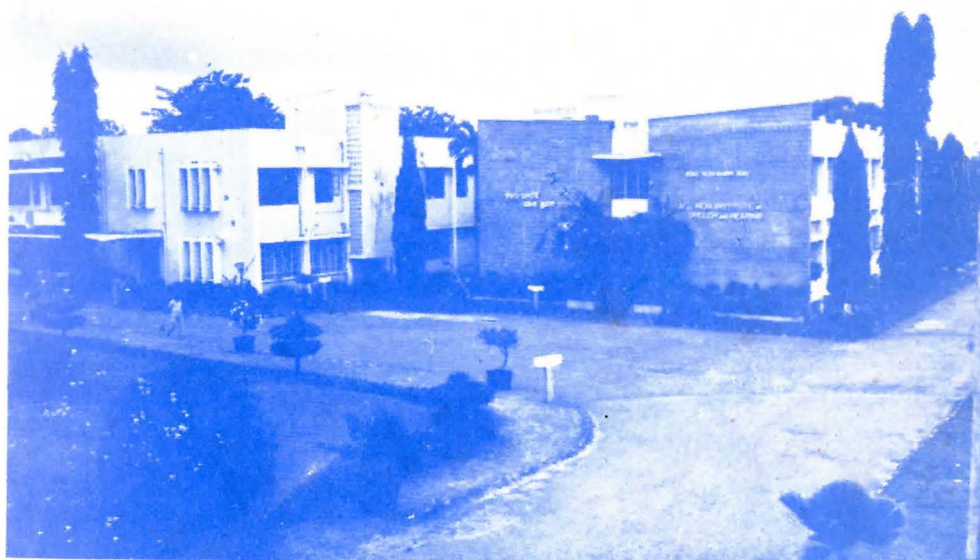


ANNUAL REPORT 1994 - 95



THE ALL INDIA INSTITUTE OF SPEECH AND HEARING
MYSORE - 570 006

CONTENTS

1.	Introduction	1
2.	Objectives of the Institute	2
3.	Governing Authorities of the Institute	4
4.	From the Desk of the Director : Highlights of the year 1994-95	8
5.	Training	14
6.	Clinical Services	23
7.	Research Activities	29
8.	Equipment Procured During the Year	30
9.	Material Development	32
10.	Staff Activities	33
11.	Scientific Papers Presentation/Published/Sent for Publication	39
12.	Library and Information Centre	41
13.	Accounts	42
14.	Official Language Implementation Unit	44
15.	Civil Engineering Section	45
16.	Personnel Cell	46

Introduction

All India Institute of Speech and Hearing, Mysore, the first of its kind in the whole of South East Asia, came into being on August 9, 1965 under the aegis of the Union Ministry of Health and Family Welfare, and is wholly financed by the Government of India. The Institute is registered as a Society under the Societies Registration Act XXII of 1960 (Punjab Amendment) Act 1957, and is functioning as an autonomous body.

The main objectives of the Institute are imparting professional training, rendering clinical services, undertaking research and rehabilitation in the field of communication disorders. The University of Mysore has accorded permanent affiliation for teaching programs leading to the awards of B.Sc., M.Sc., and Ph.D., degrees in Speech and Hearing. The Institute also conducts short term/refresher and orientation training programs.

The following are the Departments concerned with the academic and professional activities of the Institute.

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

The departments are actively engaged in teaching, clinical and research activities in addition to collaborating with other Institutions in such activities. Workshops/Seminars and Conferences, besides public education programs, were also conducted. The Institute has been recognized by the Government of India as an advanced centre for training and clinical services in the field of speech and hearing.

A full fledged clinic serves as a practical training ground to the trainees in diagnostic evaluation, treatment, counselling and rehabilitation facilities for not only the speech and/or hearing handicapped but also in psychological and/or otorhinolaryngological problems.

Ever since its inception, speech and/or hearing impaired from both within and outside the country have been availing the clinical services provided in the Institute premises. Facilities are also available for evaluation of patients of all ages having problems, such as, voice, speech, language, hearing and also those with mental retardation and/or otorhinolaryngological involvements. The involvement of highly qualified and experienced professional staff of the Institute as well as of the medical specialists of the Krishnarajendra Hospital, Mysore, in these activities ensures expert services to the population concerned.

Patients are referred to the Institute by local as well as by out station medical professionals, teachers from schools and the District Rehabilitation Centre (Ministry of Welfare) Government of Karnataka. This indicates the reputation and the ever increasing area of function the Institute has established over the years.

The main avenues utilized by the Institute for disseminating information related to the various activities ranged from newspapers, articles and public education pamphlets, radio talks, exhibitions, audio visual presentations besides publishing a specialized Journal, namely 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 eg., 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 in 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 Welfare (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
Ministry of Health and 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)
Ministry of Health & Family Welfare
Government of India
Nirman Bhavan
New Delhi 110 011

Member

Joint Secretary
Ministry of Welfare
Government of India
Shastri Bhavan
New Delhi 110 011

Member

Joint Secretary
Ministry of Health & Family Welfare
Government of India
Nirman Bhavan
New Delhi 110 011

Member

Secretary
Department of Health & Family Welfare
Government of Karnataka
Multistoreyed Building
Dr. B.R. Ambedkar Road
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 & Family Welfare Government of India Nirman Bhavan New Delhi 110 011	Member
Secretary Government of Karnataka Dept. of Health & Family Welfare Multistoreyed Building Dr. B.R. Ambedkar Road Bangalore 560 001	Member
Director National Institute for Mental Health & Neuro Sciences Bangalore 560 029	Member
Director All India Institute of Speech and Hearing Mysore 570 006.	Member-Secretary

Academic Sub-Committee

Director of Medical Education Government of Karnataka Ananda Rao Circle Bangalore 560 009	Chairman
Deputy Director General of Health Services Medical Education Government of India Nirman Bhavan New Delhi 110 011	Member
Director Central Institute of Indian Languages Mysore 570 006	Member
Heads of Department of Audiology, Speech Pathology, Speech Sciences, ENT, Clinical Psychology, Electronics All India Institute of Speech and Hearing Mysore 570 006	Member
Professor Emeritus NIMHANS Bangalore 560 029	Member
One Representative from University of Mysore Mysore 570 005	Member
Director Institute of Speech and Hearing Bangalore 560 084	Member
Principal Government Medical College Mysore 570 001	Member
Director All India Institute of Speech and Hearing Mysore 570 006	Member-Secretary

(under revision)

From the Desk of the Director : Highlights of the Year

INTRODUCTION

The year under report was eventful. With the initiation of many path breaking activities, the Institute was virtually a bee-hive. At the National level, the Institute was represented in almost all the meetings which were of any significance to the handicapped. Thus, the Institute continued to play a central role in policy matters pertaining to man power development and management of communication disorders. Within the Institute, the inflow of funds (under grant in aid) and equipment (through WHO) kept the mood upbeat.

MEETINGS

The Review Committee which was constituted by the Executive Council in its 41st Meeting, met several times and made recommendations for rationalizing the powers vested with the various authorities of the Institute and for revising the recruitment rules for the sanctioned posts.

The recommendations of the Finance Sub Committee which met twice were placed before the 42nd meeting of the Executive Council which met under the Chairmanship of Sri C. Silvera, Hon'ble Union Minister of State for Health and Family Welfare. With implementations of the decisions of the Executive Council will facilitate speedier processing of administrative matters.

FISCAL MATTERS

During the year 1994-95 the Institute has received a total grant-in-aid of Rs. 1,79,00,000/- (Rs. 1,04,00,000/- under Non Plan and Rs. 75,00,000/- under Plan) from the Ministry of Health and Family Welfare, Government of India. Maximum returns in the grants received and that of internal revenues generated were ensured by investment of funds and utilization of funds on day to day activities both under Plan and Non Plan. The total financial outlay during 1994-95 both Plan and Non Plan were in crores, which is an outstanding feature of the year.

TRAINING

Work related to the training program such as admissions, examinations, was done as per schedule prescribed by the University of Mysore. An increase in the awareness of the Institute was evident in more number of applications received, especially from the North East region. As in previous years, more number of lady candidates got admitted. Use of resource materials, new and old, besides lectures provided a varied learning experience. The posting of student trainees to the various departments in the Krishnarajendra Hospital to gain exposure in a medical setting was continued. Expanding such extension services is on the anvil.

Results of the under graduate and post graduate degree examinations were announced in record time.

Short term training programs introduced in the past have proved to be popular. The programs were conducted both in Mysore and outside Mysore. With the availability of video cassettes prepared by us, it is expected the appetite would be whet for these programs.

Yet one more milestone was added in our training program by implementing the Apprentices Act, 1965 on the approval of the Executive Council which met on February, 1995.

REHABILITATION COUNCIL OF INDIA

It is a statutory body established by the Government of India to work for the welfare of the handicapped people in the Country.

The Director of the Institute, the only speech and hearing professional to be a member of its Executive Committee attended the meetings whenever convened. She is also Chairperson of the Sub Committee on

Speech and Hearing. She also attended a meeting for the Manpower Development organized jointly by the Rehabilitation Council and the Ministry of Welfare, Government of India. The first meeting of the Sub Committee on Speech and Hearing of the Rehabilitation Council of India was held in the Institute to review the syllabi and recommended common syllabi in Speech and Hearing to be adopted at the Bachelor's and Master's level training programs in the Country. A workshop with the University Grants Commission is being scheduled later in 1995.

WORLD HEALTH ORGANIZATION ASSISTANCE

During the biennium 1992-93, WHO assistance was received in the form of fellowship to two of our staff and supply of state-of-the-art equipment. The staff received intensive training in advanced centers in U.S.

The equipment received have paved the way for initiating new diagnostic procedures in the evaluation of voice disorders. Multi dimensional voice profile analysis has made it possible to measure aerodynamic parameters and finer details of voice abnormalities. This has also helped the student trainees in better understanding of voice production. Norms have been developed on normal population.

We have been informed that one student from Iran will work at the Institute under WHO fellowship from December, 1995.

IMPLEMENTATION OF OFFICIAL LANGUAGE

Hindi and its progressive use : Incessant efforts were made for implementation of official language in general administration and also on the clinical front. The Institute has been notified in the Government of India Gazette Under Rule 10(4) of O.L. Rules 1976 in the issue dt. 3.12.1994 on page-S101 at Sl.No.3384.

For the first time performance budget for the year 94-95 and an Editorial in the 1994 issue of AIISH Journal was done in Hindi.

Two of our administrative staff qualified in Hindi Typing with distinction.

SERVICE ACTIVITIES

Service Activities have always been on top of the agenda. Continuous efforts were made to improve the services in quality and speed. The increased benefits have yielded rich dividends.

Since the inception of the ADIP Scheme of the Ministry of Welfare, Govt. of India, the Institute has been one of the major distributing agencies of hearing aids for the needy. Last year, this program received a shot in the arm on account of the increase in the grant from the Ministry which helped in extending the benefit to a much larger number of patients. To increase the efficiency in implementing this program at the Institute level, for the first time, the issue of hearing aids was made a '**single window**' procedure.

To serve the rural population, we have joined hands with other organizations like the Family Planning Association of India. This integrated approach has helped us in saving man/hours and materials. Under this program, we have been able to train the field workers and the Anganwadi workers.

Patient correspondence was centralized to monitor the queries and replies sent. Analysis showed that maximum number of letters received were regarding hearing loss. Letters received were in Hindi, Kannada, Tamil, Telugu, Malayalam and English from Delhi, North Eastern States, Karnataka, Tamil Nadu, Andhra Pradesh, Kerala and overseas. A format for the patient correspondence was prepared in three languages for expediency.

Handling patient correspondence is a rewarding experience, especially when the services of the Institute are gratefully acknowledged. Though they vary in content, such letters invariably show the impact made by the staff devoted as they are to their respective duties.

Scripts for video recording on various aspects of rehabilitation work have been prepared. Developing video cassettes is an activity taken up under VIII Plan.

Preparation of resource material in the form of handouts, tape-cum-slide audio sets and video cassettes is an on going process. The student trainees contribute significantly towards this program by preparing the script, selecting the suitable visual material from the publications available in the Library. During the year, a program for field trial of the resource materials developed was taken up and completed.

MANPOWER DEVELOPMENT

There is a serious concern for making qualified manpower available for providing necessary professional services in the country. In this connection, Union Ministry of Welfare and the Rehabilitation Council of India had arranged a meeting in New Delhi on 27th March, 1995. At this meeting, the manpower requirements felt in the areas of professional personnel and strategies for making manpower development was discussed.

It is well recognized that the first step in manpower development is to attract talented young men and women who have the right aptitude for working with the handicapped. In this connection, the Institute has already taken steps through a leaflet developed for distribution in various parts of the country so as to sensitize the youngsters to a career in speech and hearing.

In the recent South Asian Association for Regional Cooperation meeting held in Hyderabad the members were impressed with our work and progress made in the field of training and rehabilitation. The SAARC members found it feasible to send eligible students from their respective countries for training at the Institute. Thus the Institute is providing a fair chance to the members of these countries to work for the rehabilitation of the communicatively handicapped people.

RESEARCH AND DEVELOPMENT ACTIVITIES

A few research projects are in progress in various Departments through external agencies.

- a. **The project entitled : Speech Perception in Children : Temporal Aspects**, was funded by the Department of Science and Technology, New Delhi. The purpose of this project is to study the development of temporal parameters and the temporal perceptual processing in 4-7 year old normal Kannada speaking children. Later it is planned to compare the development of speech production and perception to suggest ways of evaluating and rehabilitating the communication impaired.

So far, five experiments evaluating the synthesis of words with five parameters have been completed and speech production and perception data has been acquired for 24 normal children.

- b. **The project entitled : Developmental Milestones of Language Acquisition in Indian Languages : Kannada and Hindi**, funded by ICSSR, New Delhi. The purpose of this project is to identify milestones or developmental stage in the development of Kannada and Hindi in young children from birth to 5 years. Different aspects of phonology, morphology, syntax and pragmatics are being studied. Identification of suitable children and their data collection for Kannada and Hindi have already been accomplished. Analysis of Kannada data is completed while that of Hindi is nearing completion.

In the previous years developmental activities in the form of public education pamphlets, audio and video cassettes were prepared and released.

COMPUTER APPLICATIONS

Clinical applications of personal computers were attempted for the first time in the country at this Institute. We feel proud that we successfully conducted two National level workshops on this subject and have provided hands on training for Speech and Hearing specialists of the country.

We have been actively involved in developing necessary software and hardware for further applications for the benefits of the patients.

The LAN server has been installed and the computer located in the different points has been hooked on to the LAN server. Suitable software for file management system and for research has to be got done through software professionals. This has been proposed for 1995-96 plan activities. The necessary sanction has been obtained.

PUBLICITY/PUBLIC EDUCATION

The public education pamphlets currently available were revised/reviewed, which will soon go to press. It is expected that they will have a new look. New avenues for distribution of the pamphlets have been identified and made use of.

Throughout the year, the Institute received good press coverage. There is better awareness of the public as to the activities of the Institute. Occasions that can be exploited to send messages regarding the prevention and management of communication disorders are fully utilized. Thus Diwali, New Year, Ugadi greetings were accompanied by catchy slogans. Availability of in house screen printing facilities came in very handy for this purpose.

CONSTRUCTION WORK

New buildings such as the ENT II phase, extension to the Ladies' and Mens' Hostel and the 'C' type quarters spotted the 32 acres of land. Progress on the proposed Guest House was brisk. Sufficient attention is also paid to the maintenance of the buildings to keep them looking as good as new.

CELEBRATIONS

During the year, there were celebrations galore. The Institute Anniversary was celebrated on 9th August with much fanfare. Staff and students were treated to a sumptuous lunch on the terrace of the Institute from where one could also enjoy the picturesque beauty of the surroundings. At the evening's program put up at a local auditorium prize winners in the various competitions and the participants in the cultural program were applauded by the audience which consisted of the cross section of the citizens of Mysore. The evening was not all song and dance, however, Audio and Video cassettes prepared by the Institute were released by the Chief guests present. With each passing year, the anniversary celebrations is gaining the character of a family reunion.

Sadbhavana Diwas and Communal Harmony Fortnight were occasions which brought forth the best of organizing ability and creativity of the staff and students. For the duration of the fortnight, quiz competitions for students, staff and parents of children receiving therapy at the Institute was a veritable battle of wits between the quiz masters and the participants. The "**Sadbhavana Pledge**" was administered by the Director. The students participated in the Sadbhavana Jatha organized by the district administration. NSS volunteers visited orphanage as part of the program.

Inauguration of Students' Association and the NSS activities marked the Teacher's Day on September, 5th. The chief guests, both excellent speakers kept the audience spellbound. With such a flying start, it was no wonder that the students organized a variety of activities. Our students also won prizes in the inter-collegiate competitions.

SUMMER CAMP FOR THE SPEECH AND HEARING HANDICAPPED CHILDREN

The Summer Camp organized was one of the first of its kind in the history of the Institute. The purpose of this program was to draw out the dormant talent in the children and the staff. The program was finger licking good for the children and a roaring success in the opinion of the staff. At the time of writing this report the experience was repeated in the following year also.

FREE HEARING AID CAMP

Being one of the agencies to distribute hearing aids to the hearing handicapped free of cost in a day's camp in the month of August was conducted at the Institute. A total number of 127 hearing aids were distributed to the identified hearing impaired persons.

HEARING AID USERS' WEEK

A week long program was conducted at the Institute for the benefit of the hearing aid users. During this week, free servicing, repairs and replacement of worn out parts of the hearing aids was done. Old and non-serviceable hearing aids were exchanged for the new ones. The users were given guidance for the proper maintenance of the machine to get optimum efficiency out of it. A total number of 214 people made use of this facility.

PRIZES AND AWARDS

The Dasara Festival in Mysore is well known. It was festive time at the Institute also with the Horticulture Section bagging prizes consistently since the last several years. This year under report was no exception. The only exception was that we won more prizes than in the previous years. In all ten first prizes, and two each of 2nd and 3rd prizes were awarded.

Four SC/ST students of the II M.Sc. Class were awarded grants of Rs. 600/- to complete their dissertation work from the University of Mysore.

VISITORS

It was a thrilling experience to welcome MPs from Rajya Sabha under the leadership of Sri M.A. Baby and make presentation on the activities of the Institute. The staff from various sections and departments rose as one man to put the best foot forward. That the efforts paid rich dividends was evident from the positive reactions of the members of the team who evinced keen interest in the progress of the Institute.

The Institute is on the itinerary of the pilgrims to educational and professional institutions. Requests from students of medicine, architecture, Psychology, aviation medicine etc., to visit the Institute is on the growth curve.

Much welcome were the former students who are rendering service both within and outside the country. Such visits are invigorating : news and views are exchanged informally which brings us abreast of professional developments elsewhere. Formal guest lectures are rewarding experiences, where sometimes the roles of the teacher and the taught are reversed.

UTILIZATION OF SOLAR ENERGY

With a view to improve hygiene in the Departmental Canteen of the Institute, for the first time solar energy is being used for cooking and cleaning work in the Canteen.

In keeping with the trend of using alternate forms of energy, solar water heaters have been installed in the hostel buildings on the campus.

COMMITTEES

The committees which have been constituted to assist the Director in the smooth functioning of the administration have done a very good job. Special mention may be made of the Hostel Committee, Clinical Services Committee, Stores Purchase Committee and the Journal Committee.

ACKNOWLEDGMENT

It would not have been possible to achieve, without financial support and encouragements by the Ministry of Health and Family Welfare, Ministry of Welfare, Government of India; Chairpersons and Members of Executive Council, Finance Sub Committee, Review Committee. We gratefully acknowledge their support, encouragement and assistance.

TRAINING

The primary objective of the Institute is to train under-graduate, post-graduate and doctoral students in the field of Speech and Hearing who in turn can serve the speech and hearing handicapped in India. 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 were conducted and assignments were given by the respective academic staff to the concerned students. Annual examinations of B.Sc., M.Sc., as well as supplementary examinations for B.Sc., were conducted as prescribed in the Manual of Conduct of Examinations issued by the University of Mysore.

A. Undergraduate and Post-graduate Programmes :

I. Admission Details :

a. Applications : A total number of 381 applications for B.Sc., and 63 applications for M.Sc., were received. The distribution is as follows:

Particulars	No. of applications received	
	B.Sc.,	M.Sc.,
Selection Committee Meeting	16-7-94	8.8.94
North Zone	32	NA
East Zone	38	NA
West Zone	13	NA
South Zone	260	NA
SC	23	4
ST	9	1
Inservice	NA	1
Foreign	6	NA
General Merit	381*	57
*(including all applications)		
	381	63

NA Not applicable

b: Admissions : Admissions for I B.Sc., and I M.Sc., were made according to the rules and regulations of the University of Mysore. Zonewise distribution of the male and female are as follows:

	I B.Sc.,		I M.Sc.,	
	Male	Female	Male	Female
General Merit	2	3	2	16
North Zone	*	3	**	**
East Zone	3	2	**	**
West Zone	2	2	**	**
South Zone	1	2	**	**
SC/ST	3	*	**	3
Foreign	1	2	**	**
In service	**	**	**	**
	12	14	2	19

26

21

* Not received ** Not applicable.

c. Class wise distribution of candidates Male and Female :

B.Sc.,						M.Sc.,			
I		II		III		I		II	
M	F	M	F	M	F	M	F	M	F
12	14	6	20	14	18	2	19	6	17
26		26		32		21		23	
84						44			

Total Strength B.Sc., & M.Sc., - 128

d. Merit Scholarships :

	1992-93	1993-94	1994-95
I B.Sc.,	10	10	10
II B.Sc.,		10	10
III B.Sc.,			10
I M.Sc.,	5	5	5
II M.Sc.,		5	5

The following B.Sc., and M.Sc., students belonging to SC/ST were awarded merit scholarships, financial assistance for doing dissertation work.

II B.Sc.,	1. Jayaprakash E.	II M.Sc.,	1. Arun Biran
	2. Seema		2. Rajeev P.
III B.Sc.,	1. Rajesh H.		3. Biswajit Das
			4. Venugopal

The students of B.Sc., and M.Sc., courses were trained in the various departments to evaluate and give therapy for patients with various speech and hearing disorders, using various instruments as detailed below :

e. No. of course conducted by various departments :

Name of the Department	B.Sc.,			M.Sc.,	
	I	II	III	I	II
Audiology	1	2	3	2	2
Clinical Psychology	1	1	3	2	1
Electronics	1	*	*	*	1
Otorhinolaryngology	*	1	*	1	*
Speech Pathology } Speech Sciences }	1	1	3	1	2
		1	*	1	*
Medical Sciences	3	2	*	1	*
Language	1	*	*	*	*

* Not applicable

f. Clinical Practicum at AIISH : The students were posted to various departments. The number of hours of postings to different departments are as follows :

Department	B.Sc.,			M.Sc.,	
	I	II	III	I	II
i. Diagnostics					
Audiology	1040	1560	2560	1210	2000
Clinical Psychology	1040	1560	2560	1210	2000
Electronics	1040	*	*	*	2000
Otorhinolaryngology	*	1560	*	1210	*
Speech Pathology	520	780	2560	605	2000
Speech Sciences	520	780	*	605	*
ii. Therapy**	4680	9360	13520	5880	8280

* No student postings. ** For patients of all ages and various communication disorders such as hearing impaired, delayed speech, misarticulation, behaviour problems, etc.

g. External Postings :

The extension services were introduced two years ago which involved student postings in Krishnarajendra Hospital, Mysore, to paediatric, adult and psychiatry wards, physiotherapy and plastic surgery units.

B. Doctoral Program :

1. No. of candidates working for Ph.D.	11
2. No. of candidates who were awarded Ph.D. during the year	2
3. No. of candidates registered for Ph.D.	1
4. No. of candidates who have taken pre Ph.D. examinations.	3

C. Short term/Orientation/Refresher Courses :

Following were the **Short term/Refresher/Orientation** Training Programs conducted for the benefit of professionals/allied professionals.

Sl.No.	Name of the course	Dept. involved	Date	Students from
1.	Calibration of Audiometers	Audiology	27.4.94	Medical Profn.
2.	Electrophysiological Measurements	"	28.4.94	"
3.	Early Identification of Speech & Hearing Disorders	Aud/Sp.Sc.	28.4.94	"
4.	Audiological Tests	Audiology	29.4.94	"
5.	Evoked Response Audiometry	"	29.4.94 5.12.94	"
6.	Purchase and Installation of equipment related to Speech and Hearing	Electronics	27.4.94	"

Sl.No.	Name of the course	Dept. involved	Date	Students from
7.	Speech and Language of the Mentally Retarded child	Sp. Pathology	27.4.94	Medical Profn
8.	Rehabilitation of the Mentally Retarded Child	"	7.12.94	"
9.	Laryngectomy	"	25.4.94	"
10.	Voice and Fluency Disorders	Sp. Pathology/ Sp. Science	28.4.94 6.12.94	" "
11.	Computer Aided Therapy Techniques	Sp. Science	25.4.94	"
12.	Acoustic Phonetics and spectrography	"	26.4.94	"
13.	Application of Personal Computer in the Diagnosis and Treatment of Communication Disorders	"	26.4.94	"
14.	Earmolds and Earmold Modifications	Audiology	26.4.94 26.5.94	ITI Studts.
15.	Hearing Aid Repairs	Electronics	18.7.94 18.8.94	"
16.	Earmolds	Audiology	15.2.95	B.Ed. Studts.
17.	Speech and Language Development of the Hearing Impaired	Sp. Pathology	13.2.95	"
18.	Language Assessment in Children and Adults	"	14.2.95	"
19.	Earmold and Earmold Modifications	Audiology	6.2.95	Sp. & Hg Profn.
20.	Audio visual Course on Noise Measurement and Hearing Conservation	"	6.2.95	"
21.	Electroacoustic Measurements and Hearing Aids	"	6.2.95	"
22.	Assistive Listening Devices	"	8.2.95	"
23.	Insertion Gain Measurements	"	8.2.95	"
24.	Hearing Evaluation and Amplification Devices for the Hearing Impaired	"	10.3.95	"
25.	Hearing Aid Repairs	Electronics	10.3.95	"
26.	Measurement procedures in Voice	Sp. Science	7.2.95	"
27.	Acoustic Phonetics and Spectrography	"	7.2.95	"

D. Guest Lectures Arranged at AIISH :

1. Mr. Kesheorey DRDO, Bangalore, "Speech Coding"
2. Dr. Viswanath, Department of Neurology, Houston, Texas, USA, "Resolution of Repetitive Fragmentation of Words by Stutterers".
3. Dr. S.S. Agarwal, Scientist, CEERI, New Delhi, "Speech Perception".
4. Dr. Sathyan, Audiologist, Sydney, Australia, "Audiology in Australia".
5. Dr. Sathyan, Audiologist, Sydney, Australia, "Auditory Evaluation".
6. Dr. G.N. Rangamani, Kentki, USA, "Dysphagia and its Management".
7. Dr. T.V. Ananthapadmanabha, Executive, Voice and Speech Systems, Bangalore, "Speech Production, Signal Analysis, Speech Signal Processing, Digital Signal Analysis, Speech Analysis Methods and Source Analysis".
8. Dr. Gerarda Halena, Hulsbergen, Clinical Psychologist, Netherland, "Psychotherapy and Communication Disorders".
9. Mr. John Hatton, The National Deaf Blind and Rubella Association, U.K. "Rehabilitation of the Hearing Impaired".

E. Guest Lectures Delivered by AIISH Staff Members :

1. Ms. K. Indira Kumari, "Speech and Language Disorders in School Children and Management" at Regional College of Education, Mysore.
2. Ms. K. Indira Kumari, "Orientation on Identification, Prevention, Management and Referrals with reference to Communicatively handicapped school children", to NST and TCH trainees at St. Joseph's Teachers College, Mysore.
3. Dr. N.P. Nataraja, "Development of Voice Culture" in the Practical Course for Announcers/Comperers at All India Radio, Mysore.
4. Dr. S.R. Savithri, "Speech Perception" to the staff and students. Institute of Speech and Hearing, Bangalore.

INDEPENDENT PROJECTS/DISSERTATIONS

a). Independent Projects

(i) Completed

Reg. No.	Title
M 9301	: A comparison of attenuation characteristics of indigenous versus imported ear protective devices.
M 9302	: Quiz on Speech and Hearing.
M 9303	: Awareness regarding various components of hearing aids among hearing aid users - A survey.
M 9304	: Acoustic Characteristics of Nepali language (long term average speech spectrum).
M 9305	: Setting up a classroom for the hard of hearing children.
M 9306	: A normative data on acoustic reflex latency in cochlear pathology.
M 9307	: Minimal requirements for setting up a hearing aid clinic.
M 9308	: An audiovisual on tests which differentially diagnose cochlear and retrochlear pathologies.
M 9309	: Audiovisual for a course on hearing aid.
M 9310	: The effects of parallel and diagonal vents on the electroacoustic characteristics of body level hearing aids in moderate category.
M 9311	: Otoacoustic emissions : A review of studies from 1978-1994 which can be done on Celesta 503.
M 9312	: Effect of age on susceptance.
M 9313	: An normative data of acoustic reflex latency on normal adults and children.
M 9314	: An audiovisual script : Counselling for the hearing impaired.
M 9315	: Effect of age on conductance.
M 9316	: A comparison of subject performance using hearing aid and tactile aid (1993-94)
M 9317	: Differential perception of filtered speech by native speakers of Tamil and Malayalam.
M 9318	: Audiovisuals on audiometer and audiogram
M 9319	: A course on noise pollution - Audio and Visual resource material.
M 9320	: A comparative study of immittance results using GSI 33 and ZO 174 in normals.
M 9321	: Vibrotactile aid with and without speech reading - A comparison.
M 9322	: Admittance in geriatrics - Normative data.
M 9323	: Slides and audio tape on normal and abnormal structures of the ear.

(ii). Under Progress :

Reg. No.	Title
M 9401	: Some aspects of hearing aid usage BTE users - A follow up study.
M 9402	: The world of sound - In relation to noise measurements : An audiovisual.
M 9403	: Efficacy of the audiovisuals developed on hearing loss - A field study.
M 9404	: Bibliography for parents of the hard of hearing.
M 9405	: Hearing aids - A quest.
M 9406	: Clinical supervision of undergraduate and post graduate students in Audiology : Guidelines.
M 9407	: Audiology - Its genesis and metamorphosis.
M 9409	: Assessment of speech by parents of normal and HOH children : A comparison.
M 9410	: Requirements for adult aural rehabilitation program.
M 9411	: Quest on Audiology - Learning through visuals.
M 9412	: Public education for prevention of hearing loss.
M 9413	: An insight into otoacoustic emission - A question bank.
M 9414	: Assistive listening devices - A query.
M 9415	: Electroacoustic measurements - Learn through audiovisuals.
M 9416	: Hearing aid performance - Its care and maintenance (HAPICAM) - A follow up study.
M 9417	: Immittance Audiometer - Purchase, Installation and Maintenance.
M 9418	: Requirements to set up aural rehabilitation program for children.
M 9420	: Everything you ought to know on BSERA.
M 9421	: An insight into noise instrumentation.
M 9422	: Question bank on tests differentiating cochlear and retrocochlear pathology.
M 9423	: Noise Audiovisuals.

b). Dissertation :

(i). Completed :

M 9201	: Pattern recognition in the classification of various voice disorders.
M 9202	: Language and speech motor interference in stuttering.
M 9203	: Frenchay dysarthria assessment in cerebral palsied.

Reg. No.		Title
M 9204	:	Aerodynamic measurements in adults.
M 9205	:	Test of writing for children in Hindi - TOWCH.
M 9206	:	Interaction of speech motor coordination and language process in stuttering.
M 9207	:	Relationship between deglutition oral reflexes and articulatory ability in the cerebral palsied.
M 9208	:	Test of pragmatics.
M 9209	:	Efficacy of enhanced colour coded orthography symbols as an augmentative system in cerebral palsied.
M 9210	:	Analysis and synthesis of speech and hearing impaired (Malayalam).
M 9211	:	Orthographic effect on naming, speed and accuracy of reading.
M 9212	:	Malayalam language test - MLT
M 9213	:	Comprehension and production of speech in hearing impaired children.
M 9214	:	Speech and voice characteristics of cleft palate patient with and without custom made prosthesis.
M 9215	:	Some phonological process in children who stutter.
M 9216	:	Slope measurement and automatization of slope in EGG waveforms.
M 9217	:	Lexical meanings of visual terms in blind children.
M 9218	:	Pattern recognition of EGG waveforms.
M 9219	:	Analysis of speech of laryngectomees.
M 9220	:	Effect of sampling frequency of F_0 on perturbation.
M 9221	:	Acoustic analysis of Kashmiri vowels.
M 9222	:	Variations in seven swaras of Karnatak music.
M 9223	:	Test of writing skills in primary school (TOWCK) A pilot study.
M 9224	:	Aerodynamic measurements at various pitch levels.

(ii). Under progress :

M 9301	:	Word frequency effect on rapid reading in Kannada.
M 9302	:	Multidimensional voice profile in different age groups.
M 9303	:	A study of echolalia in autistic children.
M 9304	:	Deep test of articulation in Nepali.
M 9305	:	Language impairment in head injured patients.

Reg. No.	Title
M 9306	: Multi dimensional analysis of voice disorders.
M 9307	: Autism and children with autistic characteristics - A guide for Speech language evaluation and diagnosis.
M 9308	: VOT as a cue to voicing contrast.
M 9309	: Aphasia therapy - A guide for home training.
M 9310	: Development of early reading skills.
M 9311	: LPT norms on school going children in Hindi.
M 9312	: Speech language characteristics in post encephalitic children.
M 9313	: A normative data on aerodynamic parameters on normal adults and children.
M 9314	: Interaction between the language and speech motor act in adult stutterers.
M 9315	: Cross modal perception of orthographic and auditory mode.
M 9316	: Slips of the tongue in Tamil.
M 9317	: The deep test of articulation in Tamil.
M 9318	: Susceptibility criteria for vocal fatigue.
M 9319	: Cross modal perception in speech reading and auditory mode.
M 9320	: Durational measurement of vowels in Malayalam.
M 9321	: Remediation of reading disability in early school goers.
M 9322	: Developmental dysphasia Identification and Evaluation.
M 9323	: Developmental changes in infant cry.

Hearing Evaluation :

The hearing of the patients was evaluated using pure tone audiometry, speech audiometry, special tests, immittance audiometry in order to differentially diagnose the hearing disorders. Audiogram copies and certificates were being issued when requested. Appropriate referrals and counselling were also made.

Industrial workers were screened for hearing and were advised to use ear protective devices.

No. of cases seen	.....	7284
No. of ears with	:	
Normal hearing		2290
Conductive hearing loss		2729
Mixed hearing loss		3423
Sensorineural hearing loss		5441
No. of certificates issued for	.....	362
Financial benefit		279
Admission to normal school		1
Admission to deaf school		1
Tax exemption		8
Physically handicapped		24
Others		49
No. of audiogram copies issued	.....	1389

Hearing Aid Trial :

The cases were evaluated with body level (AC/BC), behind-the-ear, spectacle (AC/BC), in-the-ear, and FM types of hearing aids and appropriate hearing aids were prescribed. Demonstration and counselling was imparted to cases regarding auditory training, speech reading and hearing aid use. Electroacoustic evaluations were carried out for trial hearing aids.

No. of cases seen for HAT and counselling	4805
No. of cases for whom IGM done	67
No. of hearing aids exchanged	169
No. of certificates issued	1
No. of MRF issued	43

Distribution of Free Hearing Aids :

Hearing aid issue has been taken up by the department of audiology since February, 1995. Four hundred and ninety one hearing aids have since been issued. Of these, 466 hearing aids were issued free-of-cost.

Hearing aids were distributed to the hearing impaired population in camps held.

No. of hearing aids prescribed	.....	2104
Free-of-cost		1628
For purchase		427
50% cost		49

Hearing Aids Repair :

Hearing aids of various types such as body level, behind-the-ear were repaired. Most commonly occurring problems was in respect of electro-mechanical parts i.e., OTM switches, LNH switch, battery contacts and electronic components i.e., microphone, receiver and cords.

1. Certificate issued reg. irreparable condition of hearing aids	185
2. Hearing aids repaired	959
a. Body level	943
b. B T E	16
3. Hearing aids certified and evaluated	2860

Earmold:

Custom earmolds were made for those who were prescribed hearing aids. Whenever indicated, different types of earmold modifications were incorporated.

Plastic and metal earmold rings were procured from Delhi and Denmark respectively. The approximate cost of the plastic ring was 50 paise and that of metal ring was Rs. 12/- (equivalent to Danish currency DKr. 2). With the technology developed through the research project titled "Better Molds for More People", the cost of the plastic ring is 50 paise and that of metal rings Rs. 2.50. This has saved the time and effort involved in procuring/importing earmold rings and also has reduced the cost to a significant extent.

Swimmers' plugs were made, for swimmers, using both indigenous and imported materials.

No. of cases seen	.....	2075
No. of cases for whom earmolds were issued		2752
No. of earmolds completed		4123
Free-of-cost	2518	
On payment	1059	
No. of shell earmolds made	150	
No. of special earmolds made	55	

Evaluation of Speech, Language and Voice Disorders :

The cases registered at the Institute are evaluated for various Speech and Language Disorders viz., Language disorders, Articulation disorders, Voice disorders and Rhythm disorders. There are specific proformae for these speech language disorders which are routinely used for assessment of these disorders. Speech and Language diagnostic tests (both foreign and indigenous) i.e., tests for articulation, tests for assessing fluency disorders and evaluating dysarthria, etc., are used for evaluating cases with various speech language disorders. After complete evaluation in all other departments, the cases/parents/guardians are counselled.

Six hundred eighty eight patients were seen having voice, articulation and fluency disorders. Therapy was given to 293 cases in this group. The statistics shows that major case load belonged to the age group of 5-15 years, having voice disorders.

Prostheses :

Cleft palate prosthesis, speech bulb prosthesis and obturator prosthesis were made and provided to cases requiring them. Models of cleft palate prosthesis and speech bulb prosthesis were prepared for demonstration purposes.

Therapy for Hearing, Speech, Language, Voice and Behaviour disorders :

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

On an average, 200 cases with various communication disorders were seen every month and an average of 1,160 sessions were provided for these cases lasting for 45-60 minutes duration. An average of 30 demonstration cases were seen every month. They were provided intensive demonstration and guidance sessions and handouts for home training in auditory training, articulation correction and speech language training.

Apart from routine guidance and parent counselling, sessions for group of parents regarding the handicap, etiology, prevention and management were held.

Pre-school and school aged hard of hearing children are being provided intensive group therapy sessions for 1½ to 2 hours duration every day. Three Kannada groups and one Malayalam group of 8 to 12 children each were started in addition to individual sessions.

Individual/group therapy like progressive muscular relaxation, S.D., Aversion therapy, Behaviour modification techniques, Bio feedback techniques are given to cases such as stuttering, mental retardation, voice problems, behavioural problems etc., in the Behaviour Therapy Unit.

Pre School program :

Follow-up through correspondence, school visits and home visits :

a. Correspondence :

Follow-up letters are being sent to the cases enrolled for therapy in the earlier years and also for the cases who are absent and irregular for therapy. The follow-up is mainly to enquire the present condition of the problem, recommendation for re evaluation and further guidance, if necessary.

b. School visits :

Periodical visits to schools and special schools are being done for follow up purposes. Discussions with the Heads of schools and with the teachers handling the handicap children are done for follow up of academic performances, co-curricular, extra-curricular activities, social behaviour of such children and the problem faced by the teachers. Guidance, suggestions are given on classroom management of such children.

In special schools, the teachers are given guidance on curriculum, methods of teaching, classroom management, aids and equipment, teaching aids, maintenance of records, periodical assessment of performances, criteria for integrating the children in normal sections, etc.

c. Home Visits :

Home visits and visits to the work place of the patients are done as and when it is recommended for follow-up, guidance and counselling.

No. of follow up letters sent	206
No. of cases reported	21
Letters returned due to change of address	7
No. of schools visited	8
No. of cases seen	82

Instrumentation :

The equipment were serviced under major and minor repair works. The component such as ICs, analog switches, power supply circuits were the problems attended to. Under minor repairs the transducers such as headphone, microphone and connecting cords were attended to.

Instruments such as audiometers, impedance audiometers were regularly calibrated as per schedule for relevant National and International Standards. The necessary instruments for the calibration of these instruments are available at the Institute.

Regular repair/maintenance work of the equipment carried out was :

i. Major repair	70
ii. Minor repair	58
iii. New instruments certified	55
iv. Instruments received from WHO have been installed in various Departments	6

Psychodiagnostic Evaluation :

Routine case history taking, psychological testing, diagnosis and counselling are being carried out in this unit.

Neuropsychological assessment with the purpose of localization and lateralization of brain lesions in the cases of communication disorders due to brain damage eg., aphasia, dysarthria, head injury are being carried out in this unit. In addition to this, the unit is also involved in neuropsychological rehabilitation activities.

Assessment of interests, aptitudes, vocational guidance and counselling for the mentally handicapped, hearing handicapped are being carried out in this unit.

Medical and Surgical Treatment :

Diagnostic and therapeutic procedures like suction clearance etc., were done as usual for the needy patients with speech and/or hearing problems using sophisticated equipment/instruments.

With the existing facilities for operations, allotment of 20 bed ward and establishment of ENT 'C' Unit at the local Government Hospital (Krishnarajendra Hospital) exclusively for this Institute, out patient services were rendered once a week and operation were conducted for organic lesions related to speech and hearing disorders twice a week at the KR Hospital by the ENT doctors of this Institute.

Extension services :

Four hundred and eleven infants were screened at the paediatric unit of K.R. Hospital and 62 of them were referred to AIISH for detailed evaluations.

Follow up letters were sent to 60 hearing aid users.

Field visits were carried out with FPAI in different urban and rural areas to bring about awareness on early identification of speech and hearing problems. Patients with ear-ache, ear discharge, hearing loss and speech problems have been identified and referred to the institute for further evaluation and rehabilitation.

Technical services were extended to other sister organizations and private hospitals, such as, Institute of Speech and Hearing, Bangalore; M.V. Shetty Memorial College, Mangalore; School for the Deaf, Calicut; ENT Centre, Bangalore. Ten audiometers and two impedance audiometers have been repaired and calibrated. The services were also extended to local general hospital (Krishnarajendra Hospital) in repairing of microscope, cold fountain, etc., which are used in the operation theater.

WHAT THE PATIENTS OR THEIR PARENTS/GUARDIANS HAVE SAID

1. Father of Kumari Sweety, aged 8 years, Case No. 77609 : " I am glad to inform that my daughter Sweety is very well now. Her speech and hearing problems, both improved very much. This is her third year of going to a normal school and now she is in standard II. Here result is also good".

(Letter Dated 30.5.1995 from Mr. M. Kispatta, Father of Sweety).

2. Father of Master Panikumar, aged 9 years, Case No. 76355 : "I am happy to inform you that my son Panikumar is now free from speech problem and has become a person capable of speaking normally.....".

(Letter Dated 29.5.1995 from Sri Gundanna, Father of Panikumar).

I. Diagnostics :

1. Total number of cases seen 21795
2. Total number of new cases 8869
3. Total number of re-evaluation cases 12926
4. Age and sex-wise distribution of cases :

Age Group (in years)	Male	Female	Total
0-5	966	693	1661
5-10	715	613	1228
11-20	973	669	1642
21-40	1479	922	2401
41-60	843	489	1332
61-80	480	175	655
81 +	48	12	60

II Therapeutic and Other Interventions :

1. Cases given Speech/Language/Hearing Therapies 920
2. Cases given Behaviour Therapy/Behaviour Modification 118
3. Cases given Group Therapy 35
4. Cases given Medico Surgical service 8370
5. Free Hearing Aids service 859
6. Cases Counselling 2292

III Benefits and Facilities to the Cases :

1. Certificate issued for Mentally Retarded 368
2. Issue of Audiological Certificate 279
3. Cases received Audiograms 1389
4. Certificates issued for School Admission, Tax Exemption,
Language Exemption etc. 40
5. Number of Cases who received Free Hearing Aids 2185
6. Issue of Prosthetic Aids for Cleft Palate 20
7. Number of Cases who received Earmolds
Free/Concession rate 2752

RESEARCH ACTIVITIES

1. An investigation into the application of available materials to make soft earmolds was undertaken in collaboration with CIPET, Mysore. Material which could be applied for making soft earplugs was finalized.
2. The project on Fabrication of the Mobile Van for extension services is under progress.
3. The research project on FM hearing system has been submitted for approval.
4. Two channel Vibro Tactile Unit has been designed and developed by students of an Engineering College under our guidance.
5. Speech Emphasis Indicator has been partially fabricated by students of an Engineering College under our guidance.
6. Listening Station project is in progress. The necessary circuit has been fabricated. Awaiting the furniture setup to fit the attenuator, headset, etc., in the Speech Science department.
7. Voicelight with Phonation Duration project is in progress. The printed circuit boards have been assembled and tested for its working conditions. The cabinet has to be fabricated. Expected to complete by 1st week of May, 1995.
8. Homeopathic and Ayurvedic Vs. Allopathic treatment in CSOM, SOM, post operative cases and for hoarseness of voice. Chemical cauterization for small central perforation (Silver Nitrate).
9. The report on the project on A Developmental Investigation of Onset, Progress and Stages of Literacy Acquisition - Its Implications for Instructional Process, funded by NCERT, New Delhi is being compiled.
10. Project on production of Language Training Materials in Major Indian Languages funded by UNICEF is in progress. The field testing in nine languages has been completed. The analysis is being carried out for finalization of materials.
11. A project on Developmental Milestones in Language Acquisition in Indian Languages : Kannada and Hindi sanctioned by the ICSSR, New Delhi is in progress. The data collection on Kannada speaking children is almost over and the same in Hindi has just begun.
12. Speech Oriented Learning Systems for the Handicapped (SOLSH) funded by the Department of Electronics. The project was completed. The final report was sent to the Department of Electronics.
13. Acoustic Analysis of Speech Sounds : One hundred and sixty Hindi sentences, and 36 English sentences were acoustically analyzed to extract 36 spectral and temporal parameters. Using the NCSS program, statistical analysis was done. Thirty three acoustic parameters of six samples were extracted using MDVP which are being compared with 13 parameters extracted from the program FO AO OF₃ and 14 parameters from the program JITSHIM.
14. A database for 3 males and 2 females and 5 children was prepared to be used with the text to speech system.
15. Acoustic Analysis of Voice : Various measurements of 150 disphonics were computerized. Seven dissertations on various aspects of voice were completed and five dissertations are in progress. The newly acquired multi dimensional voice profile is being field tested.
16. Developing Software for Diagnosis and Analysis of Speech : programs are being developed to identify different types of EGG patterns based on Neural Network and Pattern Recognition. The program is undergoing test for validity and reliability.
17. Glottal Behavior in Normals and Speech Handicapped : One hundred & fifty voice patients were evaluated using EGG. A doctoral thesis on the glottal behaviour of stutterers is in progress.
18. Speech Perception in Children Temporal Aspects : The project report along with the utilization certificate was sent to the Department of Science and Technology.

EQUIPMENT/SPARES PROCURED DURING THE YEAR :

Sl. No.	Name of the Equipment/Spares	Department	Cost
1.	Orbitor 922 Clinical Audiometer	Audiology	Rs. 3,25,000.00
2.	Elkon Diagnostic Audiometer EDA 3N3	"	27,800.00
3.	Chorus Infrared Listening System	"	42,770.00
4.	Aurometer A33	"	9,419.00
5.	Wek O Lamp with complete accessories	"	1,750.00
6.	Delta Stabilizers (3 Nos.)	"	14,691.00
7.	Novax REX 910PP body level Hearing Aid	"	1,800.00
8.	Novax REX ICCO 2 body level Hearing Aid	"	1,250.00
9.	Solar Charger, with rechargeable cells (2Nos.)	"	23,252.00
10.	TDH 50P Head Set (2 Nos.)	"	
11.	Spares for Fonix 8500 C	"	23,252.00
12.	Spares for ZO 174 immittance audiometer	"	17,343.00
13.	Spare headset for ZS 77 MB impedance audiometer	"	23,000.00
14.	80 MHZ Dual Beam Oscilloscope	Electronics	62,000.00
15.	Digital Multimeters	"	4,434.15
16.	AF and RF Generator	"	29,714.88
17.	Soldering and Desoldering Station	"	9,760.00
18.	BTE Tools and Spares	"	4,140.00
19.	Micro Scissors	Otorhinolaryngology	380.00
20.	Hartmann Crocodile Forceps		2,160.00
21.	Crocodile Serrated Forceps	"	2,280.00
22.	Boyd Tonsil Dissection Scissors	"	280.00
23.	Crocodile Serrated Jaw Forceps	"	2,100.00
24.	Standard Cold Light Fountain	"	DM 1,863.00
25.	Forceps Aural Serrated Fine	"	Rs. 540.00
26.	Forceps Aural Serrated Tips	"	540.00
27.	Forceps Crocodile Serrated Right	"	1,750.00
28.	Forceps Crocodile Serrated Straight	"	2,100.00
29.	Wilson Nibbling Forceps (up)	"	DM 144.08
30.	Wilson Nibbling Forceps (down)	"	DM 144.08
31.	Tabb Crura Nippers	"	DM 118.55
32.	Myringotoma adjustable	"	DM 26.54
33.	Collier Morris Curettes	"	DM 306.00

Sl. No.	Name of the Equipment/Spares	Department	Cost
34.	Cutting Burrs Gear Fitting	"	DM 61.18
35.	Diamond Paste Burrs	"	DM 405.68
36.	Hartmann Aural Forceps Fine Serrated/ Crocodile Action	"	Rs. 1,740.00
37.	Shea Aural Forceps Crocodile Action Oval Cup Jaw Straight	"	580.00
38.	Shea Aural Forceps Crocodile Action Oval Cup Curved to Right	"	580.00
39.	Mullers Nibbler Right	"	480.00
40.	Shea Aural Forceps Crocodile Action Oval Cup Curved to Left	"	580.00
41.	Micro Laryngeal Forceps Aound Cup Jaw Straight	"	440.00
42.	Micro Laryngeal Forceps Angled Cup Jaw	"	440.00
43.	Micro Laryngeal Forceps Serrated Jaw Straight	"	440.00
44.	Micro Laryngeal Scissors Straight	"	440.00
45.	SIU C Unit with accessories	Sp. Pathology	1,56,000.00
46.	SIU R Unit with accessories		
47.	VSS data I/o card		
48.	Cables		
49.	VAGMI software package		
50.	SSC software package	"	
51.	Printer Head for FX 105 printer	"	3,952.00
52.	Surge Suppressors	"	1,125.00
53.	Tape Deck (Project)	"	
54.	VSS Software	Sp. Science	89,506.00

MATERIAL DEVELOPMENT :

The following video and audio cassettes were prepared :

Video cassette on Pure Tone and Immittance Audiometry.

Audio cassettes in Kannada were recorded by trained AIR professionals on the following topics :

Prevention of Hearing Loss

Hearing Aid Care

Adjusting to Amplification

Guidelines for the Hearing Aid Users

Trouble Shooting of Hearing Aids.

The audio cassettes were released along with the video cassettes on **Better Molds for More People and Ear and Hearing** during the 29th Anniversary Celebrations of the Institute.

An audio cassette on **Public Awareness on Hearing Impairment** was also prepared.

The following test materials were adopted for use in diagnostics :

Test of Writing for Children in Hindi (TOWCH)

Test of Writing for Children in Kannada (TOWCK)

Malayalam Language Test (MLT)

Normalization of Scales of Early Communication Skills for the Hearing Impaired on Indian population, Slingerland Screening Tests for Identifying Children with Specific Language Disability.

The following pamphlets were prepared for counselling and public education :

Head Injury - A handout for family members (in English).

Aphasia - A handout for family members (in English).

Development of Home Training Packages for different speech handicaps.

Correspondence therapy lessons have been prepared for adult stutterers after obtaining detailed information on questionnaires. These lessons are being sent to them based on the analysis of questionnaire and subsequent progress reports. About 120 cases have been followed up in this manner.

Audio cassettes have been prepared on auditory training, articulation drill, speech stimulation techniques and nursery rhymes in Kannada and English languages.

Two video cassettes have been prepared titled "**Communication disorders**" and "**Hearing Impairment**" for student training and public education. Other charts, flash cards and booklets have been prepared for language training.

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 University, Tirupati.

Sub Committee in the area of Speech and Hearing, Rehabilitation Council of India, New Delhi.

Convenor :

Panel on Hearing Aid and Audiometers of BIS.

Member Secretary :

Executive Council, AIISH, Mysore.

Finance Sub Committee, AIISH, Mysore.

Academic Sub committee, AIISH, Mysore.

Member :

Rate Contract Committee, Ministry of Welfare, Govt. of India.

General Council and Executive Council, Rehabilitation Council of India, New Delhi.

National Council for the Handicapped, Ministry of Welfare, Government of India.

Acoustical Sectional Committee of the Bureau of Indian Standards.

International Association of Logopedics (IALP).

Service Member :

International Collegium of Rehabilitative Audiology.

Inspector :

Rehabilitation Council of India, New Delhi.

Attended meetings/Conferences/Seminars :

Meeting regrading purchase of ALIMO AIDS/APPLIANCES by NGOs under ADIP scheme, New Delhi.

Meeting of the committee to consider the extension of benefits to other categories of hearing handicapped at New Delhi.

Meeting held at National Council for the Handicapped, New Delhi.

Meeting of Rehabilitation Council of India (As a Chair person in the field of Speech and Hearing);

National Conference on Man Power Development of Rehabilitation Council of India, New Delhi.

Attended SAARC Workshop on Rehabilitation Techniques for the Disabled at Secunderabad and presented a paper on Man Power Resources in Speech and Hearing.

Attended National Seminar on the Role of Voluntary Agencies in implementing the CBR Approach, for Mentally Handicapped and Mentally Ill, Thirrmii, Hyderabad.

Served as a Resource Person at Administrative Training Institute, Mysore.

Prepared and presented a paper on EARMOLDS IN INDIA in the International Conference on Partnership in Training, at AYJNIHH, Bombay.

Continued duties of Vehicle In charge.

Member of Board of Examiners (Sp. & Hg.), University of Mysore 1994-95, and panel of examiners for theory and practicals, University of Mysore and Mangalore.

Examiner, External Viva Voce for B.Sc., and M.Sc.,

Attended meeting with HODs and Mr. B.V. Reddy, Representative regarding WHO equipment.

Attended meeting of Parliamentary Committee at CFTRI, Mysore.

Ms. Asha Yathiraj :

Reported to duty on 23.5.94 after completion of training on Aural Rehabilitation at Central Institute for the Deaf, Mo, USA.

Submitted doctoral thesis entitled : "**Contributory Factors in the Integration of the Hearing Impaired in Schools**" to the University of Mysore.

Attended Selection Committee Meeting at SJCE, Mysore.

Member, Panel of Examiners, University of Mysore and Mangalore.

Attended meeting of Parliamentary Committee at CFTRI, Mysore.

Attended meeting regrading FM Project with ITI staff.

Attended 27th ISHA Conference at Madras and co-chaired a session in Audiology.

Ms. Rajalakshmi K. :

Member, Panel of Examiners for theory and practicals, University of Mangalore, Kasturba Medical College, Manipal, and University of Mysore.

Translated and prepared a play in Kannada for All India Radio on Identification of Hearing Loss.

Checklists on Embriological Development and Auditory Behavioral Development were prepared.

Translation of independent project materials for students : Questionnaire for Hearing Aid Users (Kannada); questionnaire for Efficacy of the Audiovisual Material.

Video script of Niladri's Independent Project was made.

Modifications of final syllabus for B.Sc., (Sp. & Hg). and M.Sc., (Sp. & Hg) courses of Rehabilitation Council of India was done.

Mr. Animesh Barman :

Continued duties as Security In Charge.

Ms. Manjula P. :

Participated in the International Conference on Partnership in Training at AYJNIHH, Bombay.

Attended Symposium conducted by Dr.Daniel Ling at ISH, Bangalore.

Ms. Vanaja C.S. :

Reported to duty on 23.5.94 after completion of training on Electrophysiological Tests at Central Institute for the Deaf, MO., USA.

Attended a meeting at NAL, Bangalore regarding fabrication of mobile unit.

Attended Symposium conducted by Dr.Daniel Ling at ISH, Bangalore.

Attended a Seminar on awareness on clinical engineering at SKSJT College, Bangalore.

Attended 27th ISHA Conference at Madras.

Ms. Ramadevi K.J. :

Prepared abstracts of all the handouts, public education pamphlets and leaflets available in the department and mailed them to UNESCO, Thailand.

Modified six pamphlets in terms of format and cover page.

A script was prepared with the title : Public Awareness on Hearing Impairment and an Audio cassette was prepared with the same script.

Ms. Rohini H. :

Prepared abstracts of handouts, public education pamphlets and leaflets available in the department and sent them to UNESCO, Thailand.

Ms. Seena K. :

Attended 27th ISHA Conference at Madras.

Dr. Kalaiah P. :

Membership :

Life Member, IACP,

Fellow of Behavioral Medicine

Continued duties as Estate Officer.

Member of Selection Committee of Regional College of Education, Mysore, for the selection of Group 'C' and Group 'D' staff.

Panel of Examiner for University of Mysore, University of Mangalore, University of Bangalore.

Examiner for Manipal Academy of Higher Education.

Mr. Jayaram G. :

NSS Program Officer.

Represented the Karnataka State for the National Integration Camp held at Jamia Milia Islamia, New Delhi.

Attended a four days Camp on "University Talk AIDS" held at Mysore, organized by University of Mysore.

Mr. Kalyan Kumar :

Participated in a group discussion in the All India Radio, Mysore on the topic entitled Role of Youths in Rural Development.

Mr. Sathish H.S. :

Guided the students in their project **Two Channel Vibro Tactile Unit.**

Attended the workshop on Clinical Service Engineering conducted by SJCE, Bangalore.

Mr. Murthy S.S. :

Guided the students in their project **Speech Emphasis Indicator.**

Dr. Susheela M.V. :

Member :

Nominated E.C. Member. Attended Executive Council Meeting of AIISH.

Attended All India Otolaryngology Conference at Mysore.

Attended Free Medical Check Up (ENT) Camp organized by Sri Prasanna Vidya Ganapathi Mahothsava Charitable Trust.

Attended Conference on Association of Paediatric Otolaryngologists of India at Kolar.

Served as External Examiner for Final M.S., (ENT) at Tirupati.

Dr. Rathnasabhapathy K. :

Attended All India Otolaryngology Conference at Nagpur.

Dr. Sunil B. Bhoj :

Attended All India Otolaryngology Conference at Mysore.

Dr. Sunderaraju H. :

Attended All India Otolaryngology Conference at Mysore.

Dr. Prathibha Karanth :

Attended International Conference on Early Childhood Communication organized by CIIL and Indian Institute of Applied Language Sciences, Mysore.

Member :

Life Member, Indian Speech and Hearing Association.

Life Member, Linguistic Society of India.

Life Member, Dravidian Linguistics Association.

National Academy of Psychology, India.

Board of studies, University of Mysore, Mysore.

Selection Committee, Sri Padmavathi Mahila Visvavidyalayam, Tirupati.

Board of Studies in Education, Sri Padmavathi Mahila Visvavidyalayam, Tirupati.

Board of Studies, Mahatma Gandhi University, Kottayam.

Board of studies, (Sp. & Hg.), Bangalore University, Bangalore.

Rehabilitation Council of India, Sub Committee for Speech and Hearing.

Associate Member :

Laboratories Theophil alajounanine Centre de Recherche, Montreal, Canada.

Neurological Society of India.

Chairperson :

Local Inquiry Committee, Mangalore University, Mangalore.

Dr. Shyamala K.C. :

Attended International Conference on Early Childhood Communication organized by CIIL and Indian Institute of Applied Language sciences, Mysore.

Life Member - Indian Speech and Hearing Association.

Life Member - Acoustic Society of India.

Ms. Geetha Y. V. :

Attended a three-day workshop on Evolving Uniform Clinical Supervision Norms for Speech and Hearing Degree and Diploma Courses held at AYJNIHH, Bombay.

Life Member - Indian Speech and Hearing Association.

Ms. Indira Kumari K. :

Participated in the Symposium on Hearing Impairment by Daniel Ling at the Institute of Speech and Hearing, Bangalore.

Life Member - Indian Speech and Hearing Association.

Treasurer - Journal of Indian speech and Hearing Association.

Ms. Prema K.S. :

Attended National Conference on Hearing Disability organized by Alpha to Omega Learning at Madras.

Life Member - Indian Speech and Hearing Association.

Dr. Nataraja N.P. :

Inspected the Karnataka Handicapped Welfare Association, Bangalore (on the request of the Rehabilitation Council of India, New Delhi).

Attended a meeting as an expert in preparation of syllabus for B.Sc., (Sp. & Hg.) for the Karnataka University, Dharwar, held at Nijalingappa College, Bangalore.

Member :

Life Member - Indian Speech and Hearing Association.

Life Member - Acoustical Society of India.

Expert for B.Sc., (Sp. & Hg.), Karnataka University, Dharwar.

Attended meeting of Parliamentary Committee at CFTRI.

Dr. Savithri, S.R. :

Attended the Selection Committee Meeting for the selection of B.Sc., (Sp. & Hg.) candidates.

Attended the Selection Committee Meeting for the selection of M.Sc, (Sp. & Hg.) candidates.

Attended Board of Studies (Sp. & Hg.) Meeting of the University of Bangalore.

Attended the National Seminar on Coarticulation held in the Centre for Advanced Studies in Linguistics, Osmania University, Hyderabad.

Member :

Life Member - Indian Speech and Hearing Association.

Life Member - Acoustical Society of India.

Mr. Venkatesh, C.S. :

Attended ISHA Conference at Madras.

Life Member - Indian Speech and Hearing Association.

Life Member - Acoustical Society of India.

Ms. Sridevi, N. :

Life Member - Indian Speech and Hearing Association.

Ms. Sujatha V. Shastry :

Attended ISHA Conference at Madras.

Life Member - Indian Speech and Hearing Association.

Ms. Pushpavathi, M. :

Attended National Symposium on Acoustics at Kapakam.

Life Member - Indian Speech and Hearing Association.

Mr. Govindarajan, M.V. :

Participated in the Standing Committee Meeting of MCLC.

Participated and represented the institute in the General Body Meeting of the "Mysore City Library Consortium".

Life Member :

Indian Library Association (ILA), New Delhi

Medical Library Association of India (MLAI), New Delhi

Indian Speech & Hearing Association (ISHA), Mysore.

In addition, members of the staff belonging to A, B, C, and D Groups served as chairpersons or members of various Advisory Committees to assist the Director in matters concerning various activities of the Institute.

SCIENTIFIC PAPERS PRESENTED/PUBLISHED/SENT FOR PUBLICATION :

- Dr. (Miss) Nikam S. : **Man Power Resources in Speech and Hearing. Earmolds in India.**
- Mr. Animesh Burman : **Co-authored a paper - Frequency Resolution in Individuals with Conductive Pathologies - A study Using Psychophysical Tuning Curve.**
- Ms. Manjula P. : **Co-authored a paper - Earmolds in India.**
- Dr. Susheela M.V. : **Pitfalls in Mastoid Surgery. Management of Secretory Otitis Media with Non-allopathic Treatment.**
- Dr. Karanth P. : **Assessment of Disordered Language : The Clinician's Dilemmas in Lakshmi Bai and D. Vasantha, Editors; Language Development and Language Disorders : Perspectives from Indian Languages, Bhari Publications in Press.**
- Clinical Linguistics in E. Annamalai (Ed.) Dialogue in Future Linguistics in India, South Asian Language Review, New Delhi (forthcoming).**
- Grammaticality Judgement: A Universal Phenomenon ?** presented at the International Conference on Early Childhood Communication organised by CIIL and Indian Institute of Applied Language Sciences, Mysore.
- Karanth, P., Kuduva, A., and Aparna, V. : **Literacy and Language Processes Orthographic and Structural Effects in Speech and Reading Ed. Beatrice de Blaser and Jose Morais Lawrence Earlbaum, London, in Press.**
- Herlekar G. and Karanth P. : **The 3D LAT : Evaluation of Language within a Pragmatic Frame Work. In Lakshmi Bai and D. Vasantha, Editors; Language Development and Language Disorders : Perspectives from Indian Languages, Bhari Publications in Press.**
- Usha K.R., and Karanth P. : **The 3D Language Acquisition Test and Hard of Hearing in Lakshmi Bai and D. Vasantha, Editors; Language Development and Language Disorders : Perspectives from Indian Languages, Bhari Publications in Press.**
- Uma S., & Karanth, P. : **Aspects of Syntax Acquisition in the Hard of Hearing in Lakshmi Bai and D. Vasantha, Editors; Language Development and Language Disorders : Perspectives from Indian Languages, Bhari Publications in Press.**

- Rangamani G.N. and Karanth P. : **Agrammatism in Inflected Language : A case study in Kannada** in Lakshmi Bai and D. Vasantha, Editors; **Language Development and Language Disorders : Perspectives from Indian Languages**, Bhari Publications in Press.
- Jyothi Balgi and Karanth P. : **The Time Factor in Aphasic Evaluation**, Journal of AIISH, 24, in press.
- Basanti Devi : **Films as Image Makers of Women with Special Reference to three Assamese Films : Media Responses to Feminist Concerns** - Published in the Monograph of Centre of Women's Studies, University of Mysore.
- Prema K.S. : **Role of Speech Language Pathologist in Rehabilitation of Specific Reading Disability**, JAIISH, 25.
- Language Development Program for the Hearing Impaired - An Attempt**, ISHA, Monograph.
- Language Development Program for the Hearing Impaired - The role of grammar**, JAIISH 24, in press.
- Role of Speech Language Pathologists in the Rehabilitation of specific Reading Disability**, presented at the National Conference on Hearing Disability, organized by Alpha to Omega Learning Centre at Madras.
- Geetha Y.V. : **Clinical Practicum Requirement for B.Sc., Students in Speech pathology and Audiology**, presented at the Workshop to evolve Uniform Clinical Norms for B.Sc., (Speech and Hearing), AYJNIHH, Bombay.

LIBRARY AND INFORMATION CENTRE

The AIISH Library and Information Centre is a 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.

The Centre provided various services, such as :

1. Literature search facility on topics of interest to the users.
2. Specialised subject bibliographies on specified topics to the researchers.
3. Inter Library Loan facilities & resources sharing
4. Reprographic Services
5. Current Awareness Services
6. Storing and issuing Audio Visual materials.

As a member of the Mysore City Libraries Consortium, the Centre has been 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 similar benefit from the other member libraries of the Consortium.

With the use of computers, the center could render better and more service to the clientele.

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

Annual Statistics :

1. Total No. of volumes	:	10493
2. No. of volumes added during the year	:	295
3. No. of journals subscribed to	:	44
4. No. of video/audio cassettes	:	25
5. No. of books/journals issued/consulted	:	74981
6. No. of films	:	84

ACCOUNTS
SUMMARY OF PROVISIONS PROPOSED
REVISED ESTIMATES 1994-95 AND BUDGET ESTIMATES 1995-96
NON PLAN

		(Rs. in lakhs)	
Sl. No.	Standard Object of Expenditure	RE 1994-95	BE 1995-96
1.	Salaries		
	i. Sanctioned Posts		
	a. Filled up posts	70.16	77.91
	b. Vacant posts	8.46	16.98
	c. Bonus (Adhoc)	1.10	1.15
	ii. Fresh posts		
2.	Allowances other than travel	1.75	2.18
3.	Travel expenses	2.00	2.50
4.	Contributions to funds	6.00	6.60
5.	Wages (Security Staff)	1.81	2.70
6.	Advances to staff	14.50	20.50
7.	Payments to professional services	1.10	1.25
8.	Scholarship	2.04	2.04
9.	Fellowship	1.30	1.44
10.	Publications & Printing of Brochures	5.00	8.00
11.	Other charges	19.10	23.65
12.	Furniture	5.00	8.00
13.	Fixtures	1.83	4.00
14.	Equipment	14.50	18.00
15.	Minor works	3.05	6.60
	Gross Total	158.70	203.50
	Less Receipts	7.40	8.50
		151.30	195.00
	Round off	151.00	195.00

**SUMMARY OF PROVISIONS PROPOSED
REVISED ESTIMATES 1994-95 AND BUDGET ESTIMATES 1995-96
PLAN**

(Rs. in lakhs)

Sl. No.	Standard Object of Expenditure	RE 1994-95	BE 1995-96
1.	Salaries		
	i. Sanctioned Posts		
	a. Filled up posts	2.54	2.92
	b. Vacant posts	1.02	2.04
	ii. Fresh posts	4.76	13.59
2.	Allowances other than travel	0.20	0.25
3.	Payments to professional services	0.10	0.15
4.	Library books, journals/publications	6.50	7.50
5.	Furniture	4.80	3.12
6.	Equipment	56.18	62.65
7.	Fans for the hostels	1.00	
8.	Capital works	45.21	92.75
		122.31	184.97
	Round off	122.00	185.00
Grants received for the previous year (Plan : Non Plan) 1992-93		69.00	70.00
Grants received for the year 1993-94 (Plan : Non Plan)		88.25	55.00
Percentage of Increase		27.91%	

OFFICIAL LANGUAGE IMPLEMENTATION UNIT

The Institute has been making all out efforts for the implementation of the official language. A committee has been formed to specifically monitor the activities of the various departments/sections related to implementing official language. Each year fresh ground is broken in the use of the official language in the Institute.

Work regarding implementation of official language, like translation of circulars, OMs, public education pamphlets, proformae, annual reports and audited statements of accounts etc., were done by the Official Language Implementation Unit consisting of one Hindi Translator and one Hindi cum English Typist. The quarterly meetings of OLIC and the monthly meetings of the Promoters Committee on Official Language were held and the reports were sent to the concerned.

One staff member successfully completed Hindi Praveen Examination in November 1994 and another was enrolled for Hindi Praveen examination of June 1995, through correspondence course. One stenographer and one Lower Division Clerk passed Hindi Typewriting Examination securing 94% and 97% marks respectively and received incentives as per Hindi Teaching Scheme Rules. In addition, the Office Superintendent was awarded cash prize of Rs. 200/- for doing original noting and drafting in Hindi.

Audio cassettes and public education pamphlets in Hindi were prepared for the benefit of Hindi speaking patients. Letters in Hindi were replied in Hindi only. Hindi speaking patients were given therapy/counselling etc., in Hindi: Diagnostics 263 cases, therapy 90 cases and patients seen in Speech Science department 23 cases.

The new areas covered under the implementation program during the year under report includes translation of Performance Budget, Report and Editorial of AIISH Journal, Invitation Cards for the Institute Anniversary, Greeting cards etc. were sent in three languages including Hindi.

Hindi software was procured and put to good use. All the general office memos and circulars etc., were made bilingual. Hindi Books Library was kept open for staff and students. Hindi magazines 'Aajkal' and 'Bhasha' were subscribed.

'Hindi Day' was celebrated on 14th September 1994 and 'Across the Table' Hindi workshop was conducted on 29th November, 1994.

On inspection, the Deputy Director, Regional O.L.I. Office, Bangalore, gave a good report which brought this Institute under Rule 10(4) of OL Rules, 1976.

CIVIL ENGINEERING SECTION

The Institute has a full-fledged Engineering Section consisting of one Assistant Executive Engineer, one Assistant Engineer one Junior Engineer and one Care-taker.

I. Works under taken during the year are as follows :

Sl. No.	Description of the work	Estimated cost (Rs. in lakhs)	Remarks
1.	Extension to Ladies Hostel	21.50	Under progress
2.	Extension to Men's Hostel	4.50	"
3.	II Phase of ENT Block	17.00	"
4.	Extension to 'C' Type staff quarters	2.00	Work Completed
5.	Guest House	28.00	Under progress
6.	Multipurpose Sports Hall	35.00	Funds expected
7.	'C' type staff quarters	3.50	Under progress
8.	Formation of road from the ENT Block to 'E' Type staff quarters	0.50	Work completed

In addition to the above, rechip carpeting of an area of 1300 sq. meters, construction of box culvert, providing storm water drain, additions/alterations to the computer room and maintenance of various buildings in the campus of the Institute were also taken up at a total cost of Rs. 6.26 lakhs.

II. Guest House and Dharmashala:

	Revenue collected (in Rupees)
a. Guest House	19,985.00
b. Dharmashala	9,530.00

PERSONNEL CELL

During the VIII Plan, to provide promotional avenues, posts of UDC, Clinical Supervisor, Clinical Assistant, Junior Technical Officer and Asst. Administrative Officer were created and one post of Senior Stenographer was upgraded.

The latest details of the sanctioned posts and staff position as on 31.3.1995 is as given in the table below :

Group	Sanctioned posts	Staff working	Vacant posts	Position in staff working	
				SC	ST
Group A	34	20	14	4	1
Group B	17	12	5	2	
Group C	76	69	7	8	2
Group D	54	54		19	1
Total	181	155	26	33	4

Promotions :

The following officials were promoted :

1. Sri R. Kannan, LDC to UDC
2. Sri R. Mohamed Kaleemulla, LDC to UDC
3. Smt. V. Shubha, Jr. Steno to Sr. Steno.

The Executive Council during its XXXXII meeting, approved promoting some of the Group D staff from the pay scale of Rs. 750-940 to Rs. 775-1025. This would benefit about 9 of the Group D staff.

The posts of Group A category could not be filled as the re-constitution of the Selection Committee and the DPC for Group A was awaited.

The reserved posts of Group B Category could not be filled up due to non-availability of candidates.

Appointments :

The following officials were appointed against the Reserved posts (SC/ST)

1. Sri Rajendra Swamy, Clinical Supervisor wef 16.9.94
2. Sri B. Gopala, LDC wef 23.9.94

Resignations :

1. Dr. P. Vidyasagar, Lecturer in Clinical Psychology
2. Ms. Roopa Nagarajan, Lecturer in Audiology

Retirement :

The following officers retired on superannuation during the year under report.

1. Mr. T. Keshavamurthy, Sr. Stenographer
2. Dr. A.D. Bhavani, Lecturer in Clinical Psychology.

Disciplinary Action

Sri Ramesh Babu, Library Assistant's services were terminated wef. 7.12.1994 on account of his continuous unauthorized absence from duty.