identification, classroom management and referrals.

Two special schools, one for hearing-impaired and one for mentally retarded and CP were visited. Teachers were given guidance on curricular adaptations and management.

c) Parent guidance programme

Parents of hearing-impaired preschool children are being given guidance and counselling, on the importance of amplification, care and use of hearing aids, auditory, speech language training, educational placement and follow-up of therapy. Demonstration sessions and screening of video films are also held as part of the guidance programme.

d) Clinical activities

Supervision of cases allotted, guidance to student clinicians and supervision of two pre-school groups of hearing-impaired children with Malayalam as medium of instruction.

Department of Speech Sciences

Diagnostics

Sixhundred and eightyfive patients were evaluated and details of types of cases are given below.

Table showing the number of cases evaluated in the department of Speech Sciences

Types of Cases	Male	Female	Total
Voice Disorders	191	100	291
Mis-articulation	34	19	53
Nasality + misarticulation	41	35	76
Stuttering	188	19	207
Dysarthria	14	4	18
Normal non-fluency	4	0	4
Normal	23	6	29
Delayed speech & Language	3	4	7
Total	498	187	685

Therapeutic Services

Two hundred and fiftythree patients with voice, articulation and fluency disorders were given therapy under the supervision of the departmental staff.

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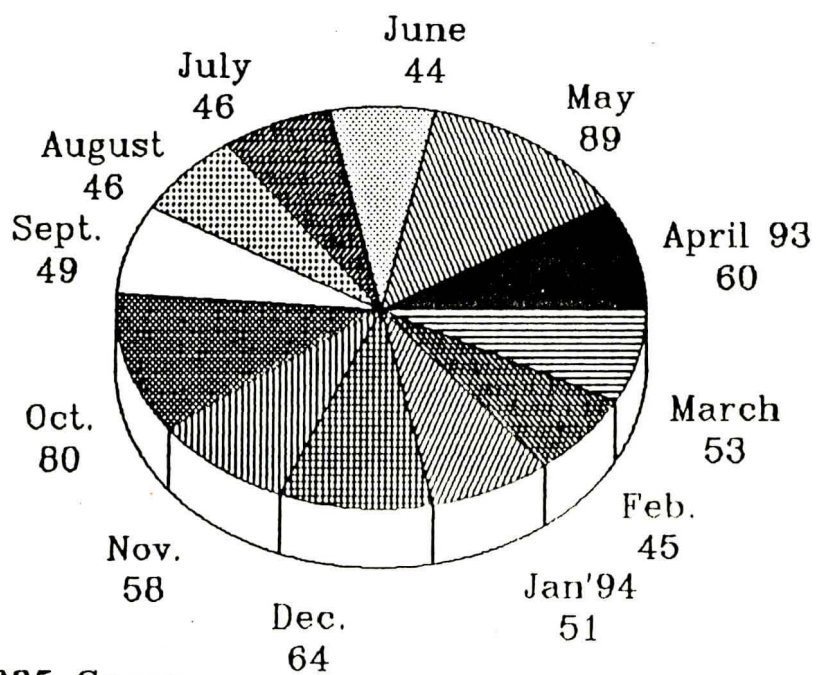
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Total	498	187	685

Therapeutic Services

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ANNUAL STATISTICS FOR THE YEAR APRIL 1993 TO MARCH 94



Total = 685 Cases

Speech & Voice Extension Services

Counselling and guidance is being provided to cases with voice disorders and to the professional users of voice and speech regarding effective and efficient use of voice and care of voice.

Department of Clinical Psychology

Diagnostics

A total number of 2700 new and 431 old cases were tested and evaluated by the departmental staff for routine and special diagnostics which including neuro-psychological assessment and assessments of aptitudes and skills. A total of 409 certificates for the financial assistance from the Government of Karnataka have been issued to the mentally handicapped.

Table showing number of cases evaluated in the department of Clinical Psychology.

New cases	2700
Repeat cases	431
Total	3131

Therapeutics

Individual and group therapy were given by the departmental staff to a variety of cases such as stuttering, mental retardation, behavioral problems, functional voice disorders and autism, etc. The following table shows the total number of 151 cases received therapy over a total number of 1344 sessions during the year.

Cases received therapy	151
No. of sessions spent for therapy	1344

Issue of certificates

Certificates were issued to the eligible patients for benefits such as financial assistance, housing scheme, employment, admission for school, under the quota for the physically handicapped. A total number of 409 certificates were issued. The details is as follows -

No. of mentally retarded cases	1130
No. of certificates issued for the mentally handicapped	409

Department of Otorhinolaryngology

Diagnostic Unit

The main activity of this unit includes diagnosis of diseases of ear, nose and throat related to speech and hearing problems. The evaluation unit consists of OPD on all days at the Institute and on all Wednesdays at K R Hospital, Mysore. A total number of 24106 cases in different age groups were evaluated both at AIISH and K R Hospital. A total number of 5881 patients underwent microscopic procedures like, suction clearance of discharging ears and etc. Appropriate referrals and counselling were made for all the cases.

Table showing number of cases seen in the department of Otorhinilaryngology dcuring the year

Place of OPD	Old	New	Total
AIISH	7560	6336	13896
K R Hospital	5091	5119	10210
Total	12651	11455	24106

Therapeutic procedures

Both medical and surgical are being done at KR Hospital and only medical treatment at AIISH as there is no inpatient facility at the Institute. Twenty in-patient beds have been allotted exclusively for AIISH Unit at K.R. Hospital. This is in collaboration with the State Government through the Central Government. Surgery is being conducted on all Mondays and Thursdays at K.R. Hospital for the Organic Lesions of the Speech and Hearing problems and emergency cases are being admitted in the K.R. Hospital for further investigations and treatment.

SURGERY

	Major	Minor	Total
Surgery performed at K R Hospital	89	110	209

Planned Clinical activities

1. Cryo Surgery Unit
2. Rhinology & Cleft Palate Unit
3. Laser Unit
4. Vertigo Unit
5. Electro Cochlear Unit

Department of Electronics

1. The regular free servicing of hearing aids for the cases was carried out for the entire period.
2. The regular servicing, maintenance and calibration of equipments of different departments was carried out.
3. Technical advice was provided for the purchase of new equipments.
4. The hearing aids received under Social Welfare Department for free distribution were tested and certified.
5. The required spares for servicing of equipments and hearing aids were procured.
6. The central air-conditioning, the two generators and pump houses are maintained along with other electrical installations of the institute.
7. The HT installation work was taken up during 92-93, but could not be completed due to delay in getting the necessary approval. Now the necessary approval has been received from Electricity Board and the work is now in progress.
8. The students of II M.Sc., and I B.Sc., were trained in basic repairs, calibration of equipment and service of hearing aids during their clinical postings.
9. The audio visual equipments of the department were provided for all the teaching activities including guest lectures, clinical meetings and journal club.

10. Technical services other than regular activities are extended to Institute activities (Students Association, NSS, Staff Club, etc.).
11. Servicing facility was extended to other sister organisations.

Annual Statistics

1. No. of hearing aids repaired	..	873
2. No. of hearing aids certified	..	440
3. No. of hearing aid spares certified	..	405
4. Equipments repaired	..	137
Major - 90		
Minor - 47		
5. Equipments certified	..	73
6. Equipment spares certified	..	130
7. Audio cassettes certified	..	350
8. Floppy diskettes certified	..	390
9. Tape drive cartridge certified	..	5
10. Electrical repairs	..	258
Major - 164		
Minor - 92		
11. Electrical spares certified	..	72
12. External Consultancy	..	7

Plan activities

- 1) Voice light with phonation duration - fabrication of circuit is completed. Final testing is in progress.
- 2) Design, estimation and supervision of Neuro-psychology unit for the Department of Clinical Psychology (AIISH).

RESEARCH ACTIVITIES

Projects completed and the projects under progress

Department of Audiology

F M AUDITORY SYSTEM: A pilot study was undertaken in order to develop and fabricate the system. The work is under the progress.

A Project was under taken in collaboration with CIPET, Mysore., to investigate the availability of soft material for making ear molds. Several materials were tried and one material, indigenously available was found suitable for the purpose of making soft ear plugs.

Department of Speech Pathology:

have The project on A DEVELOPMENTAL INVESTIGATION OF ONSET PROGRESS AND STAGES OF LITERACY ACQUISITION - ITS IMPLICATIONS FOR INSTRUCTIONAL PROCESS submitted to the NCERT. Data collection and analysis has been completed.

Project on PRODUCTION OF LANGUAGE TRAINING MATERIALS IN MAJOR INDIAN LANGUAGES sanctioned by UNICEF. The materials have been prepared and field testing is completed in 9 of the ten languages taken up.

A project on DEVELOPMENTAL MILESTONES IN LANGUAGE ACQUISITION IN INDIAN LANGUAGES : KANNADA AND HINDI has been sanctioned by the ICSSR, New Delhi. Two Junior Research Investigators have been appointed. The data collection on Kannada speaking children is almost over and the same in Hindi has just begun.

A project on UPGRADATION OF CLINICAL TRAINING SERVICES AND DOCUMENTATION OF SPEECH-LANGUAGE AND HEARING DISORDERS AT AIISH was submitted to WHO.

Department of Speech Science

"SPEECH ORIENTED LEARNING SYSTEMS FOR THE HANDICAPPED" (SOLSH)" funded by the Department of Electronics : The Project was extended for one more year. The status report was sent to the Department of Electronics. 95 sessions of therapy was provided for six hard of hearing children using the software AID developed in collaboration with IIT, Madras. 220 Hindi words as spoken by normal speakers were subjected to spectral and temporal analysis and 28 parameters were extracted. Two articles - 1) Distinctive Feature analysis of Hindi consonants and 2) Formant

frequencies and duration of vowels in the Speech of the hearing impaired - were prepared to be sent to the National Symposium of Acoustics.

"SPEECH PERCEPTION IN CHILDREN: TEMPORAL ASPECTS" Funded by the Department of Science and Technology : Ms. K.S. Rohini and Mr.T.Suresh joined the project as Research Assistants on 01.2.94. 62 token words were synthesized for the first experiment on closure duration and 620 synthetic stimuli were audio-recorded for perceptual evaluation. The material for speech production test were prepared and the response and analysis sheets were made. An "alternate forced choice Response Key Board" (ARB) is being indigenously developed to elicit perceptual response from children. Software on Klatt synthesis prototyped to child's vocal tract has been procured. Tape recorders and Microphone has also been procured under the project.

"ACOUSTIC ANALYSIS OF SPEECH SOUNDS" : Acoustic analysis of Kannada, English and Hindi were performed. Six speakers (3 females and 3 male) in each language were instructed to utter 40 sentences five times into a microphone and all these were audio-recorded. These sentences were digitized and acoustically analyzed to extract four temporal and 36 spectral parameters of plosives/vowels using the programs DWSSDSP, ANALYSIS and PATPLAY. A total of 5000 sentences were audio-recorded and 2360 sentences were analyzed so far. F0 was extracted using the program INTON for 3 Hindi males and 3 Hindi females for 40 Hindi sentences each.

"ACOUSTIC ANALYSIS OF VOICE" : Various measurements of 96 dysphonics were computerized. Eight dissertations on various aspects of voice are in progress.

"DEVELOPMENT SOFTWARE FOR DIAGNOSIS & ANALYSIS OF SPEECH": Programs are being developed to identify different types of EGG patterns based on neural network & pattern recognition.

"DATABASE FOR PLOSIVES IN KANNADA": Twentynine meaningful Kannada words with all the eight plosives :-/k/, /kh/, /g/, /gh/, /t/, /th, /d/, /dh/, /t/, /th, /d/, /dh/, /p/, /ph/ /b/, & /bh :- were selected for the study. Three adult males, one adult female & one child uttered these words four times in to a microphone kept at a distance of 10 cms from the mouth in a natural manner. All these were audio-recorded and seven Temporal parameters and six spectral parameters were measured using spectrography and waveforms. Totally 1508 tokens were measured for each subject. The data was tabulated and the mean, and significant differences between males, Females and children were extracted using the T-Test. The results indicated that there were significant differences between the

temporal parameters of male, female and child for some temporal measures. In essential the measures of children followed the same trend of adults, however, with a low category separation score. A database is developed with instructions to use (it) "GLOTTAL BEHAVIOUR IN NORMALS AND SPEECH HANDICAPPED". Glottal output of 291 voice patients and 209 stuttering patients were recorded and analyzed for the diagnosis of laryngeal pathology.

"INFANT CRY ANALYSIS" 89 cry samples have been collected and analysis is under progress. The cry analysis of 20 infant with different pathological conditions has been completed. The cry has been analyzed to obtain information regarding total duration of cry and the duration of pauses within the cries. The work is under progress.

Department of Electronics

The project on Frequency Modulated (FM) hearing aid has been submitted by Department of Audiology and Indian Telephone Industries, Bangalore. The Department of Electronics is collaborating with Department of Audiology in testing and evaluating FM Hearing Aids, developed by Indian Telephone Industries, Bangalore.

Voice light with Phonation Duration Project is in progress. Fabrication of circuit is completed. Final assembly is in progress.

Computerising the procedure for calibration of audiometer in the Institute is in progress.

Computerising the bibliography of different instruments, suppliers, addresses, and technical details is in progress.

Doctoral Research Work

Ph.D. AWARDED

1. Dr P Kalaiah: "An investigation into the personality correlates of stuttering and to derive an effective package program to suit a majority of stutters";
2. Dr. Y T Balakrishnaacharya: "An investigation in to the personality concomitants of essential hypertension".
3. Dr. Umasubramanian: "Acquisition of syntax in hard of hearing children".
4. Dr. Rajshekhar. "Acoustical analysis of a laryngeal and TEP speech".

In progress:

1. Mrs. Asha Yathiraj - Contributory factors in the Integration of the hearing-impaired in schools".
2. Mrs. K. Rajalakshmi - A descriptive study of the sign language of the deaf (submitted).
3. Ms. R. Manjula - Aspects of intonation in Kannada.
4. Ms. Y.V. Geetha - A comparative study of stuttering behaviour.
5. Mr. K.S. Prema - Reading acquisition profile in Kannada.
6. Mr. C.S. Venkatesh - Acoustic analysis of Kannada Speech sounds.
7. Mr. Antony Thomas - An attributional approach to the expectancies of control, self-esteem, purpose in life, alienation in stutterers, non-stutterers and neurotics.
8. Mr. G. Jayaram - Identification and assessment of reading disability among children - an information processing approach.
9. Mr. Kalyan Kumar - Effects of preparatory stages of Astanga Yoga in the personality characteristics of the practitioners.
10. Mr. T A Subba Rao. "A comparative analysis of language in mentally retarded children".

Dissertations

Twenty four dissertations were completed the titles of which are as follows:

Reg No	Title of the dissertation
M.9101	Closed Quotient as a Glottal efficiency Indicator.
M.9102	TPVT - A Screening Picture vocabulary test in Tamil.
M.9103	Development of Perception of Co-Articulation.
M.9105	AAC in India the Current Status of Art.

- Celestial*
- M.9106 Perceptual Judgement of Speech Intelligibility in General Palsied.
- M.9107 Development of Production of Co-articulation in Children.
- M.9108 Cochlear conduction in individual with conductivity pathology. A study using the principle of remote making.
- M.9109 The test of word - finding abilities in children [Gujarati] TWAC-G
- M.9110 A synthetic Test of Rhytham.
- M.9111 The time factor in Aphasic Evaluation - A pilot study on the W.A.B.
- gain* M.9112 Comparison of insertion and functional given hearing aid users.
- M.9113 Trading relation between spectral and temporal cues for the perception of stop consonant in kannada
- M.9114 Mean length of utterance in Mentally Retarded Children [Bengali]
- M.9115 Trading relationship between burst and transition in Kannada stop consonants.
- M.9116 Cross linguistics study of some Temporal Parameters.
- M.9117 Structural variation and diadochokinetic sequencing in the cerebral palsied and normals.
- M.9119 Acoustic and perceptual Analysis of the T.E.P. Speech with Different Types of prosthesis
- M.9120 Acoustic and Temporal aspects of oesophagial speech
- M.9121 Production of stress in hearing impaired.
- M.9122 Linguistic profiles of Aphasia sub types.
- M.9123 Normatization of Scale of Early Communication skills for the Hearing impaired on Indian population.
- M.9010 The developmental Nature of whisper in children.

Independent Project

Twenty Three independent projects were completed the titles of which are as follows:

Reg.No.	Title of the independent project
M.9201	Insertion gain measurement for Hearing aid selection-an audiovisual script.
M.9202	Cochlear implants for the uninitiated
M.9203	Audio-cassette on hearing conservation programme
M.9204	Impedance Audiometry-Audiovisual script.
M.9205	Use of extended high frequency for early Identification of Hearing Loss.
M.9206	Comparison of shell and skeleton earmoulds of Behind the ear hearing aid users by insertions gain and coupler Measurements.
M.9207	An Audio Visual on Audiological Evaluation for the young initiated.
M.9209	Audiovisual Script on calibration of an Audiometer
M.9210	Manpower Resources in Speech and Hearing Earmould
M.9211	Survey on awareness of hearing impairment 'A pilot study
M.9212	Comparison of Transmission loss with earplugs made using different methods.
M.9213	Script for Video Cassette on Auditory Brainstem response.
M.9214	Audiovisual presentation on Speech reading :A script
M.9215	A Comparative Study of the subjects performance with FM system and their personal body level Hearing aids.
M.9216	Video Script for Hearing conservation programme.
M.9217	Community Noise Survey - A report.
M.9218	Infant Screening with the High risk checklist.

- M.9219 Evaluation of contagious flow Adaptor in behind the ear hearing aid users.
- M.9220 Audio Cassette and Public Education programme in Urdu on.
- M.9221 Guidelines to set-up an earmould laboratory
- M.9222 Factors affecting cause of Hearing loss and follow-up in females.
- M.9223 Uses of Assistive listening devices an Audio cassette.
- M.9118 Portable mini loop system.

Scientific Papers Published/Sent for Publication

- Karanth, P. "Brain and Language" in Kannada sent for publication to Kannada University, Hampi.
- Shukla, R.S. "Speech characteristics of the hearing-impaired - A tutorial review". JAIISH, Vol.IXX, 1993.
- Shyamala K.C. "Speech problems" in Dealing with special problems by IGNOU-NCERT (as a course syllabus work ES-104 -Child guidance).
- Nataraja, N.P. "Some temporal aspects of Alaryngeal Spech" JISHA IX, 1992, 51-54 (Co-authored).
- Nataraja, N.P. "Electroglottography - A clinical study" submitted to JISHA X, 1993 (Co-authored).
- Savithri, S.R. "Closure duration as a cue to the perception of place and manner of articulation of plosives in Kannada", JISHA IX, 1992, 26-33 (Co-authored).
- Savithri, S.R. "Speech rhythm in Kannada", JISHA IX, 1992, 43-46 (co-authored).
- Venkatesh, C.S. "Some temporal aspects of Alaryngeal speech" JISHA IX, 1992, 51-54 (co-authored).
- Venkatesh C.S. "Electgroglottography - A clinical study" submitted to JISHA X, 1993 (co-authored).
- Y T Balakrishnacharya: "An investigation in to the levels intelectual functioning among the hearing handicapped". IPR Vol 40 1993

Shyamala K.C. "A tachistoscopic study of bilingual children" submitted to JISHA (Co-authored).

Shyamala K.C. "Speech and Language behaviour of cerebral palsied: A tutorial paper" submitted to JAIISH.

Shyamala, K.C. "Syntactic profiles in Kannada speaking cerebral palsied" submitted to Department of Linguistics, Osmania University, Hyderabad.

Savithri, S.R. "Co-articulatory perception" Special Issue of the National Symposium of Acoustics - In Press.

Savithri, S.R. "Temporal acoustic cues in Kannada" submitted to Folia Phoniatrics.

Papers presented at Seminars/Workshops/Conferences

Mrs. Asha Yathiraj:n "Audiologist and the pediatric population -A birds eye view" at XII State conference on Indian Academy of Pediatricians.

Dr. Prathibha Karanth. "Diagnosis and intervention of communication disorders among children" at Regional College of Education, Mysore

Dr. Prathibha Karanth. "Brain and Language" at the Seminar held at National School of Dravidian Linguistics, Tiruvanantapuram

Dr. Prathibha Karanth. "Clinical Linguistics" at the Seminar on the Future of Linguistics in India at CIIL

Dr. Shyamala K C. "Lexical meanings of visual terms in the blind: A pilot study in Bengali" (Co-authored) in the 26th Conference of ISHA held at Patna.

Dr. Shyamala K C "Learning disability and some concurrent factors: An exploratory study" (Co-authored) in the 26th Conference of ISHA held at Patna.

Mrs. Indira Kumari "Role of IST and Home-Bound management programme for the Speech and Hearing Impaired" in the 26th Conference of ISHA held at Patna.

Mrs. K S Prema. "LDP for the hearing-impaired - the role of Grammar: at the workshop on "The role of Grammar in CLT" held at SRLC, Mysore in November, 1993

Dr. P Vidyasagar. "Psychological aspects of hearing impaired children" at ISCP conference held at Madras

Dr. Susheela M V. "Monitoring of Vocal cord lesions - A new concept", South Zone Conference of AOI held at Hotel Southern Star, Mysore

Mr. H.S. Sathish " Presented a paper on "Utilisation of solar energy at AIISH" in the workshop on "Developing Strategies for harnessing of solar energy and designing energy efficient buildings in the health sector" held at New Delhi.

SHORT TERM TRAINING AND ORIENTATION PROGRAMME

The institute started several short term training and orientation programme during the year 1993-94 and these are proving to be very popular. Initiation of these programs has received a good response from those who are interested in acquiring knowledge in this field, for a small fee of Rs 50/= per person per course. This has also resulted in increasing the internal revenue of the institute. After conducting the programmes, the evaluation of these programs were done by the person taking the training. On the basis of these evaluations it is intended to modify the programs to suit the professional seeking the programmes. The following table shows the courses conducted in the year 1993-94 by the faculty of the institute.

SL.No.	NAME OF THE TRAINING
1.	Making of Custom earmoulds
2.	Hearing aid care and trouble shooting
3.	Audiometer
4.	Audiological tests
5.	Calibration of audiometers
6.	Immittance evaluation
7.	Evoked response audiometry
8.	Auditory training
9.	Insertion gain measurements
10.	Electroacoustic measurements of hearing aids
11.	Early identification of speech and hearing disorders.
12.	Misarticulation
13.	Is my child stuttering? What to do?
14.	Child with cleft palate
15.	Speech and language development of the hearing impaired child.
16.	Dyslexia
17.	Dysgraaphia
18.	Learning disability
19.	Speech and language development in the mentally retarded child.
20.	Aspects of voice
21.	Language assessment in children and adults
22.	Voice and fluency disorders
23.	Measurement procedure in voice
24.	Acoustic phonetics and spectrography
25.	Computer aided therapy techniques.
26.	Noise pollution

1993-94.

The professionals who underwent the above courses were

- 1) ENT surgeons from Calicut Medical College
- 2) ENT Surgeons from AFMC, Poona
- 3) ENT Surgeon from Madras Medical College
- 4) Undergraduate students of special education.
Padmavathi University, Tirupathi
- 5) Undergraduate students of Speech & Hearing, Mangalore
University
- 6) All India Radio Staff
- 7) A speech Pathologist from Gujarat.

GUEST LECTURES

Guest Lectures by the Visitors to the staff and the students of the institute.

Prof. D. Henderson, Professor, Hearing Research Laboratories, Department of Communication and Disorders and Science, State University of New York, Buffalo, delivered lectures on the following topics:

- Cochlear pathology & prospects of haircell regeneration.
- Cochlear emission.
- Susceptibility to noise induced hearing loss.
- Plasticity of the auditory system

Dr. Garry M Neddan - Clinical Psychologist Department of Speech Pathology, Tubingen, Germany, delivered a lecture on "Speech Rehabilitation in Laryngectomy".

Dr. T.V. Ananthapadmanabha, Executive, Voice and Speech System, Bangalore, delivered eight lectures on "Speech signal-processing".

Dr. N. Chandrashekarn, Asst. Professor, Institute of Speech and Hearing, GH, Madras, delivered a lecture on "Audiologist and ENT".

Guest lectures delivered by the staff of the institute

Dr. Prathibha Karanth

Gave talk on Brain and Language in the Science Form at Mahajana's Education Society, Mysore.

Delivered a forum lecture at Kannada University, Hampi on "Kannada - it's contribution to the study of language pathology" on November 22-23 1993.

Dr R S Shukla,

Delivered a lecture on cleft palate speech: Diagnosis and Management in 27th Annual Conference of National Association of Plastic Surgeons, Bangalore, September 1993.

Ms. Indira Kumari

Lectures were given to Teacher Trainees for 3 days, on Management of hearing-impaired in IED, Resource room and role of resource teachers at Regional College of Education, Mysore.

Gave a lecture on "Educational (Provisions for the hearing impaired" to Teacher Trainees at Institute of Speech and Hearing, Bangalore.

Orientation activities were given on "Speech, Language and Hearing Disorders and Role of Teachers" to TCH trainees, at Maharani's teacher training college, Mysore.

EQUIPMENT PROCURED DURING THE YEAR

1. from Grants Received to the Institute

1. Vibro tactile aid (Tactaid II+)
2. Steth amplifier
3. Celesta 503
4. Air conditioners (Two)
5. K9-installation
6. Flask press
7. Soft mould material
8. therapy materials such as Relaxometer, voice lite, alpha sensor etc.
9. NCSS Statistical Soft Ware
10. Accounts, Pay bill, and stores inventory Sof Ware
11. hindi Word Processing Soft Ware (Two)
12. Dual Channel Oscilloscope
13. Electronic and Acoustic Kits for students
14. Aurometer
15. Oto Acoustic
16. Nicolet
17. Storz
18. Downs
19. LCR
20. Hanging Motor
21. Dental Lathe
22. VGA Monitor.
23. trial hearing aid Aparna 205 UT (BTE)

11. Through WHO Assistance

1. Software for IGO HAT
2. GSI-33 middle ear analyzer
3. UB-822 audiometer
4. Nicolet EP System Model Spirit with Phonic and sonic stimulator (TWO)
5. IBM Personal Computer for Speech Viewer
6. Laser Printer HP Laser Jet
7. DSP Sonograph (5500)
8. Digital tape recorder
9. Aerophone
10. CSL Software
11. UNIX 6500C
12. Calibration equipment
13. model trimmer
14. Surgical Microscope
15. SOIT ware for Therapy

MATERIAL DEVELOPMENT

- 1) Correspondence therapy lessons for misarticulation cases in Kannada and English were prepared and are being used regularly with demonstration therapy cases.
- 2) Self therapy for stutters by Malcom Fraser in English and it's Kannada translation are being used with adult stutters.
- 3) Audio Cassettes for auditory training were developed and are being used.
- 4) Video Sample of "Moebius Syndrome" was made.
- 5) Kannada translation of speech stimulation techniques with illustration was done. Audio recording is under progress.
- 6) Audio recording of Hindi nursery rhymes for therapeutic use is under progress.
- 7) Audio cassette on prosody has been prepared
- 8) Compilation of normal developmental schedules on various speech, language, behavior and auditory skills is under progress.
- 9) A chart on syndromes associated with speech and language disorders was prepared for display purpose.
- 10) Therapy techniques for various speech, language and hearing disorders were compiled for use in the clinic for training students.
- 11) Acoustic and electronic practical kits have been procured and arranged for training students.
- 12) Scripts on various topics of speech and hearing are ready for video recoding.
- 13) The following public education pamphlets were prepared
 - a) Autism - Home training programme.
 - b) Stuttering - Suggestions for classroom teachers.

STAFF ACTIVITIES

Dr. (Miss) S. Nikam

Chairperson

- Board of Studies (Sp. & Hg.), University of Mysore.
- Board of Examiners (Sp. & Hg.), University of Mysore.
- Board of Studies in Special Education, Sri Padmavathi Mahila Viswavidyalaya, Tirupathi.
- Rehabilitation Council of India, Sub-Committee in the area of Speech and Hearing.

Convenor: Panel of Hearing Aids and Audiometers of BIS.

Member Secretary:

- Executive Council, AIISH, Mysore.
- Finance Sub-Committee, AIISH, Mysore.
- Academic Sub-Committee, AIISH, Mysore.

Member:

- Academic Council, University of Mysore.
- Senate, University of Mysore.
- Rate Contract Committee, Ministry of Welfare.
- General Council, RCI.
- Executive Committee, RCI .
- National Council for the handicapped, Ministry of Welfare, Government of India.
- Acoustical Sectional Committee of the BIS.
- ICRA.

Inspector:

- Rehabilitation Council of India.

Meetings attended

- Executive Council Meeting, Finance Sub-Committee Meeting, AIISH, Mysore.
- Board of Studies (Sp. & Hg), Board of Examiner (Sp. & Hg).
- Senate meeting, University of Mysore, Mysore.
- Academic Council, University of Mysore.
- Rate Contract meeting, New Delhi.
- Rehabilitation Council of India, General Council and Executive Council.
- Conference regarding Solar Energy at National Institute of Health and Family Welfare, New Delhi.
- National Seminar, Ministry of Welfare, New Delhi.
- Visited and inspected Suvarna Institute of Speech & Hearing KGF, Kolar.

Ms. Roopa Nagarajan

- Vehicle in charge, AIISH

Ms. Asha Yathiraj

- was deputed to USA on WHO Fellowship on Aural Rehabilitation to Central Institute of the Deaf, St. Louis, CID, USA.

Mr. Animesh Burman

- Security In-charge, AIISH

Ms. Vanaja C.S.

- was deputed to USA on WHO Fellowship on Electrophysiological testing to Central Institute of the Deaf, St. Louis, USA.

Dr. Prathibha Karanth

- Attended the Workshop on Bilingual test papers in Speech and Hearing for the UGC NET Examination at Delhi.
- Presided over the function at Yadavagiri Ladies Club in connection with the celebrations of 25th Anniversary and World Disabled Day.
- Reviewed the project proposal titled "Neurolinguistic study of Hindi speaking Aphasic patients: Neurology and Aphasiology Linguistics - Hindi Neurolinguistics" submitted by Dr. Apoorva Pauranik to Madhya Pradesh Council of Science and Technology, Bhopal.
- Participated in the Inspection Committee at University of Mangalore.

Member

- Selection committee, AIISH
- Academic Sub-Committee, AIISH
- Selection Committee, Institute of Speech and Hearing, Bangalore.
- Rehabilitation Council of India Sub-Committee.
- BOS, B.Sc., & M.Sc., (Sp. & Hg), University of Mysore, B.Sc., Mangalore University.
- Lab at Montreal, Canada.
- International Society for Augmentative and Alternative Communication, Toronto, Ontario, Canada.

Examiner

- B.Sc., M.Sc., (Sp. & Hg), University of Mysore.
- B.Sc., Mangalore University
- UGC National Tests, Delhi.
- Tirupati University, Tirupati
- M.Sc., in Child Development, M.S University Baroda
- D.Ed. Department of Education (GOK), Suvarna
- Institute of Speech and Hearing, KGF.

Dr. G. Purushothama

- Completed writing a book in Kannada on Speech and Hearing Disorders.
- Taken up translation of book "Disabled village children - A guide for community Health workers, Rehabilitation workers and families" by David Werner Published by the Hesperian Foundation, USA into Kannada.

Examiner - University of Mysore, Mysore.

Ms. Basanti Devi

Project co-ordinator for the project "Developmental milestones in Language Acquisition in Indian Languages: Kannada and Hindi" funded by ICSSR, New Delhi.

Dr. R.S. Shukla

Chaired a scientific session on Voice Disorders in the 26th National Conference of ISHA.

Additional Secy - Indian Speech and Hearing Association.

Examiner

- University of Mysore.
- Mangalore University

Ms. R. Manjula

Co-Investigator of the Project on "Material Development for Language Training in Major Indian Languages" funded by UNICEF.

Examiner

- B.Sc. M.Sc., (Sp & Hg), University of Mysore
- B.Sc. (Sp & Hg), University of Mangalore
- B.Sc. (Sp & Hg) Bangalore university

Dr. K.C. Shyamala

Project co-ordinator for the project "Developmental milestones in Language Acquisition in Indian Languages: Kannada and Hindi" funded by ICSSR, New Delhi.

Participated in the Hindi workshop at AIISH.

Ms. Y.V. Geetha

Attended the workshop on the Dance movement therapy.

Participating in the UNICEF Project on "Production of materials for training in major Indian languages" for the speech and language handicapped.

Started correspondence therapy for stutterers. Prepared questionnaires for evaluation of the problem through correspondence. 63 stutterers have been followed up using the questionnaires. Correspondence lessons have been prepared to provide guidance for home training of patients with stutterers.

Ms. Indira Kumari

Attended the workshop on the Dance movement therapy.

Lectures were given to Teacher Trainees for 3 days, on Management of hearing-impaired in IED, Resource room and role of resource teachers at Regional College of Education, Mysore.

- Gave a lecture on "Educational (Provisions for the hearing impaired)" to Teacher Trainees at Institute of Speech and Hearing, Bangalore.
- Orientation activities were given on "Speech, Language and Hearing Disorders and Role of Teachers" to TCH trainees, at Maharani's teacher training college, Mysore.
- Participated in NSS Camp at Sargur, H.D. Kote Taluk and the volunteers were given orientation on speech and hearing problems.
- Prepared a script for street play on speech, language and hearing disorders, emphasising early identification and management. The play was directed and enacted by students of AIISH during NSS Camps.
- Elected as Treasurer for Journal of ISHA.

Ms. K.S. Prema

- Participated in the Workshop on "The role of Grammar in CLT" held at SRLC, Mysore.
- Passed pre-Phd. qualifying examination in November, 1993.
- participating in the UNICEF project on "Production of materials for training in major Indian languages" for the speech and language handicapped.

Intensive language training for three groups of hearing impaired children was taken up:

- K2 Group - 5-8 years - Preschool skills and language skills.
- K3 Group - 5-10 years - Articulatory skills adopting cued speech method.
- K4 Group - 10+ years - Language skills.

Ms. Vijayashree

- Attended the workshop on the Dance movement therapy.
- Participated in the Fourth one Day Hindi Workshop at AIISH.

Prepared the following public education pamphlets jointly with Ms. Suchitra.

- a) Autism - Home training programme.
- b) Stuttering - Suggestions for classroom teachers.

Compilation of remedial activities for reading disability based on Aston Teaching Programme jointly with Suchitra.

Ms. M.G. Suchitra

Collected normative data for LPT for children in the age group of 11+ years to 15+ years.

Analysis of normative data for LPT for children in the age group of 6+ years to 15+ years.

Participated in the Fourth one Day Hindi Workshop at AIISH.

Dr. N.P. Nataraja

Attended the meeting for TDIL at the Department of Electronics, New Delhi.

Participated in the Project Advisory Committee meeting of the TDIL held at the Department of Electronics, New Delhi and presented the project report and a proposal on Learning System for the Handicapped.

Participated in UGC workshop on NET examination, New Delhi.

Principal Investigator of the project entitled: Speech Oriented Learning Systems for the Hearing Impaired.

Chairperson, Editorial Board, JISHA.

Dr. S.R. Savithri

Participated in the meeting at the Department of Science and Technology, New Delhi to finalize the budget of a project entitled "Child Perception: Temporal Aspects".

Participated in the National Symposium of Acoustics, VIT, Bangalore.

Attended Hindi Workshop, at AIISH.

Principal Investigator of the project entitled: Speech Perception in Children: Temporal aspects.

Assisted the Director in the matters related to training.

Member, BOS, University of Mangalore, Mangalore.

Editor, JISHA.

Mr. C.S. Venkatesh

Participated in the ISHA conference held at Patna and chaired a session on articulation.

Co-Investigator for the project entitled: Speech Oriented Learning Systems for the Hearing-Impaired.

Assisted the Director in the matters related to Purchase.

Treasurer JISHA, ISHA.

Dr. P. Kalaiah

Attended Indian Association of Clinical Psychologists (IACP) Annual Conference held at Madras and Chaired a scientific session.

Dr. P. Vidyasagar

Examiner for M.A. (Psychology), - Mysore University.

Guiding two candidates for Ph.D. degree..

Served as a member for I M.Sc., Selection Committee.

Mr. Antony Thomas

Attended a workshop on Dance and movement therapy at AIISH.

Dr. Y.T. Balakrishna Acharya

Attended the Workshop on dance and movement therapy at AIISH.

Attended the short-term course on Vocational training for the mentally handicapped held at NIMH, Secandarabad.

Mr. G. Jayarama

Attended NSS Officers training and orientation programme at Mysore organised by the NSS training and orientation centre, Mysore.

Mr. Kalyan kumar

Participated in the exhibition organised in connection with the State level pediatric conference held at Mysore.

Dr. M.V. Susheela

Attended South Zone conference of AOI held at Hotel Southern Star, Mysore and also chaired on Pitfalls in Mastoid Surgery and presented a paper on Monitoring of vocal cord lesions -A new concept. She was appointed as judge for Gold Medal papers for P.G. Sessions and for practitioners' session.

Attended Executive Council meeting at New Delhi.

Attended Symposium on Functional Surgery for Cancer Larynx and Rehabilitation in Cancers of Head and Neck at Kidwai Memorial Institute, Bangalore.

Dr. K. Rathna Sabhapathy

Attended South Zone Conference at Mysore and participated in the Scientific Sessions.

Dr. Sunil B Bhoj

Attended South Zone Conference at Mysore and actively participated in the Scientific Sessions at various capacities.

Attended ISHA Conference held at Patna.

Dr. H. Sundara Raju

Attended South Zone Conference at Mysore and actively participated in the Scientific Sessions at various capacities.

Mr. H.S. Sathish

Has been nominated as member of working committee for the project on "Documentation of instruments in Speech and Hearing" being carried out by NIMHANS, Bangalore.

Nominated as Co-investigator for the project on FM hearing aid, submitted to Ministry of Welfare.

Has been working on fabrication of mobile van.

Mr. S.S. Murthy

Prepared the design, estimation for the neuro-psychology department to international standards. // ✓

Continues to be the alternate member of ISI.

Mr. M.K. Seetharam

Has been involved in bringing out two video cassettes on instrumentation and therapy in the field of Speech and Hearing.

Mrs. B.R. Chudamani and Mr. B.N. Balasubramanya.

are involved in developing the gadget :Voice light with phonation duration". Also involved in computerising the procedure for calibration of instruments in the field of Speech and Hearing.

Mr. S.R. Srinivasa

Has been involved in preparing Bibliography for purchase of instruments, suppliers, specifications, etc.

Mr. MV Govindarajan

Participated in the following Workshops/Meetings during the year:

Attended the Standing Committee meeting of MCLC held on 17.8.93.

Participated in one day Workshop on Library Automation and networking organised by the Mysore City Library Consortium and Tata Unisys Ltd. on 19.10.93.

Participated in the Standing Committee Meeting of MCLC on 23.3.94.

Life Member

Indian Library Association (ILA) New Delhi

Medical Library Association of India (MLAI) New Delhi

Indian Speech and Hearing Association (ISHA) Mysore

LIBRARY AND INFORMATION CENTRE

The AIISH Library and Information Centre is the nucleus for the information retrieval in the speciality of Speech and Hearing in the country. It could be made as a National Data Base in the speciality.

This Library is equipped with more than 10,000 volumes of books and subscribing to a good number of specialised foreign/Indian Journals covering all the related subjects.

The Library has a separate reference section having current and back volumes of professional journals, rare and specialised books, encyclopaedias, handbooks, project reports, independent projects, master's dissertations/doctoral thesis, proceedings of the workshops/conferences rare collection of reprints and also audio-visual cell which comprises of microfische readers, slides, films, a good number of pre-recorded education cassettes.

The entire collections are organised in a systematic order and made available to the users easily. The Library and information Centre is providing various kinds of services. They are:

1. Regularly offers literature search facility on topics of interest to its clientele.
2. Specialised subject bibliographies on specified topics are being offered to the researchers.
3. Inter-library loan facilities and resource sharing activity is being done.
4. Provide reprographic service
5. Current Awareness Service
6. Audio-visual Materials are made available

We have enrolled our Library as Member of the Mysore City Libraries Consortium.

As a member of the Mysore city libraries consortium, our library is providing all the library facilities to the teaching faculty and students of the member libraries of the consortium. In turn our faculty members and students are getting the same benefit by the member libraries of the consortium.

Library has been provided with Computers and they are being used to increase the library services.

Plan Activities: It is planned to completely automate the library activities. The entire collection is being fed to the computers to automate the information and Library Services.

We enroll membership for outsiders who are working in the speciality to make use of our Library services.

Annual Statistics:

1. No. of Volumes at the end of the year (1993-94)	10198
2. No. of Volumes added	153
3. No. of Journals subscribed	39
4. No. of Books/Journals issued/consulted	78585

ACCOUNTS

SUMMARY OF PROVISIONS PROPOSED
 REVISED ESTIMATES 1993-94 AND BUDGET ESTIMATE 1994-95
 (PLAN)

Sl.No.	Standard Object of expenditure	Revised Estimates 1993-94	Budget Estimates 1994-95
1.	Salaries		
	a) Filled up posts	1.22	3.00
	b) Vacant posts		
	c) Fresh posts	1.88	2.14
2.	Allowances other than travel	0.15	0.15
3.	Payments to professional services	0.10	0.07
4.	Library books Journals and publications	4.50	4.50
5.	Equipment	11.86	25.68
6.	Furniture	7.54	
7.	Fans for the Hostels (Fixtures)		1.00
8.	Capital works.	27.75	13.46
Net demand for grants		55.00	50.00*

The allocation of Rs.50.00 indicated in Budget estimates 1994-95 is in accordance with Revised annual plan sent to Ministry on 25.5.1994 in response to their letter No.G.27017/1/04 dated 20.5.1994.

SUMMARY OF PROVISIONS PROPOSED

REVISED ESTIMATES 1993-94 AND BUDGET ESTIMATES 1994-95
(NONPLAN) (Rs in lakhs)

Sl.No.	Standard Object of expenditure	Revised Estimates 1993-94	Budget Estimates 1994-95
1.	Salaries		
	a) Filled-up posts	61.10	67.95
	b) Vacant posts	6.00	14.80
	c) Fresh posts	-	-
2.	Allowances other than travel	2.60	2.75
3.	Travel expenses	1.00	1.30
4.	Stipend	0.63	-
5.	Other charges	10.58	12.65
6.	Contributions to funds	5.05	5.25
7.	Equipment	1.00	1.45
8.	Advances to staff	4.80	5.90
9.	Wages (security)	0.72	0.80
10.	Minor works	1.00	1.25
11.	Payments to professional services	0.75	0.90
12.	Scholarship	1.56	2.04
	Total	96.59	117.04
	Receipts (Minus)	6.30	7.00
	Net Demand for grants	90.49	110.04

OFFICIAL LANGUAGE IMPLEMENTATION

The instructions laid down in the Annual Programme on Official Language policy as prescribed for Central Government offices was made applicable during the year 1993-94 also.

As in the previous years, the Hindi work, like, translation of official circulars, letters, OMs, etc., bilingual forms, Annual Reports and Audited Statement of Accounts, translation of pamphlets etc., were looked after by the Hindi Translation Unit consisting of one Hindi Translator and one Hindi-Cum-English Typist, who are assigned with other administrative works in addition.

The quarterly meetings of OLIC and the monthly meetings of Official Language Promoters Committee were held and the reports were sent regularly.

'Hindi week' was celebrated from 14 to 17 September, 1993 wherein various Hindi competition were held and the winners were awarded prizes. Mrs. Chaya Murthy, Hindi Officer from Syndicate Bank, Mysore was invited to deliver the Guest Lecture. Mrs. Basanti Devi, Lecturer in Linguistics, AIISH chaired the Valedictory Session.

Nominations for various Hindi examinations were also made. In addition, the scheme of imparting training in Hindi typewriting through correspondence organised by the Central Hindi Directorate, New Delhi was introduced. One LDC was nominated during August, 1993 - January, 1994. He came out with flying colours by winning the various incentives offered. One more nomination has been made for February, 1994 - July 1994 session. Apart from this, training in Hindi typewriting was also arranged within the Institute. Further, one staff member has been awarded incentive for doing original noting and drafting in Hindi.

Hindi books library was kept open for use of the staff and students throughout the year. By earnest efforts, the Library was enriched by getting a few more Hindi literary books from the Ministry of Human Resources Development.

During the year computerisation of research work, clinical work and administration was taken up in phased manner. Like ke wise Hindi softwares were bought and being used. Thus, work in Hindi implementation programme has gained acceleration.

The Fourth One Day Hindi Workshop was conducted successfully on 28th February, 1994. Ten members of staff, both from technical and administrative branches, participated in the workshop. A report to this effect was publicized in the Newspapers.

CIVIL ENGINEERING SECTION

1. Construction of Speech Block

The above work is completed in all respects during the year and the Department of Speech Sciences and Speech Pathology have started functioning in the new building. The total expenditure on the building is Rs.36.20 lakhs including Electrical and Acoustical treatment to four rooms. The final claims of the contractor is also settled.

2. Extension of the ladies hostel

The estimate for the above work was sanctioned at the cost of Rs.1.50 lakhs and the agency for carrying out the work was also fixed. The work has been started and up to the end of March, 1994, the roof slab over the left wing and dining hall portion is completed. The total expenditure booked up to the end of March, 1994 is Rs.7.10 lakhs and the work is expected to be completed before October, 1994.

3. Extension of the Men's hostel

The estimate for the above work was technically scrutinized for Rs.4.5 lakhs and agency for the work was fixed during February, 1994. The work has been started and is expected to be completed before December, 1994.

4. Construction of the ENT II Phase

The estimate for the above work was technically scrutinized for Rs.17.00 lakhs by the Chief Engineer, C&B (South), Bangalore and the agency for the work was also fixed during February, 1994. The site was handed over to the contractor during February, 1994 and the work is expected to be completed by the end of August, 1995.

5. Maintenance of campus buildings

During the current year annual repairs and maintenance of 'D' type quarters, Dharmashala and some portion of Administrative Block and Clinic section have been completed.

6. AIISH Guest House and Dharmashala

- a) **Guest House:** During the current year, the guest house facility for the patients was withdrawn and accommodation was given to students of the Ladies' hostel with effect from 5.8.93. The rent recovered during the current year from 1.4.93 to 26.7.94 was Rs.9,190/-.

b) Dharmashala: Total amount of the rent recovered during the current year from the patients and their attendants was Rs.8,642/.

1. Utilization of Dharmashala by the cases and their attendants.

Sl.No.	Particulars	Period	Total amt. collected.	Remarks
1.	Guest House	1.4.93 to No.SH/GH/92	9,190.00	As per OM 26.7.93 converted into Ladies' Hostel.
2.	Dharmashala	1.4.93 to 31.3.94	8,642.00	
		Total	17,832.00	

PERSONNEL CELL
SANCTIONED POSTS AND STAFF POSITION AS ON 31.3.1994

Group	Sanctioned posts	Staff working	Vacant posts	Position in staff working	
				SC	ST
Group A	34	23	11	4	1
Group B	17	10	7	1	-
Group C	76	67	9	7	2
Group D	54	54	-	20	-
	181	154	27	32	3

In Group 'A' some of the posts have been advertised in October 1993 and these posts are yet to be filled up.

In Group 'B' 3 posts were sanctioned making the total to 17. Out of the 3 posts sanctioned one post has been filled up.

In group 'C' 3 posts were sanctioned making the total to 76., and all the three new posts have been filled up.

