

ANNUAL REPORT

1990 - 1991



YEARS OF LEADERSHIP
1965-1990

SILVER JUBILEE YEAR

ALL INDIA INSTITUTE OF SPEECH AND HEARING
MYSORE - 570 006



1. Introduction	1
2. Governing Authorities of the Institute	8
3. Training	13
4. Departments/Units/Sections:	
i) Audiology	16
ii) Speech Pathology	20
iii) Speech Science	23
iv) Otorhinolaryngology	29
v) Electronics	40
vi) Publicity & Information	42
vii) Library & Information	43
ix) Medical Records	45
x) Civil Engineering	48
xi) Horticulture	50
xii) Departmental Canteen	51
xiii) Others:	
a) Official Language Implementation Committee	52
b) Guest House	51
c) National Service Scheme (NSS)	53
5. Research Activities:	
a) Ph.D., programme	54
b) Dissertation	56
c) Independent projects	58
d) Papers published	62
e) Papers presented in Conferences/Workshops	64
f) Workshops/Seminar/Symposiums/Conferences attended	66

6. On going Research Activities	71
7. Accounts	77
8. Personnel Cell	
i) Sanctioned posts & Staff position	79
ii) Advisory Committees	80
iii) Personnel	85
iv) Appointments, Retirements, Resignations, Promotion etc	98

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, 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 i.e., Speech and Hearing. 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 orientation programmes for school teachers, short term courses to Otolaryngologists and training in preparation of custom made earmolds.

The Institute has been recognised by Government of India as an advanced centre for training and clinical services in Speech and Hearing.

The following are the main departments concerned with the above.

1. Audiology
2. Speech Pathology
3. Speech Sciences
4. Clinical Psychology
5. Otolaryngology

The supportive services are provided by the Department of Electronics, Library and Information Centre and Publicity and Information Unit.

The Office Administration is looked after by the Administrative Officer under the control of the Director.

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.

In addition, specialists like neurologists, paediatrician, plastic surgeon visit the Institute twice a week, to attend to the patients and to take classes for the B.Sc., and M.Sc., students.

There are no inpatient facilities available at the Institute. The cases requiring hospitalisation, surgery etc., are treated at K.R.Hospital attached to Mysore Medical College.

The daily average attendance has risen from a humble 7 in 1966 to the present 92. The departments are actively engaged in independent research projects in addition to collaborative research projects. They also undertake hosting workshops and seminars and public education programmes in Speech & Hearing. A professional journal entitled Journal of AIISH is being published every year.

In order to serve the needs of those who are unable to stay at Mysore for the treatment, correspondence therapy programmes for certain disorders have been initiated.

The Social Welfare Ministry provides the fund for procuring the Hearing Aids for free distribution for poor people and at half the cost for those whose income is more than Rs.1,200/- per month but less than Rs.2,500/- per month.

The admissions to B.Sc., as well as M.Sc., courses are done on Zonal basis (South, East, West and North) admitting 33 students for B.Sc., (24 from general pool and 6 for SC/ST and 3 foreign students) and 23 students for M.Sc., (16 from general pool, 4 SC/ST and 3 in service candidates). We have hostels for men and women students, with boarding and lodging facilities. Each student is paid stipend every month. Students' Association with a staff member as Chairman, looks after the extra curricular activities.

Extension/Guest Lectures by eminent people in the field of Speech and Hearing are arranged for the benefit of students and staff. Once a week clinical seminars are conducted at the Institute in which staff and students participate. A staff club looks after the extra curricular activities of the AIISH Staff members.

Some staff quarters of different types for various groups of employees have been provided.

An imaginative long range perspective plan has been submitted to the government.

AIMS AND OBJECTIVES

The Ministry of Health and Family Welfare, Government of India, established this Institute in the year 1965 as a department of Government of India to shoulder the responsibility of imparting professional training, rendering clinical services to the public with Speech and Hearing disorders and also conducting research in the field. Later the Institute was converted into an autonomous body and registered under the Societies Registration Act XXI of 1860 (Punjab Amendment) Act 1957 as extended to the Union Territory of Delhi and since then functioning under the aegis of the Union Ministry of Health and Family Welfare. The University of Mysore accorded affiliation for teaching programme leading to the award of B.Sc., and M.Sc., and Ph.D., in Speech and Hearing.

There are about 45 million people afflicted with Speech and Hearing problems in India. Tackling this problem is a gigantic effort which needs support and help from all quarters.

The Institute being only one of its kind in South East Asia, has to play a role in the new field of Speech and Hearing, by adopting new matters through research done at the Institute by Specialists. It has to bring more number of qualified specialists viz., Speech Pathologists, Audiologists into the field by training.

OBJECTIVES

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

Training:

- (a) To provide and assist in providing professional and technical education and training in Speech and Hearing for graduate, post-graduate and doctorate courses;
- (b) To provide and assist in providing professional and technical education and training to various categories of personnel eg., medical para-medical., etc.,
- (c) To undertake, organise 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 organisations of India and of foreign countries to deliver lectures on subjects in which the Society is entrusted ;
- (f) To cooperate with international agencies engaged in speech and hearing research and training and arrange for interchange of personnel, material and data;
- (g) To initiate, offer and grant prizes, awards and scholarships, research grants and stipends in furtherance of the objectives of the Society;

Research:

(a) To provide and assist in providing facilities and encouragement to research in Speech and Hearing and associated disorders.

Clinical Services:

(a) To provide and assist in providing clinical and surgical services for those with Speech and Hearing handicaps.

(b) To assist in the development of Speech and Hearing clinics in hospitals and other centres.

Public Education:

(a) To educate the public about communicative disorders;

(b) To stimulate interest in Speech and Hearing through publicity and mass communication and cooperate with other agencies and institutions or professional associations.

Administrative and Financial:

(a) To create administrative, technical, ministerial and other posts under the Society and to make appointments there to 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 wages, gratuities, provident fund and other allowances of 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 etiehr 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 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 objects 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, establishment and registration of the Society;
- (k) To do all such other lawful acts, deeds, things, either alone or in conjunction with other organisation or persons as the society may consider necessary, incidental or conducive to the attainment of the above mentioned subjects 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.

1990-91 THE YEAR IN BRIEF:

The year 1990-91 has been a very important milestone in the history of the Institute. That during this year our Institute completed 25 years; our Silver Jubilee Year - a year of greater achievements. On the approval of the Union Ministry of Health & Family Welfare quite a number of programmes were drawn up and different committees were formed for the effective results. To begin with on 9th August 1990 the inaugural function was held. The then Governor of Karnataka, Sri Bhanu Pratap Singh inaugurated the function. Mrs Bhanu Pratap Singh distributed mementos to all the surviving former directors of the Institute. The members of staff who had served the Institute for 25 years were also honoured.

The other accomplished programmes were as given below:

August 6 - 10, 1990:

An UNICEF funded project on "Production of Material for Language Training in Major Indian Languages" was conducted. Prof R Narasimhan, Senior Professor at the Tata Institute of Fundamental Research, Bombay inaugurated the programme. Twenty five delegates from different parts of the country participated.

September 4, 1990:

A pilot project on school screening programme was inaugurated by His Holiness Sri Sri Shivarathri Deshikendra Swamiji of Mysore's Suttur Mutt. The Deputy Director of Public Instructions and District Health Officer of Mysore were the Chief Guests.

October 19, 1990:

The students and the staff of the Institute celebrated Diwali festival with the inmates of the Bharathi Vrudda Seva Ashram (Oldage Home) involving the inmates of the Home in the Institute activities and benefitting from their expertise and experience being a part of the Silver Jubilee programmes of the Institute.

November 5, 1990:

A get-t-gether of cases and their parents/guardians was held.

December 15, 1990:

National Exhibition of Arts and Handicrafts of the Handicapped was held. Sri B Monappa, Asst. Director of Handicrafts was the Chief Guest. Mrs Sheila Irani, a Former MLA and a well known social worker inaugurated the exhibition.

January 29-31, 1991:

A three day workshop was held on Clinical Application of Personal Computers in Communication Disorders.

February 4 -5, 1991:

A two day workshop on the "Use of Alternate and Augmentative Communication" was held. Dr Raja Ramanna, Director of the National Institute of Advanced Studies inaugurated the workshop. The workshop was organised by the Institute's Department of Speech Pathology in collaboration with the Spastic Society of Eastern India, Calcutta. Ms Sudha Kaul of the Society delivered the key address.

March 16, 1991:

The World Day of the Disabled was held by organising various sports events for handicapped children. About 120 communicatively handicapped children in the age group of 3 to 12 years participated in the 14 events of the programme Round Table No.21 sponsored this programme. Its Chairman Tr N V Prasad distributed prizes.

March 18, 1991:

A week long training programme on "Hearing Aid Repairs for Rural Technicians" was inaugurated. Rtn.R N Pratap, Secretary Rotary Club of Mysore West inaugurated the programme.

Dr (Mrs) T A Vimala, President, Inner Wheel Club, Mysore also spoke. This training programme was sponsored by the Inner Wheel Club of Mysore North.

The afore mentioned projects were possible with the financial contributions received from the following organisations to the Silver Jubilee Fund.

Sl. No.	Name of the organisation	Amount Rs.
1.	Mysore Urban Development Authority, Mysore	10,000
2.	M/s S.R.Constructions, Mysore	10,000
3.	Inner Wheel Club of Mysore North, Mysore	5,001
4.	State Bank of Mysore, Manasagangothri Branch, Mysore	5,000
5.	Canara Bank, Mysore Division, Mysore	5,000
6.	Bank of Baroda, Mysore Branch, Mysore	3,000
7.	M/s Ideal Jawa Factory Educational Society, Mysore	2,000
8.	M/s Karnataka Engineers & Contractors, Mysore	1,000
9.	M/s Modern Wood Exports Pvt. Ltd., Bangalore	1,000
10.	M/s Challa Electric Corpn. Mysore	500
11.	M/s Maakala, Mysore	500

AUTHORITIES OF THE INSTITUTE

EXECUTIVE COUNCIL

1. Sri Neelamani Routre/
Sri Rasheed Masood
Prof. Shakeel-ur-Rahman .. Chairman
Hon'ble Union Minister of State
for Health & Family Welfare
Government of India
Nirman Bhavan
NEW DELHI - 110 011
2. Smt. Manorama Madwaraj/
Smt. K.S.Nagarathnamma .. Vice-Chairpers
Hon'ble Minister for Health &
Family Welfare
Government of Karnataka
Vidhana Soudha
BANGALORE - 560 001
3. Dr. (Mrs.) P.Selvi Das .. Member
Vice Chancellor
University of Mysore
Mysore - 570 005
4. Sri R.Srinivasan, IAS/ .. Member
Sri R.L.Misra IAS
Secretary to the Government of India
Ministry of Health & Family Welfare
Nirman Bhavan
NEW DELHI - 110 011
5. Sri N.S.Bakshi/ .. Member
Sri M.P.Gupta
Joint Secretary (FA)
Ministry of Health & Family Welfare
Nirman Bhavan
NEW DELHI - 110 011
6. Dr. G.K.Viswakarma .. Member
Director General of Health Services
Government of India
Nirman Bhavan
NEW DELHI - 110 011
7. Sri S.N.Menon .. Member
Sri R.S.Pandey
Joint Secretary to Govt. of India
Ministry of Welfare
Shastri Bhavan
NEW DELHI - 110 001

8. Sri B N Betkerur .. Member
Secretary to Govt. of Karnataka
Department of Health & Family Welfare
Multi-storeyed Building
Dr Ambedkar Veedi
Bangalore 560 001
9. Dr N Rajeeva Shetty .. Member
Director of Medical Education
Government of Karnataka
Ananda Rao Circle
Bangalore 560 009
10. Mrs Rekha Roy .. Member
Director
Ali Yavar Jung National
Institute for the Hearing Handicapped
Bandra Reclamation
Bandra (West)
Bombay 400 050
11. Dr S K Viswakarma .. Member
Professor & Head
Department of ENT
Guru Tej Bahadur Hospital
Shahdara
Delhi 110 032
12. Vacant
13. Dr M V Susheela .. Member
Professor & Head
Department of ENT
All India Institute of Speech & Hearing
Mysore 570 006
14. Dr (Miss) S Nikam .. Member-Secretary
Director i/c
All India Institute of Speech & Hearing
Mysore 570 006

FINANCE SUB COMMITTEE :

1. Sri Madhu Sudan Dayal .. Chairman
Additional Secretary to Govt. of India
Ministry of Health & Family Welfare
Nirman Bhavan
New Delhi 110 011
2. Sri M P Guptha .. Member
Joint Secretary (FA)
Government of India
Ministry of Health & Family Welfare
Nirman Bhavan
New Delhi 110 011

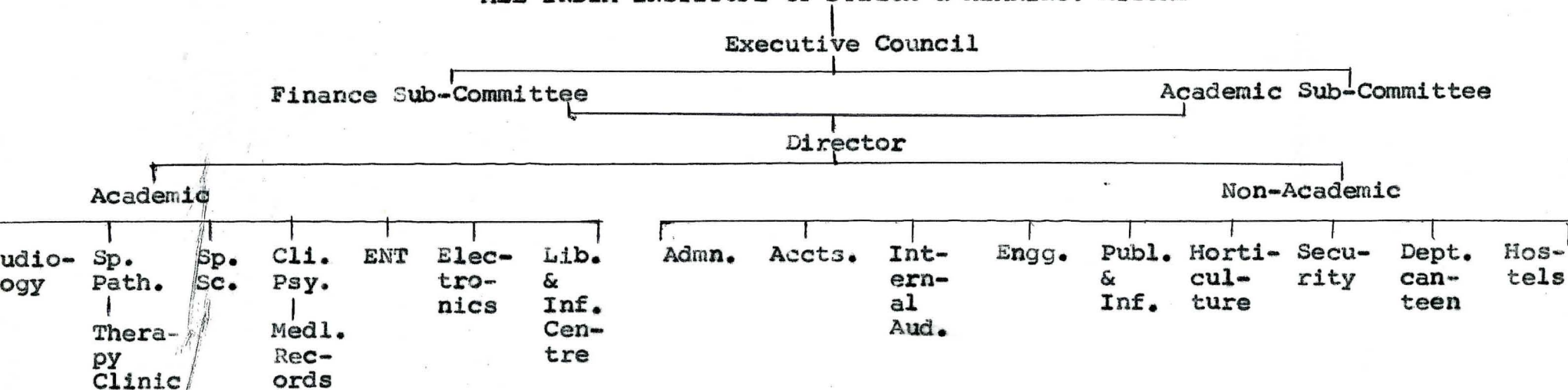
3. Sri G K Vignekarman .. Member
Director General of Health Services
Government of India
Nirman Bhavan
New Delhi 110 011
4. Sri B N Betkerur .. Member
Secretary to Govt. of Karnataka
Department of Health & Family Welfare
Government of Karnataka
Vidhana Soudha
Bangalore 560 001
5. Dr H M Channabasavanna .. Member
Director
National Institute for Mental Health &
Neuro Sciences
Bangalore 560 029
6. Dr (Miss) S. Nikam .. Member Secretary
Director i/c
All India Institute of Speech & Hearing
Mysore 570 006

ACADEMIC SUB COMMITTEE:

1. The Director of Medical Education .. Chairman
Government of Karnataka
Bangalore 560 009
2. The Deputy Director General .. Member
of Health Services (Medical)
Government of India
New Delhi 110 011
3. Dr S R Chandrashekar .. Member
Director
Institute of Speech & Hearing
Bangalore
4. Dr R M Verma .. Member
Professor Emeritus
NIMHANS
Bangalore 560 029
5. Director .. Member
Central Institute of Indian Languages
Mysore 570 006
6. Principal .. Member
Government Medical College
Mysore
7. Heads of Departments of: Audiogy .. Members
Speech Pathology, Speech Sciences
ENT, Clinical Psychoogy, Electronics
AIISH, Mysore-6

8. Representative of University of Mysore : Member
Mysore 570 005
9. Director : Member-Secretary
AIISH, Mysore

ALL INDIA INSTITUTE OF SPEECH & HEARING: MYSORE



TRAINING PROGRAMME:

The main objectives of the Institute is to impart professional training and research facilities in the field of Speech and Hearing. It is affiliated to the University of Mysore for its training programme for awarding degrees.

The training programme consists of 3 years bachelor's degree and 2 years Master's degree in Speech and Hearing.

The subjects for study included are Speech Pathology, Speech Sciences, Audiology, Clinical Psychology, ENT and Electronics.

On approval of the Merit list by the Selection Committees constituted for the purpose, total number of students admitted to I B.Sc., and I M.Sc., (Speech & Hearing) courses during the year 1990-91 were as follows:

		<u>B.Sc.,</u>	<u>M.Sc.,</u>
During the year	..	30	23
Cumulative	..	407	249
Total	.. ..	<u>437</u>	<u>272</u>

Number of students undergoing training:

Class	Gen. Category		SC/ST		Foreign		Nationality	Total
	M	F	M	F	M	F		
I B.Sc.,	6	20	1	2	-	1*	Malaysia	30
II B.Sc.,	4	21	2	1	-	2*	Kuwait	30
III B.Sc.,	5	12	2	1	1	2*	Nepal Kuwait Kabul	23
I M.Sc.,	4	15	1	3	-	-		23
II M.Sc.,	12	6	4	-	-	-	-	22

*Non-stipendary

Number of students who were awarded degrees in B.Sc., and M.Sc., in Speech and Hearing during the year 1990-91:

		<u>I Class</u>	<u>II Class</u>
B.Sc.,	..	15	5
M.Sc.,	..	10	2

In case of one II B.Sc., student the shortage of attendance was condoned by the University on medical grounds to enable the candidate to take up the examination.

Doctoral programme:

Total No. of Ph.D., degrees awarded till date	..	10
Registrations made during 1990-91	..	111
Registered and working	..	9

Short-term training:

Special training was given to two doctors from Bellary Medical College from 1.1.91 to 15.1.91.

Orientation courses were provided to the following allied professionals.

Seven students from the Department of ENT, Medical College, Mysore on 11.10.1990.

Five officers under training from the Institute of Aerospace Medicine, IAF, Virgaupura, Bangalore on 2.12.90.

B.Ed., students from Sri Padmasudhi Mahila Vidyalayam Tirupati from 11.12.90 to 14.12.90.

Two post-graduate students from Bellary Medical College on 9.1.1991.

Guest lectures:

Dr John Bisazza, Prof. of Neurolinguistics, University of Japan visited the Institute and delivered a lecture.

Dr Macalyne Fristoe, Professor, Department of Audiology and Speech Science, Purdue University (USA) visited the Institute on 11th January 1991 and gave a lecture on "Alternative and Augmentative Communication".

Dr T V Ananthapadmanabha, a Speech Scientist delivered lecture on Speech Analysis technique at the workshop on Computer Application in Speech and Hearing conducted from 29th to 31st January 1991.

Prof. Ladefoged, University of California, Los Angeles, USA delivered a lecture on Articulatory possibilities in Human beings on 16th August 1990.

Meetings:

Selection Committee meeting for admission to P.Sc., ..	6.7.1990.
Selection Committee Meeting for admission to M.Sc., ..	14.8.1990..
Meeting of the Board of Studies for 1991-92 ..	15.2.1991
Meeting of the Board of Examination for B.Sc., examinations, April 1991 ..	.. 8.4.1991

DEPARTMENTS

AUDIOLOGY:

Training:

It is one of the major Departments of the Institute since the inception. The activities of the Department related to human communication and its disorders. The main functions of the Department are teaching, training for graduates and post-graduates, professionals and orientation programmes for allied professionals. The Department staff are also involved in research and public education activities.

Twenty three independent projects and one dissertation were completed. The independent projects are being done under the guidance of the staff of the Department.

Apart from the regular training (earmold making) programme, informal training was given to the following candidates, in preparation of custom earmolds:

(1). S Mallaiah; (2) M Nagaraju - Project Staff; (3) M Basavaraju - Project staff; (4) S Shivanna - Project staff (5) Geetha D Rao - Project staff.

Clinical Activities:

Diagnostics:

The clinical activities of the Department include hearing evaluations, hearing aid trial, preparation of custom earmolds, speech therapy and counselling.

Hearing Evaluation:

Patients seen in the Department were in the following categories:

- 1) Those coming for initial and periodic hearing evaluation/ re-evaluation.
- 2) Those who are seen for pre and post-medical/surgical evaluation
- 3) Those with predominantly a speech disorder, mental retardation, tinnitus or vertigo for whom hearing evaluation is also done as a routine.
- 4) Those who need physically handicapped, certificates for pension, tax exemption/housing scheme/admission to deaf school/language exemption/education scholarship/employment.

A comprehensive hearing evaluation was done for all cases using the following instruments. These instruments were also employed for research purpose.

1. Diagnostic audiometers (GS-10 audiometer; GS-16 audiometer, Maico audiometer, Clinical audiometer - Madsen OB 822.
2. Immittance audiometer (Madsen ZC 174; Madsen ZS 77 MB)
3. ERA (Teledyne avionics - TA 1000; Nicolet compact auditory system)

Hearing aid trial:

Hearing aid evaluation and recommendation of suitable hearing aids is one of the main rehabilitative activities of the Department. Hearing aid trial is carried out using various indigenously available models. Hearing aid manufacturers (Arphi, Alps, Elkon, Priya, Jem, Hearwell, Novax, Philips) periodically replaced the hearing aids supplied by them for trial purpose. Hearing aid selection was also done using insertion gain measurement (Madsen IGO 1000).

In addition to diagnostic and rehabilitative activities, those sections were also engaged in:

- a) periodic checking, calibration and maintenance of instruments
- b) recommendation of hearing aids, assistive listening devices and ear protective devices
- c) Issue of certificate to get the driving licence and
- d) Issue of medical reimbursement forms.

Electro-acoustic measurements of hearing aids used for trial purpose as well as those used by patients were made (using Madsen HAT - 1000 and Fonix 6500).

Measurements of electroacoustic characteristics:

The measurement of electroacoustic characteristics of hearing aids is a routine and important activity. Electroacoustic measurements were made (using Madsen HAT-1000) periodically for all hearing aids which are available for trial purpose. This enables the professionals to ascertain if the hearing aids continue to meet performance requirements specified in the Indian Standards. In addition, data has been collected on the effect of variation of volume control, tone control, and battery voltage on the electroacoustic characteristics of the hearing aid.

Preparation of custom earmolds:

Custom earmolds were made for all cases who were to acquire hearing aids on payment or on fully/partially subsidised basis. Different types of molds, such as full molds, skeleton molds and shell molds were made wherever indicated. Swimmers molds were made for a few individuals. Plaster casts were made for patients who wishes to get ITE hearing aids and for patients who wanted molds from abroad. Vented molds were made for a few patients.

Therapeutics:

Guidance was given to parent/patients attending speech therapy at the Institute and to those who train their children at home.

Counselling:

All patients who have been prescribed hearing aids are counselled regarding the use, care and maintenance of hearing aids and earmolds. Handouts which are available in the Department in various language supplement the counseling sessions.

The time taken in counselling the hearing impaired adults and providing guidance to the patients has paid rich dividends. The hearing aid users are now more knowledgeable about their hearing aids and they take the initiative in coming to us with comments regarding the utility of their hearing aids.

Trouble shooting of the hearing aids and prescription of spares were also done during follow up visits of the patients and patients requiring counselling regarding speech reading were helped.

Staff Activities:

Dr.(Miss) S.Nikam:

Membership:

Chairperson- Board of Studies (Sp.& Hrg.)University of Mysore
Chairperson - Board of Examiner (Sp.& Hrg.)University of Mysore
Convenor - Panel on Hearing Aids & Audiometers,ISI, New Delhi

- Member - Acoustical Section Committee, ISI, New Delhi
Member - General Council, AYJNIHH, Bombay
Member - Technical Advisory Group, DRC, Ministry of Welfare, Government of India
Member - Technical Committee, Ministry of Welfare, Government of India
Member - University College of Sri Padmavathi Mahila Visvavidyalayam, Tirupati in connection with B.O.S. meeting in B.Ed., Special Education
Member - Symposium on Technology in Rehabilitation conducted by the Disability Division, Action Aid India, Bangalore.

Annual Statistics:

				Total no.of cases seen
a)	Hearing evaluation	..	..	5,646
b)	Hearing aid trial	..	..	4,262
c)	Impression taken for earmolds	..	..	3,586
d)	Earmolds issued	..	..	2,339
e)	Earmolds completed	..	..	3,914
f)	Audiograms copies given	..	..	743
g)	Certificate issued	..	..	495
h)	Dissertation/Independent projects completed			24
i)	Independent projects under process	..		23
j)	Correspondence (Hearing evaluation/reevaluation/earmolds/technical information/miscellaneous)			1,535

SPEECH PATHOLOGY:

Training:

Six M.Sc., dissertations were completed in the Department in April 1990 as part of the M.Sc., training programme 1989-90 and submitted. B.Sc., and M.Sc., programmes for the year 1990-91 were started in July - August 1990.

Clinical viva voce for B.Sc., (Sp. & Hrg.) was conducted from 25th to 28th February 1991.

Clinical viva voce for M.Sc., (Sp. & Hrg.) was conducted on 20th and 21st March 1991.

A workshop on Alternate & Augmentative Communication Systems was conducted on 4.2.1991 at CFTRI Auditorium, Mysore as a part of the Silver Jubilee Celebrations of AIISH. 51 delegates from India and abroad participated in the workshop.

Clinical Activities:

Prosthodontic Aids:

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

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

THERAPY CLINIC:

Regular clinical training is being provided to 96 undergraduate and 46 postgraduate students in Speech and Hearing in handling a variety of speech, hearing and language disordered individuals.

Regular speech therapy facilities were provided to about 1883 cases, including cases for demonstration therapy for a duration ranging from a couple of days to a month or more. A total of 17,635 therapy sessions were conducted in 1990-91. Statistics are enclosed.

Routine counselling to cases/parents/guardians attending therapy is being done.

Language teaching aids - charts and picture stories in different languages were prepared by students as part of the clinical assignment.

Other Activities:

An Exhibition was held on 16.12.90 of Handicraft materials prepared by the handicapped children attending Therapy Clinic. Certificates were distributed for the participants.

Sports was conducted on 16.3.1991 on account of World Day for the Disabled for the communicatively handicapped. The activity was jointly sponsored by ALISH and Round Table Association No.21. Prizes were distributed for the winners.

Visitors:

Dr John Bisazza, Professor of Neurolinguistics, University of Japan, visited the Department on 17.5.90 and had discussions.

Dr Baljit Kaur, Reader, Department of Child Development, University of Baroda visited the Department on 28.5.90 and had discussions.

Dr I S Bisht, Director (PH) and Sri G G K Nair, Under Secretary (MS) Ministry of Health and Family Welfare, Government of India, visited the Department and Therapy Clinic on 22.6.90.

Dr James Gair and Dr Babra Lust, Professors, Cornell University, USA, visited the Department on 5th and 6th November 1990 and held discussions.

Dr Macalyne Fristoe, Professor of Audiology and Speech Sciences Purdue University, USA visited the Department and had scientific discussions with the departmental staff on 11.1.1991.

Prof. P G Patel, Ottawa University, Canada, visited the Department in the first week of February 1991 and had discussions. Prof. Sharma, Statistician, Tata Institute of Social Studies, Bombay, visited the Department and had discussions.

Prof. R K Oza, Speech Pathologist and Audiologist, Bombay visited the department and had discussion with the Head of the Department.

Staff Activities:

Dr Prathibha Karanth, Prof. & Head:

Principal Investigator "A Developmental Investigation of onset, progress and stages of literacy acquisition - its implications for instructional process" approved by NCERT, India is in progress.

Investigator: Project on "Development of video recording of speech and hearing disordered cases for public education and training" along with Ms R Manjula, Ms Geetha YV, Ms Indira Kumari, Ms K S Prema is in progress.

Consultant on a collaborative project by National Institute for the Hearing Handicapped, Bombay and Regional Rehabilitation Training Centre, Madras on Development and Standardization of Language and Articulation Tests in Indian Languages - completed.

Clinic-in-charge, AIISH.

Member - Board of Studies in (Sp. & Hrg.) Mangalore University

Member - Board of Studies in Linguistics, Tamil University, Thanjavur

Member - Library Committee, AIISH

Chairperson - Hostel Committee, AIISH

Member - Selection Committee, AIISH

Member - Departmental Promotion Committee, AIISH

Member - Selection Committee, M G University, Kottayam

Member - laboratoire Theophile Alajounine, Montreal, Canada

Member - National Academy of Psychology, India

Chairperson - Organising Committee, XXIII Annual Conference of ISHA
Mysore

Examiner - University of Mysore, Mysore

- University of Bombay, Bombay

- All India Institute of Medical Sciences, New Delhi

- University of Osmania, Hyderabad

- U.G.C., National Tests, New Delhi

Delivered a talk on "Language Processing in human brain" at Rotary Club West on 18.12.1990.

Delivered a talk on "Integrated Education" at Pushkarini School, Jayalakshmipuram, Mysore on 12.1.1991.

Dr.G. Purushothama, Professor of Speech Pathology:

Participated in the Silver Jubilee Celebrations of AIISH held on 9th August 1990.

Submitted a project on "Parent groups as agencies for Rehabilitation being sent to the Ministry of Welfare, Government of India, New Delhi for approval.

Member - Indian Speech and Hearing Association

Member - Selection Committee, Regional College of Education, Mysore

President Elect, ISHA, for the year 1992-93

Editor - the Journal of Indian Speech and Hearing Association (JISHA)

Examiner - University of Mysore

University of Bombay

Chairman - Annual Report and Brochure Committee 1991-92

Asst. Editor - Journal of All India Institute of Speech & Hearing. (JAISH)

Ms Basanti Devi, Lecturer in Linguistics:

Appointed as an Evaluator for the books/manuscripts written in Assamese language under the scheme of award of prizes to writers for writing in Indian Languages other than mother tongue Hindi, English and Sanskrit at Central Institute of Indian Languages, Mysore.

Proposed a project along with Dr Shyamala Chengappa on "Developmental Milestones in Language Acquisition in Indian Languages: Kannada Malayalam, Tamil and Hindi" being processed by ICSSR.

Dr. R. S. Shukla, Lecturer in Speech Pathology,
Joint Secretary of Indian Speech and Hearing Association,
Mysore.

Dr R S Shukla, Lecturer in Speech Pathology:

In-charge of student activities

Joint Secretary of Indian Speech and Hearing Association

Member - Advisory Board, JISHA

Ms R Manjula, Clinical Lecturer:

Co-investigator of the project on "Material development for language training in major Indian Languages" funded by UNICEF.

Co-organised a workshop on "Production of materials for Language Training in Major Indian Languages" from 6.8.90 to 10.8.1990 at the Institute.

Prepared materials for Poster Session for the Workshop on Alternate and Augmentative Communication Systems held on 4.2.1991 at Mysore.

Dr Shyamala Chengappa, Lecturer in Language Pathology:

~~Proposed~~ a project along with Ms Basanti Devi on "Developmental milestones of Language Acquisition in Indian Languages - Kannada & Hindi" to ICSSR, New Delhi for funding in December 1990.

Ms Y V Geetha, Clinical Supervisor:

~~Co-organized~~ the workshop on "Production of materials for language training in major Indian Languages" from 6.8.90 to 10.8.90.

~~Co-organized~~ the Workshop on Alternate & Augmentative Communication Systems held on 4.2.1991.

Orientation classes conducted for I B.Sc., students.

Prepared charts for Science Exhibition held in connection with the Platinum Jubilee Celebrations of the University of Mysore from 25th to 31st January 1991.

Prepared Scripts ^{for} the project on "Development of Video recording of Speech & Hearing ~~...~~ disordered cases for public education and training.

Ms Indira Kumari, Itinerant Speech Therapist:

~~Gave~~ lecture on (a) Speech and language development in normal children (b) Effects of hearing impairment on speech and language acquisition and (c) Management of affected children in schools at R.V.Boy's School, Bangalore, organised by the Department of Social Welfare on 24th and 25th May 1990.

~~Gave~~ lecture on 'Speech, hearing and ^{mental} disorders in children' on 22.1.1991 at Anganvadi Training Centre, Mysore.

Gave a lecture on Management of children with speech and language problems in IED was given to Teachers trainees of JES organised by JASHIRA on 2nd March 1991.

Participated in one day camp at Edhally organised by Family Planning Association of India (FPAI) Mysore Branch on 12.4.1990.

Ms K S Prema, Clinical Assistant:

Co-organizer for the workshop on "Production of language training materials in major Indian languages" held from 6.8.90 to 10.8.90 at Mysore.

Co-organizer of the workshop on "Alternate and Augmentative Communication Systems" held on 4.2.1991.

Charts for public education purpose were prepared on:

1. Vocal Hygiene
2. Cleft palate

Ms Vijayashree, Clinical Assistant:

Prepared the following Public Education Pamphlets, in English jointly with Ms Suchitra M.G.

Cerebral Palsy, Stuttering - handout for adults - Speech and Language Delay - Guidelines for parents.

Prepared manuals for the following Tests:

- Screening Articulation Test in Gujarathi
- Test of Articulation and Discrimination in Telugu

Attended the Speech & Hearing Camp at Vijayapura on 9.12.90.

Ms Suchitra M G, Research Assistant:

Prepared the following public education pamphlets in English jointly with Ms Vijayashree

Cerebral Palsy, Stuttering - handout for adults - Speech and language Delay - Guidelines for parents.

Assisted in compilation of scoring - Regional Rehabilitation Training Centre project data.

Data collection for Speech Compression Experiment.

Itinerant Speech Therapy Activities:

Followup of therapy cases:

Letters were sent to parents/guardians and cases enquiring the reasons for the irregular attendance and also for discontinuing therapy without prior intimation. Enquiry was done on the present conditions of their speech, hearing and language problems.

During this year, 160 followup letters were sent, 34 cases reported back for therapy and 24 cases replied, stating their inability to attend therapy. They were advised to follow guidance at home and to avail therapy during vacations or when it is convenient to them, depending on the nature of the problem. Seven cards were returned due to change of addresses.

Home visits:

Since majority of children attending therapy were accompanied by mothers, guidance was provided as and when the need was felt by concerned staff as well as clinical staff. Home visits were not required.

School visits:

The children with delayed speech and language, mentally retarded disorders, learning disability and hearing impairment, who are studying in normal schools were followed up by visiting the concerned schools.

Fifteen schools were visited and 46 children were followed up during this year.

Parent Counseling Meeting:

A meeting was held and information was given on the facilities available for the handicapped from State Government, Central Government and other organizations with reference to financial assistance, aids and appliances, exemption in languages for deaf children, scholarship facilities, pre-schools and special schools.

Supervision of cases:

On an average, 12-15 cases are being supervised in a month which includes parent counselling and providing home training programme.

Screening Programme for School Children:

As a pilot project, Speech and Hearing Screening programme for school children is being carried out from the month of September 1990. Identification of speech and hearing problems through teachers is the main objective of the project. Teachers were given orientation at different levels and checklists were provided to each of them, to identify the children with speech and hearing disorders.

Correspondence:

No. of follow up letters sent	..	..	160
No. of cases replied	..	..	24
No. of cases reported	..	..	34
for evaluation and therapy			
No. of letters returned	..	..	7

Visits:

No. of schools visited	..	..	15
No. of children followed up in schools	..	..	46

Annual Statistics:

Following are the statistics of the counselling and diagnostic section of the department for 1990 -91

Month	Case History	Speech Evaluation	Counselling
April 1990	423	461	102
May 1990	619	670	170
June 1990	402	431	121
July 1990	425	453	130
August 1990	339	347	92
Sept. 1990	306	339	100
October 1990	456	475	110
Nov. 1990	432	451	118
December 1990	457	481	135
January 1991	416	457	155
February	345	364	102
March 1991	289	308	93
Total	4909	5237	1428

Old cases seen during 1990-91: 326
(April 1990 to March 1991)

Statistics of new Cases with Speech and Language Disorders seen during 1990-91 (April 1990 to March 1991).

I. <u>Language Disorders:</u>	<u>No. of cases</u>	<u>Total</u>	<u>Percentage</u>
1. Delayed speech and language (DSL)	276		
2. DSL with Mental Retardation	363		
3. DSL with Cerebral Palsy	48		
4. Aphasia	21		
5. DSL with Autistic features	9		
6. Learning disability	12	729	27.54
II. <u>DSL with Hearing Loss:</u>	1029	1029	38.87
III. <u>Rhythm Disorders:</u>			
1. Stuttering	311		
2. Cluttering	1		
3. Normal Non-fluency	50	362	13.68
IV. <u>Articulatory Disorders:</u>			
1. Misarticulation	118		
2. Dysarthria	19		
3. Cleft Palate	59	266	10.05
V. <u>Voice Disorders:</u>			
1. Disphonias	269		
2. Laryngectomee	1	261	9.86
Grand Total		2,647	100

Note: 2,151 cases of hearing loss with no associated Speech and Language disorders were also seen during April 1990 - March 1991.

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[illegible]

Statistics of cases with Speech/Hearing and Language Disorders who attended Therapy Clinic - April 1990 to March 1991.

		Total	Percentage
1.	Language Disorders ..	539	28.5
2.	Auditory Disorders ..	765	40.45
3.	Voice Disorders ..	161	8.51
4.	Fluency Disorders ..	256	13.54
5.	Articulation Disorders ..	170	9
Total ..		1,891	100

PROSTHODONTIC AIDS DEVELOPED IN THE DEPARTMENT OF SPEECH PATHOLOGY

Cases	Type of Prosthesis	No.of Sessions
1	Speech Bulb prosthesis ..	4
2	Cleft palate prosthesis	
	Cold cure prosthesis ..	8
	Hot cure prosthesis ..	9
3	Speech bulb prosthesis ..	6
4	Cleft palate prosthesis ..	6
5	Cleft palate prosthesis	
	Cold cure prosthesis ..	6
	Hot cure prosthesis ..	7
6	Speech bulb obturator prosthesis ..	9
7	Cleft palate prosthesis ..	12
8	Obturator prosthesis ..	2
9	Cleft palate prosthesis ..	8
10	Obturator prosthesis ..	2
11	Speech bulb prosthesis	
	Cold cure prosthesis ..	2
12	Speech bulb prosthesis ..	17
13	Cleft palate prosthesis ..	6
14	Cleft palate prosthesis	
	Cold cure prosthesis ..	6
	Hot cure prosthesis ..	8

Total no. of cases .. 14

Total no. of sessions .. 129

-55-

SPEECH SCIENCES:

Training:

Training programme for the year 1990-91 started for B. and M.Sc., Courses and the Department is conducting practical classes for undergraduate and post-graduate courses.

A workshop on "Application of Personal Computers in Speech and Hearing Disorders" was conducted from 29th to 31st Jan 1991 in which 15 delegates from various parts of the country participated.

Clinical Services:

648 patients have been evaluated and therapy for different speech and language disordered patients have been provided.

Staff Activities:

Dr. N.P.Nataraja:

Visited Bangalore on 27.7.90 to discuss about the project SOLSH with Dr.Yegnanarayana, Indian Institute of Technology, Madras.

Attended Technology Development Commission's Workshop at New Delhi on 27.3.90 to discuss regarding the project on Infant Cry Analysis.

Chaired a session at the ISHA Conference held from 1st to 3rd February 1991.

Participated in the Board of Studies Meetings.

Chairman, Board of Educational Standards and Ethics, ISHA.

Dr. S.R.Savithri:

Took part in the Meetings of Department of Electronics held on 10.1.91 at New Delhi and presented the proposal of the project entitled "Speech analysis in Indian Languages".

Chaired a scientific session at the ISHA Conference held from 1st to 3rd February 1991 at Mysore.

Mr C S Venkatesh:

Visited Indian Institute of Technology, Madras on 22.10.90 to discuss about the project SOLSH.

Visited Indian Institute of Technology, Madras from 7th to 9th March 1991 to discuss and to get familiar with newly developed softwares for the project SOLSH.

Ms N Sridevi:

Conducted the studies on:

Acoustic differences across homonymns in Kannada.

Acoustical differences across normals and stutterers in repetitions.

Resource materials:

Audio cassettes have been developed for training students and for diagnostic purposes. Transperencies regarding acoustics phonetics have been prepared.

Annual Statistics:

648 patients were evaluated and therapy for different speech, language disordered patients has been provided.

CLINICAL PSYCHOLOGY:

Training:

The department of Clinical Psychology was established as one of the major departments of the Institute during the year 1966. Teaching, training, clinical services, research and publications are the main activities of the department.

The teaching programme for B.Sc., and M.Sc., in Speech & Hearing for the academic year 1990-91 started in July 1990. Teaching in various subjects in Clinical Psychology for the graduate and post-graduate courses completed. The students posted to diagnostics and clinical works were supervised by the staff of the department.

A group of post-graduate students in ENT from Mysore Medical College, were given an orientation lecture regarding application of Clinical Psychology in the field of communication disorders. Clinical case conference and Journal Clubs were conducted wherein students presented cases and articles respectively.

Clinical Services:

Diagnostics:

A total number of 2662 cases were tested and evaluated for routine and special diagnostics which included neuropsychological assessment and evaluations and assessments of interest, aptitudes etc.

Therapeutics:

Individual therapy was given to persons with stuttering and mental retardation. Infantile autism, behaviour problem, functional voice disorders and other speech and hearing problems.

Therapeutic interventions included are behaviour modification, bio-feedback, progressive muscular relaxation therapy, hypno-therapy, psychodrama and behavioural counselling etc. Group therapy programmes were also given for mentally retarded and stuttering.

Counselling and guidance:

The parents of the mentally retarded and other cases with behaviour problems were counselled regarding the management of problematic behaviours and improving of their self help skills.

Behaviour counselling was carried out with cases like stuttering, voice disorders, aphasics, learning disabilities etc.

Vocational guidance and counselling was also carried out by the staff for the cases with hearing handicapped and the mentally retarded.

Staff Activities:

Dr J Bharath Raj:

Examiner - Post-graduate studies in Psychology, Mysore University

Examiner - M.Phil., in Clinical Psychology, NIMHANS, Bangalore

Examiner - Ph.D., in Clinical Psychology, Benaras Hindu University
Varanasi

Chairman - Library Sub-Committee of AIISH

Presented Institute Report regarding the various developments of the Institute from its inception to 25 years at the inaugural function of the Silver Jubilee of the Institute.

Served as as Chief Test Administrator, IBPS, Bombay and conducted the examination for the selection of Group A & B Officers to the State Bank of Mysore, Mysore.

Inaugurated a workshop on 23.7.90 regarding training programme for the parents of disabled on the invitation by District Rehabilitation Centre at T.Narasipur.

Gave an orientation talk and demonstration to a group of trainees from Aerospace Medicine, Bangalore regarding clinical psychological and its application in the field of communication disorders.

Retired from service on superannuation with effect from 28.2.1991.

Mr P Kalaiah:

Examiner - B.Sc., and M.Sc., Speech & Hearing, Mysore University
Examiner - Speech and Hearing, Bombay University
Examiner - Post graduate studies in Psychology, Mysore University
Office Superintendent - B.Sc., Speech and Hearing Annual Examination 1990
Member - Organising Committee ISHA XXIII Annual Conference 1991
Assisted as Assistant Test Administrator for Institute of Banking Personnel Selection, Bombay conducted the examination for the selection of Group A & B Officers to the State Bank of Mysore, Mysore.
In-charge - Head of the Department with effect from 1.3.1991.

Dr (Miss) A D Bhavani:

Examiner - B.Sc., Speech and Hearing, Mysore University
Life Member - Indian Speech and Hearing Association
Member - Clinical Committee of the Institute

Mr Anthony Thomas:

Warden - Gent's Hostel, AIISH, Mysore.
Camp Coordinator and NSS Programme Officer of AIISH.
Selected for a Commonwealth Fellowship at Denmark for the year 1990-91 by the Ministry of Health & Family Welfare, Govt. of India.
Interpreter to an adult deaf-mute in a criminal case at Kalpetta.
Gave a lecture on psychological Approach to Deaf on the invitation from School for the Deaf, Calicut.
Gave a lecture on Rehabilitation of the Deaf a Psychological Approach on the invitation of Marthoma School for the Deaf, Kasargod, Kerala.

Mr G Jayarama:

Gave an orientation lecture to Post Graduate students in ENT from Mysore Medical College, Mysore.

Mr Y T Balakrishna Acharya:

Served as Control Room Assistant for Institute of Banking Personnel Selection, Bombay conducted the examination for the selection of Group A & B Officers to the State Bank of Mysore, Mysore.

Annual Statistics:

Diagnostics - Types of cases tested/ evaluated				Nos.
1.	Mental Retardation	..	..	867
2.	Specific Learning Disabilities	..	..	5
3.	Past encephalitic sequelae	..	..	4
4.	Post Epileptic Sequelae	..	..	4
5.	Cerebral Palsied	..	..	38
6.	Dysarthria	..	..	5
7.	Hearing Loss	..	..	819
8.	Micro/Macro Cephallis	..	..	4
9.	Specific Delay in Speech & Language	..	..	226
10.	Normal Non-fluency	..	..	42
11.	Depression	..	..	5
12.	Schizophrenia	..	..	1
13.	Infantile Autism	..	..	8
14.	Aphasia	..	..	13
15.	Hyper Kinetic Syndrome	..	..	5
16.	Functional Voice Disorders	..	..	17
17.	Voice problem	..	..	27
18.	Stuttering	..	..	342
19.	Misarticulation	..	..	114
20.	Anxiety Neurosis	..	..	14
21.	Head Injuries	..	..	7
22.	Others	..	..	94
Total No. of cases				2662
New Cases				2368
Old cases				294
Certificate issued for Mentally Handi- capped				138
Total No. of cases received therapy				98
Total no. of therapy sessions				1398

OTO-RHINOLARYNGOLOGY: (E.N.T.)

Training:

The under-graduate and post-graduate students in Speech & Hearing are being trained by way of Lectures, Clinical Conferences and Charts. The Pathophysiology of Speech & Hearing Disorders is taught to students through clinical demonstrations using various instruments and medical management of various Speech & Hearing Disorders during Clinical posting. The students are given training in mass screening of Speech and Hearing Disorders in camps.

Clinical Services:

Diagnostic:

Clinical services are rendered to all the cases reporting to the Institute. In addition cases are also seen at K R Hospital on Wednesdays. Despite the increase in the number of doctors available there, the case load has increased.

Therapeutic:

At present, only minimal therapeutic procedures like suction clearance of discharging ears can be done at the Institute. Other therapeutic procedures, both medical and surgical are being done at K R Hospital as there is no in-patient facility at the Institute. The proposed separate ENT Block with in-patient and operation facilities when completed would considerably reduce the inconvenience to the public in getting a comprehensive speech and hearing care at one single institution. However, all routine and special surgical procedures are being done at the K R Hospital.

Annual Statistics:

Medical and surgical services

	<u>Old</u>	<u>New</u>	<u>Total</u>
Cases seen at AIISH	7571	7177	14748
Cases seen at K R Hospital	2599	2618	5217
	<u>Major</u>	<u>Minor</u>	<u>Total</u>
Operations performed	189	142	331
Microscopic procedures at AIISH	-	-	1832

(Special operations .. Stapedectomy, Tympanoplasty and Ossicular reconstruction and TORP & PORP)

ELECTRONICS:

Training:

Basic electronics and acoustics has been taught to I B.Sc., and II M.Sc., students of Speech and Hearing during their clinical postings to Electronics Department. They have been taught about practicals and servicing of Hearing Aids and other equipments.

Short-term course for rural technicians on servicing of hearing aids was successfully completed during the third week of March 1991 with the financial assistance from the Inner Wheel Club, Mysore.

Clinical Services:

Servicing of Hearing Aids of the cases and maintainance of the electric and electronic instruments at the Institute.

Staff Activities:

Mr H S Satish:

Continued as the Technical Advisor for the Institute of Speech and Hearing, Bangalore.

Guiding the students of Sri Jayachamarajendra College of Engineering, Mysore in their project 13 channel amplification system.

In collaboration with Mr B N Balasubramanya, Junior Technical Officer has developed AIISH Communicator.

Mr M K Seetharam & Mr S R Srinivas:

Have been nominated as Principal Investigator and Co-investigator respectively for their project 'Visual Telephone Bell Indicator' under the Technology Mission, New Delhi.

Mr B N Balasubramanya:

In collaboration with Mr H S Satish, Head of the Department of Electronics, has developed AIISH Communicator.

Annual Statistics:

1. Hearing Aids repaired	..	..	885
2. Equipment repaired	..	Major	88
		Minor	84
3. Electrical work	..	Major	140
	..	Minor	130
4. Hearing Aids certified	..	..	1317
5. External consultancy	..	..	02
6. Equipment certified	..	..	20
7. Hearing aid spares certified	..	..	2000

PUBLICITY & INFORMATION UNIT

The period under report has been the year of the Silver Jubilee Celebrations of the Institute.

On 9th August 1990, the 25th Anniversary of the Institute was celebrated in a very meaningful manner. The former Directors and the members of the staff who rendered twenty five years of service were felicitated along with Dr.Nagappa Alva, a Former Minister of Health and Family Welfare, Government of Karnataka.

The year had a stream of visitors from different faculties. The print media was very receptive to our press releases. It gave good coverage to our information. The Bangalore Kendra of Door Darshan gave tele-coverage for the inaugural function of the Silver Jubilee Celebrations which was inaugurated by Shri Bhanu Pratap Singh, the then Governor of Karnataka. The All India Radio also had broadcast our programmes. Thus there was a very good rapport with all the agencies of the media.

As a part of field activity and public education programmes two Speech & Hearing camps were conducted. One at Vijayapura of Bangalore District and the other at Kalpetta, Kerala State. Nearly four hundred cases were examined and counselled in these two camps.

LIBRARY AND INFORMATION:

The AIISH Library and Information Centre is nucleus for the information retrieval in the speciality of Speech & Hearing and it could be made as National focal point/data base in the speciality.

This library at present is equipped with about 10,000 volumes of books and subscribing 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 workshop/conferences, rare collection of reprints and also audio-visual cell which comprises of microfiche readers, slides, films, a good number of pre-recorded education cassettes.

The Library and Information Centre is providing various services at present. They are:

It regularly offers literature search facility on topics of interest to its clientele/;

Specialised subject Bibliographies on specified topics are being offered to the researchers;

Inter-Library loan facilities and resource sharing activity is being done; and

Provide reprographic service.

The Library is being planned for the automation of its activities. In this connection we have procured from the Ministry of Science and Technology, Department of Scientific and Industrial Research the Software, CDS-ISIS produced by UNESCO.

It is planned to completely automise the Library activities. In this connection a detailed project proposal for the same has been sent to the University Grants Commission, New Delhi.

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.

Staff Activities:

Mr M V Govindarajan:

Attended Mysore City Libraries Consortium (MCLC) meeting held on 11.12.90 at Mysore.

Attended Standing Committee of MCLC meeting held on 17.12.90

Life Member - Indian Library Association (ILA) New Delhi

Medical Library Association of India (MLAI)

New Delhi

Indian Speech & Hearing Association (ISHA) Mysore

Mr R Ramesh Babu:

Bachelor of Library and Information Sciences, Indira Gandhi National Open University, New Delhi - undergone training.

Annual Statistics:

1. No. of volumes at the end of the year (1990-91)	..	9086
2. No. of volumes added	..	69
3. No. of journals subscribed to	..	55
4. No. of journals exchanged	..	1
5. No. of books/journals issued/consulted	..	66444

MEDICAL RECORDS

Statement showing the number of cases seen in the year 1990-91

Diagnostic category

1. Hearing loss	..	..	2105
2. Hearing loss with other problems	..	..	875
3. Stuttering	..	..	600
4. Misarticulation	..	..	160
5. Delayed speech	..	..	560
6. Voice	..	..	280
7. Mentally retarded	..	..	140
8. Aphasia	...	..	25
9. Cerebral palsied	..	..	6
10. Normal	..	..	150
11. Incomplete (did not stay for examination and advice)	..	..	120
12. E.N.T.	..	..	3547
13. Total no. of new cases	..	..	8568
Speech and hearing problems	..	..	4751
E.N.T. problems	..	..	3547
Incomplete cases	..	..	120
Normal	..	..	150

<u>Year</u>	<u>New Cases</u>	<u>Mysore City</u>	<u>Mysore Dist.</u>
1988-89	8442	3625	1404
1989-90	8713	3756	1441
1990-91	8568	3569	1560

ANNUAL STATISTICS - CLINIC

Cases seen during the year 1990-91

1. New Cases	..	..	8568
2. Repeat cases	..	..	13234
3. Total no. of cases	..	..	21802

Age-wise:

<u>Age group</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
0-5	996	668	1664
5-10	685	498	1183
10-20	952	628	1580
20 & above	2724	1447	4171
	-----	-----	-----
Total ..	5357	3211	8568
	-----	-----	-----

E.N.T. OPD at K R Hospital:

New Cases	..	2618
Old cases	..	2599
Total	..	5217

Operation done at K R Hospital:

Major	..	189
Minor	..	142
Total	..	331

STATEWISE STATEMENT OF NEW CASES SEEN

Sl. No	Name of the State			No. of cases
1.	Karnataka	..	..	7659
2.	Kerala	..	..	442
3.	Tamil Nadu	..	..	207
4.	Andhra Pradesh	..	..	182
5.	Union Territory	..	..	16
6.	Assam	..	..	3
7.	Gujarath	..	..	3
8.	West Bengal	..	..	2
9.	Uttar Pradesh	..	..	11
10.	Maharashtra	..	..	11
11.	Orissa	..	..	1
12.	Madhya Pradesh	..	..	11
13.	Rajasthan	..	..	1
14.	Bihar	..	..	9
15.	Punjab	..	..	2
16.	Himachal Pradesh	..	...	1
17.	Goa	..	..	2
18.	Meghalaya	..	..	1
19.	Overseas	..	..	1

ENGINEERING SECTION

The Engineering Section is in-charge of construction and maintenance of the buildings of the Institute.

Planned Activities:

Construction of Speech Unit (Ground Floor) Rs.32.73 lakhs.

Administrative sanction and financial sanction has been accorded by the Ministry of Health and Family Welfare. The detailed estimate of Rs.32.73 lakhs has been prepared and sanctioned by the Chief Engineer C & B (South) (vide letter No.CBS/36/BDO/89-90 dated 13.3.87). Architectural drawings were received from the Architecture Control Design Bureau, Directorate General of Health Services, New Delhi, (vide letter No.ENO 5-1/89-CDB/758 dated 2.6.88). The work was put to tender and awarded to lowest contractor with the total amount of Rs.27,40,842/- which will be 1.27% above the sanctioned estimate. The work is in progress. Upto this date the amount of progress achieved is Rs.20,15,093.69. The balance work is under progress and it will be expected to complete by December 1991.

Addition to Gents Hostel of AIISH:

Administrative approval is accorded by the Executive Council at its XXXVII Meeting held on 27.1.89. Action is being taken for soil testing and to prepare plan and estimate.

Utilisation of Dharmashala, AIISH, by the Cases and their Attendants

Month	April 1990	May 1990	June 1990	July 1990	August 1990	September 1990	October 1990	November 1990	December 1990	January 1991	February 1991	March 1991
Cases	30	46	45	33	10	22	25	25	32	52	19	16
Attendants	41	68	64	45	30	35	35	40	52	61	47	42

HORTICULTURE SECTION

This section is concerned with providing natural environment to the Institute.

The objectives of this section are to:

- Maintain the Institute and premises with natural beauty by growing and training of ornamental species of plant:
- Provide lively atmosphere inside the building by arranging decorative indoor plants.
- Maintain Greenary in and around the Institute.
- Provide esthetic importance by maintaining ornamental shrubs and flowering plants and to compete in the Horticultural Shows, etc;
- Provide an ideal opportunity for NATURE EDUCATION for rehabilitating children.

Apart from the above, maintenance of Rose Garden, Fern House, and Fruit Orchard were taken care of as routine works.

Entire Institute premises is planted with different varieties of flowering shrubs, ornamental trees, creepers and herbs to maintain the esthetic beauty. This section has earned revenue to the Institute by auction sales of fruits and firewood etc.

During 1990 Dasara Horticultural Show, the Institute got the First prize for the Garden maintenance, and also won several other prizes for growing of flowers etc.

DEPARTMENTAL CANTEEN

The Institute has a Departmental Canteen which has been registered as type 'D' with the Director of Canteens, New Delhi. This is run on no loss no profit basis for the benefit of the staff and students of the Institute and the patients who visit the Institute. Accommodation and other facilities have been provided by the Institute. In addition 70% of the wages to canteen employees are given as subsidy.

The Canteen has three regular employees, one casual employee. During the year 1990-91 some improvements were made in the canteen by procuring steel vessels, and a new industrial gas stove. Despite spiralling prices the canteen could maintain the required qualitative and quantitative services to the patrons.

The canteen is managed by a Committee consisting of a Chairman, A.A.O. (I.A.C) as Secretary and six members representing various grades nominated by the Director of the Institute.

AIISH GUEST HOUSE

In addition to Dharmashala building we have provided accommodation facilities also at our guest house to the patients and their attendants on payment of Rs.10/-per bed or Rs.20/-per room for two persons.

The Guest house consist of three bed rooms with attached bathrooms with hot water facilities. The rooms are furnished with steel cots, beds, wollen blankets

The guest house rooms are utilised by patients and their attendants and officials.

The amount collected from occupants as guest house charges from 1.4.90 to 31.3.91 is Rs.16,378/-.

OFFICIAL LANGUAGE IMPLEMENTATION COMMITTEE

The Official Language Implementation Committee at the Institute working under the Chairmanship of the Director i/c has made good progress by conducting Hindi classes, Hindi Day and attending to the programmes concerning Official Language.

The number sponsored and the number passed in various Hindi Examinations during May and November 1990 were as follows:

Month	Examination	No. sponsored	No. passed	Awards if any
May 1990	Prabodh	6	2	1 granted Cash Award
	Praveen	6	3	1 -do-
	Pragya	5	3	3 granted personal pay
Nov.1990	Prabodh	2	1	1 granted cash Award
	Praveen	4	2	1 -do-
	Pragya	2	1	1 granted personal pay

Hindi connected works were looked after by the Hindi-cum-English Typist. Case history sheets, pamphlets, annual reports, statement of accounts and audit reports etc., were translated and put up in bilingual form. Hindi Day was celebrated on 14th Sept. 1991 as a part of which a lecture was arranged. Three officers were granted cash incentives for doing original noting and drafting. Three meetings of the OLIC were also conducted during the year.

NATIONAL SERVICE SCHEME (NSS) ACTIVITIES

The NSS volunteers conducted a door to door survey in the nearby village and in the Manasagangothri Layout.

Fifteen illiterates attended the Adult Literacy Programme. Ten of them became literates.

Our NSS volunteers collected nearly 200 old clothes from the Manasagangothri Layout and distributed to the inmates of the old age home run by the Little Sisters of the Poor.

With the help of JSS College of Pharmacy our unit organised a blood grouping programme for the students and staff of the Institute.

On various occasions our volunteers have donated blood for poor and needy patients in emergency.

Adventure Programmes:

Thirty five volunteers participated in a one day expedition.

Fifty students participated in a nature expedition programme to Abby Falls.

Forty girls and twenty seven boys participated in the two day rock climbing and mountaineering programme in Kuntibetta, Pandavapura.

Our unit organised a handicap detection programme in the Hemmige Village in Mandya District. 150 patients attended this programme.

The NSS Officer, Mr Anthony Thomas conducted few classes in Basic Photography.

Tree planting and cleaning the campus, ladies and gents hostel premises etc., were also done.

March 25th 1991 was observed as NSS Day Mr B K Shivanna, NSS Co-ordinator and Dr (Mrs) Shankaran, Director, Defence Food Research Laboratory, Mysore were the Chief Guests.

Mr B K Shivanna has distributed the prizes for talented NSS Volunteers.

RESEARCH ACTIVITIES

Ph.D PROGRAMME:

Submitted:

- Ms G N Rangamani "Aphasia and Multilingualism - Clinical evidences towards the cerebral organisation of language" completed and submitted to the University of Mysore. The evaluation reports have been received and the viva voce is scheduled to be held in September 1991 as the candidate is currently outside the country.
- Mr P Vidyasagar, "Cognitive Social and Temperamental Aspects among the sensorineural hearing impaired children" thesis completed and submitted to the University of Mysore.
- Mr K K Lal, "Developing effective therapeutics strategies among young adult Stutterers", thesis completed and submitted to the University of Mysore, Mysore.

Registered/Progress:

- Ms Asha Yathiraj, Continuing her Ph.D., work on the topic "Contributory factors in the integration of hearing impaired in schools" under the guidance of Dr S Nikam.
- Ms Uma Subramaniam - "Acquisition of Syntax in the Hard of Hearing" - registered with the University of Mysore in 1986 is in progress. Her thesis is nearing completion and is expected to be submitted in 1991-92.
- Mr T A Subba Rao - "A Comparative analysis of language in Mentally Retarded Children" is in progress under the guidance of Dr Prathibha Karanth.
- Ms K S Prema - "Test for Reading Abilities" Registration being processed under the guidance of Dr Prathibha Karanth.
- Ms Manjula, Continuing her Ph.D., work on "Aspects of Intonation in Kannada" under the guidance of Dr N P Nataraja.
- A Jagadish, Continuing his Ph.D., work on "Infant Cry Analysis" under the guidance of Dr N P Nataraja.
- Mr M G Subramanyiah, Continuing his Ph.D., work on "Laryngeal abnormalities in Stutterers" under the guidance of Dr N P Nataraja.

- Mr C S Venkatesh, Continuing his Ph.D., work on Acoustic analysis of Kannada speech sounds" under the guidance of Dr N P Nataraja.

- Mr Rajashekher, Continuing his Ph.D., work on "Acoustic A Comparison of TEP & Oesophageal speech" under the guidance of Dr N P Nataraja.

- Mr P Kalaiah, Continuing his Ph.D., work on the topic " An investigation into some of the personality correlates of stutterers and to derive an effective treatment package programme - to suit a majority of stutterers under the guidance of Dr J Bharath Raj.

- Mr Y T Balakrishna Acharya, Continuing his Ph.D., work on the topic, "An investigation into the Personality concomittants of Essential Hypertension" - under the guidance of Dr J Bharath Raj

- Mr Kalyan Kumar, Continuing his Ph.D., work entitled "Effects of Preparatory stages of Ashtanga Yoga on the Personality Characteristics of the Practitioners - An Experimental Study" - under the guidance of Dr S K Kiran Kumar.

Dissertations:

- Bijay Kumar Singh - "Audiological findings in geriatric - A comparative study" under the guidance of Dr S Nikam.
- Asha K - "The Literacy factor in Syntactic judgement and Comprehension in Children", under the guidance of Dr Prathibha Karanth.
- Aparna V - "The Literacy factor in syntactic judgement and Comprehension in Adults", under the guidance of Dr Prathibha Karanth.
- Mythra J - "Logographic Reading Skills in Children", under the guidance of Dr Prathibha Karanth.
- Priya Bagul - "Diadochokinetic rate in the speech of the hearing impaired", under the guidance of Dr R S Shukla.
- Shankar Narayan - "New Therapy technique for the voiced and voiceless distinction problem in the speech of the hearing impaired under the guidance of Dr R S Shukla.
- Krishna Y - "Co-articulatory effects in a /t/ misarticulation case under the guidance of Ms R Manjula.
- Sharmila G - "Receptive vocabulary in cerebral palsied", under the guidance of Ms R Manjula.
- Rajashree S - "Assessment scale for cerebral palsied", under the guidance of Ms R Manjula.

Dissertations in progress:

- Dibyendur Bhattacharya - "Electro-glottography in normal children and adults", under the guidance of Dr N P Nataraja.
- Panda Kirod Chandra - "Articulation proficiency in the retarded", under the guidance of Dr N P Nataraja.
- Sanjay Kumar - "Electro-glottography in dysphonics", under the guidance of Dr N P Nataraja.

- Suresh T - "Acoustic analysis of voice in geriatric group", under the guidance of Dr N P Nataraja.
- Tharmar S - "Acoustic analysis of voice in normal children and adults", under the guidance of Dr N P Nataraja.
- Vaidya Suchitra Sridhar - "Acoustic parameters of speech of stutterers in pre and post therapy conditions", under the guidance of Dr N P Nataraja.
- Animesh Burman - "Deep test of Articulation in Bengali (Picture form)" under the guidance of Dr S R Savithri.
- Aravind Kumar Sharma - "Development of Disfluencies in children age 6-7 years", under the guidance of Dr S R Savithri
- Mithilesh Kumar - "Programmed therapy technique for stutterers - case studies", under the guidance of Dr S R Savithri.
- Mohan Natarajan - "A synthetic test in Intonation", under the guidance of Dr S R Savithri.
- Rajendraswamy H M - "Fluency development in Kannada speaking children", under the guidance of Dr S R Savithri.
- Raju Pratap - "Perception of word stress in children 3 - 4 years" under the guidance of Dr S R Savithri
- Ashok Kumar Biswas - "A few objective measurements of voice quality in cleft palate individuals", under the guidance of Mr C S Venkatesh.
- Savalam Gnanarathna Prakash - "A few objective measurements of voice quality in hearing impaired children", under the guidance of Mr C S Venkatesh.

INDEPENDENT PROJECTS:

- Animesh Barman - Question bank on ear protection devices.
- Aparna Vijayan - A primer on electro-physiological testing for audiological purposes.
- Arvind Kumar Sharma - Electrophysiological tests in human for audiological purposes - A review of literature, 1985-88.
- Ashok Kumar Biswas - Audiological findings in the inmates of old age home.
- Bagul Priya Sudhakar - Manpower resources in the field of speech and hearing.
- Dibyendu Bhattacharya - Immittance measurement - A probe into your knowledge.
- Gummatira Sharmila Mandanna - Geriatric hearing aid users - A follow up.
- Jagadish Mythra - Peep show in sudden hearing loss.
- Krishna Y - Effect of volume control on frequency response of body level hearing aids.
- Kudva Asha M - Nature and consequence of industrial noise awareness of employers.
- Mithilesh Kumar - Audiological findings in peripheral hearing disorders - A review of literature.
- Mohan Natarajan - Vibrotactile aids - A review.
- Panda Kirod Chandra - Effect of battery drain on harmonic distortions of body level hearing aids.

- Rajashree S - On hearing impairment and such - by the audiologist to those concerned.

- Rajendra Swamy - Infant testing for audiological purposes - a review of literature 1985-89.

- Raju Pratap - A review of studies on central auditory disorders in humans-last fifteen years.

- Sanjay Kumar - Immittance studies in humans - A review of literature 1984-89.

- Savalam Gnanarathna Prakash - Effect of battery drain of frequency response (range) of the body level hearing aids.

- Shankar Narayan V - Effect of battery drain on gain of the level hearing aids.

- Sinha Satyabrata Shekar - Communication problems in elderly
- A script for audio visual.

- Suresh T - Characteristics of hearing aids users.

- Tharmar - Development of case history sheet to identify NIHL.

- Vaidya Suchita Shridhar - A guide for the hearing aid user.

Independent projects in progress:

- K Bhuvaneswari - A comparative study of MLR wave forms in two different groups of geriatrics.

- T Gokulkrishnan - Glossary of terms in Audiology.

- GVM Hariprasad - The effect of tone control settings on the frequency range in mild, moderate and strong category of body level hearing aids.

- Jaya P - Survey and analysis of commercially available sources of acoustic stimuli, in identification and rehabilitation of hearing impaired children (3-6 years).

- Jeny Elizabeth Philip - A comparative study of masking level difference in geriatrics.

- Jyothi Hiwarale - Hearing aids - A review of studies.
- Nandini Iyer - Audio visual representation of normal and abnormal conditions of the ear.
- Neelu Kabra - Hearing loss; causes, prevention and management
- A pictorial presentation.
- Pragna Gokani - Man power and equipment available in schools for the deaf in India - A survey.
- Prem Kumar C B - Some demographic characteristics of patients with communication disorders - male vs female.
- Raghunath V - Field testing of a questionnaire on the assessment of the child's speech by parents.
- Rashmi P G - A comparative study of MLR wave forms in the geriatrics: males vs females.
- Rashmi Rao - Audiologists satisfy the layman's doubts on hearing hearing loss and rehabilitation.
- Krishnamurthy Satya - Age related variations in P300 in the geriatrics.
- Shailashree C N - Insertion gain measurement for hearing aid selection - An audio visual program for the curious.
- Shanthi N - Nature and utility of 40 Hz evoked potential in geriatrics.
- Sheela Vasudevan Namboodiripad - Survey and analysis of commercially available sources of acoustic stimuli in identification and rehabilitation of hearing impaired children (0-3 years).
- Shirpa K Ojha - The effect of changing the MPO setting on the gain and distortion characteristics of body level hearing aids.
- G Sowmya Narayan - Review of the ear and its functions.

Sowmya Srinivasan - Use of a questionnaire to identify communicatively problems in the elderly - A pilot study.

Sujatha C S - A comparative study of MLR wave forms elicited by tone bursts and clicks in the geriatrics.

Suma Narasimhan - Look, read and answer - A programme on hearing aids.

Sai Prasanna Suvarna - A home training programme for the pre-school hearing impaired child.

Speech Pathology:

Karanth P 1990, "Issues Relating to Professional Training and Development of AAC Systems in India" Proceedings of the ISAAC Regional Conference, Calcutta.

Karanth P 1990, "Evaluation of Language Disorders in Adults" in S K Kacker & V Basavaraj (Ed.) Indian Speech, Language and Hearing Tests, the ISHA Battery, New Delhi.

Karanth P "Cross Cultural Studies of Aphasia" In Proceedings of the World Congress of Neurology - Lawrence Erlbaum Associates New Jersey - In Press.

Kaul B & Karanth P "Special Education in India" In H Saraswathi & B Kaur (Ed.) New Directions in Human Development and Family Studies: Research and Policy Interfaces. Sage Publications, New Delhi - In press.

Karanth P & Suchitra M.G "Literacy Acquisition and Grammatical Judgement in Children" In R.Scholes & B Willis (Ed.) "Literacy Linguistic and Cognitive Perspectives" Lawrence Erlbaum Associates, New Jersey, In press.

Purushothama G "On Mental retardation and speech disorders" in Manavika Karnataka, a quarterly journal, University of Mysore, PP:95-105.

Purushothama G "On the nature of reading disability" in Manavika Karnataka, a quarterly journal, University of Mysore PP:73-78.

Manjula R "Aspects of Intonation - the state of art" accepted for publication in the journal of All India Institute of Speech and Hearing.

Manjula R (Co-author) "Group therapy for stutterers - A report" Accepted for publication in the journal of All India Institute of Speech and Hearing.

Shyamala K C, submitted a book on "Speech and Language Behavior of the Cerebral Palsied" for publication to Central Institute Indian Languages.

Shyamala K C, submitted an invited article "Language Disorders in Children" for the AIISH Souvenir on the occasion of Silver Jubilee Celebrations, in February 1991.

Speech Sciences:

Savithri S R, submitted article entitled "Suprasegmentals" to the anthology entitled "Readings in general and applied phonetics I".

Savithri S R, submitted Monograph entitled "Fluency and its disorders" to ISHA.

Sridevi N (Co-authored) "Cross-language study of stop consonants submitted to JISHA.

Sreedevi H S 1990, "VOT as voicing cues to Kannada Stop Consonants" NSA Special issue.

Sreedevi H S "Voicing cues for stop consonants".

Sreedevi H S (co-authored) "Perceptual cues of Kanada Stop Consonants".

Clinical Psychology:

Bharath Raj J 1990, "A Method in Madness" - Indian Journal of Clinical Psychology Vol.17(1).

Balakrishna Acharya Y T 1990, "Manasika Rogagala Parichaya" Prasaraanga, University of Mysore, Mysore.

PAPERS PRESENTED IN CONFERENCES/WORKSHOP

Audiology:

- Dr S Nikam, C S Vanaja and Hemalatha B - presented a paper entitled "Estimation of LDL using BSERA at ISHA Conference held on 2.2.1991 at Mysore.

Speech Pathology:

Dr Prathibha Karanth

- "Special Education in India with special focus on Learning Disabilities" (co-author: Dr Baljit Kaur) at the National Symposium on "New Directions in Human Development and Family Studies: Research and Policy Interfaces held from 8th to 10th November 1990 at MS University, Baroda
- "Is the illiterate a native speaker? at the conference on "Literacy and language: Comparative Approaches" held at the Rockefeller Foundation Study Center, Bellagio, Como, Italy held from 25th to 29th March 1991.

Manjula R

- "Gestural assisted modes for the communicative handicapped" at the workshop on Alternate & Augmentative Communication Systems held on 4.2.91 at Mysore.

Speech Sciences:

Dr N P Nataraja

- "Instrumentation for Research & Diagnosis of Speech Disorders at the Workshop on Instrumentation in Speech & Hearing conducted by NIMHANS, Bangalore from 30th to 31st October 1990.

C S Venkatesh

- "Development of Hearing Screening Device for Village Level Workers" at the ISHA Conference held from 1st to 3rd Feb.'91.

Ms N Sridevi:

- "Cross-language study of stop consonants" at the XXIII Indian Speech & Hearing Association Conference held from 1st to 3rd February 1991.

Ms H S Sreedevi:

- "VOT as voicing cues for stop consonants in Kannada" and "Acoustic characteristics of optimum voice" at National Symposium on Acoustics from 7th to 10th November 1990 at Cochin.

- "Perceptual cues of Kannada stop consonants" at the XXIII Indian Speech and Hearing Association Conference held from 1st to 3rd February 1991 at Mysore.

H Rohini:

- "Development and standardization of Kannada Articulation and Language Test" at the Indian Speech and Hearing Association Conference held from 1st to 3rd February 1991 at Mysore.

Clinical Psychology:

Kalyan Kumar:

- "Psychological and Counselling aspects of street children" workshop organised jointly by the Department of Women and Children's Welfare Government of Karnataka, Zilla Parishad, Mysore and UNICEF, Madras on 22nd June 1990.

WORKSHOPS/SEMINARS/SYMPOSIUMS/CONFERENCES ATTENDED

Audiology:

Roopa Nagarjan

- Attended Indian Speech and Hearing Association Conference at Mysore held on 1.2.91.

Vanaja C S

- Attended Workshop on Evoked Response Audiometry at Ali Yavar Jung National Institute for the Hearing Handicapped, Bombay on 10th and 11th October, 1990.

Speech Pathology:

Dr Prathibha Karanth

- Attended meeting of the Regional Rehabilitation Training Centre - National Institute for the Hearing Handicapped Project on "Development of Language and Articulation Tests" held at Ali Yavar Jung National Institute for the Hearing Handicapped, Bombay on 8.5.90.

- Conducted a Workshop funded by UNICEF on "Production of material for Language Training in major Indian Languages" held at Mysore from 6.8.90 to 10.8.90.

- Attended Fourth International Society for Augmentative and Alternative Communication Conference held from August 12-16, 1990 at Stockholm, Sweden.

- Attended the Special Programme on Rehabilitation organised by the Swedish Institute for the Handicap, Sweden, from August 17-24, 1990.

- Participated in the University Grant Commission Workshop for National Examinations, from 3-5 October 1990 at New Delhi.

- Attended meeting on finalisation of Language Test items and scoring of the UNICEF funded Regional Rehabilitation Training Centre - National Institute for the Hearing Handicapped Project on 8.10.90 at Madras.

- Co-chaired a session on "Language Test Development" in the Continuing Education Programme at XXIII Annual Conference of Indian Speech and Hearing Association on 1.2.1991.

- Participated in the XXIII Annual Conference of Indian Speech & Hearing Association held from 1-3 February 1991.

- Organised a Workshop on Alternate & Augmentative Communication Systems in collaboration with Spastics Society of Eastern India, Calcutta at CFTRI Auditorium, Mysore on 4.2.91 as a part of the Silver Jubilee Celebrations of AIISH.

Dr G Purushothama

- Organised the XXIII Annual Conference of Indian Speech & Hearing Association held from 1 - 3 February, 1991.

- Attended the Workshop on Alternate & Augmentative Communication Systems organised by the Department in collaboration with Spastics Society of Eastern India, Calcutta on 4th February 1991.

Basanti Devi:

- Participated in the Workshop on "Production of material for Language Training in major Indian Languages" held at Mysore from 6-10 August 1990.

Dr R S Shukla:

- Attended XXIII Annual Conference of Indian Speech & hearing Association held from 1-3 February 1991 at Mysore.

R Manjula

- Attended Workshop on "Production of materials for training in major Indian Languages" held from 6-10 August 1990.

- Attended XXIII Annual Conference of Indian Speech and Hearing Association held from 1-3 February 1991 at Mysore.

- Attended Workshop on Alternate & Augmentative Communication Systems in collaboration with Spastic Society of Eastern India, Calcutta held on 4.2.91

- Delivered an invited talk on the thesis entitled "Speech and language behaviour of the Cerebral Palsied" in the Continuing Education Programme at XXIII Annual Conference of Indian Speech and Hearing Association held on 1.2.1991.

- XXIII Annual Conference of Indian Speech and Hearing held from February 1-3, 1991.

Y V Geetha:

- Attended XXIII Annual Conference of Indian Speech and Hearing Association held from February 1-3, 1991.

Indira Kumari:

- Participated in the Screening Programme conducted at Ranga Rao Memorial School for Blind Children in connection with the celebration of Helen Keller's week.

- Participated in the XXIII Annual Conference of the Indian Speech and Hearing Association from February 1-3, 1991 at Mysore.

- Participated in the Workshop on Alternate and Augmentative Communication Systems held on 4.2.1991 at Mysore.

- Gave lecture on: (a) Speech and Language development in normal children (b) Effects of hearing impaired on speech and language acquisition and (c) Management of affected children in schools at R V Boy's School, Bangalore, organised by the Department of Social Welfare on 24th and 25th May 1990.

- Gave lecture on "Speech, hearing and mental disorders in children" on 22.1.1991 at Anganwadi Training Centre, Mysore.

- Gave a lecture on "Management of children with speech and language problems in Integrated Education of Disabled." was given to Teacher Trainees of JSS organised by JASHIRA on 2nd March 1991.

Prema K S:

- Participated in the workshop on "Application of Personal Computers in the Communication Disorders" from 29th to 31st January 1991 organised by the Department of Speech Sciences, AIISH, Mysore.
- Attended XXIII Annual Conference of Indian Speech and Hearing Association held from February 1-3 1991 at Mysore.

Speech Sciences:

Dr N P Nataraja:

- Delivered invited lectures on "Voice problems in singers" and "Acoustic analysis of singing voice" at a workshop held in Sangeeth Research Academy, Calcutta from 13th to 15th September 1990.
- Participated in the Workshop for paper setting conducted by University Grants Commission at New Delhi from 3-5 October 1990.
- Participated in the Workshop on "Phonetic Transcription and Analysis of Disordered Speech" at Ali Yavar Jung National Institute for the Hearing Handicapped, Bombay from 26th to 28th March 1991 and delivered a lecture on "Introduction to Acoustics Phonetics".

B N Krishna Murthy:

- Participated in deliberations of XXIII Annual Conference of the Indian Speech and Hearing Association held at Mysore from 1-3 February 1991.

Clinical Psychology:

Dr A D Bhavani:

- Attended as a delegate member Indian Speech and Hearing Association XXIII Annual Conference 1991.

Otorhinolaryngology:

Dr M V Susheela:

- Attended XXIII Annual Conference of the Indian Speech and Hearing Association held from 1-3 February 1991 at Mysore.

Dr K Rathna Sabhapathy:

- Attended International College of Surgeons (IS) under the auspices of Surgical Society of Mysore on 12th and 13th May 1990.

Dr Sunil B Bhoj:

- Attended XXIII Annual Conference of Indian Speech and Hearing Association held on 1-3 February 1991 at Mysore.

Library & Information Centre:

M V Govindarajan

- Attended Indian Association of Special Libraries and Information Centre- XIV National Seminars held on 14-17 November, 1990.

ONGOING RESEARCH ACTIVITIES

Audiology:

Dr (Miss) S Nikam, Prof. & Head, and Director incharge is the Principal Investigator for the following projects:

a) Development of audio-visual resource materials for the geriatric hearing impaired and their families at a cost of Rs.1.20 lakhs. The project is supported by HelpAge India.

Funds available from the project have been used to purchase a slide projector (Kinderman) and a video camera with accessories. These will be used to develop audio visual resource material for the hearing impaired and their families. Scripts are also prepared for recording.

b) Help the aged with communication disorders - a project supported by HelpAge, U.K. at a cost of Rs.6.95 lakhs.

Audiological evaluation was carried out for approximately 120 patients every month. A clinical audiometer, immittance audiometer and evoked response audiometry were used to find out severity and type of hearing loss. Hearing aid trial was carried out to recommend suitable hearing aids when required.

A number of projects are being carried out to compare middle latency response and late response in geriatrics and adults.

Residents of the old aged home were evaluated at the old aged home and suitable suggestion/recommendations were made for those with hearing loss.

A follow up of geriatric patients with hearing loss and geriatric hearing aid users through questionnaire was carried out.

A scale of communication function has been prepared to collect information regarding communication problem faced by geriatrics with hearing loss.

c) Better molds for more people - a proposal for upgrading earmold technology - under the scheme of Science & Technology project in Mission Mode on "Application of Technology for the Welfare and Rehabilitation of the Handicapped" at a cost of Rs.36.22 lakhs.

Materials and tools for making soft and instant earmolds were imported and most of the stages in the preparation of soft and instant earmolds are complete except for ring fixing stage. The feasibility of using these materials to make earplugs is under trial. Acoustic and other modifications of the earmold is also being carried out, along with the subjective and objective evaluations of the earmolds. Nylon rings were fabricated indigenously and they are being used.

d) To reach Speech and Hearing services to the rural:

A project in collaboration with Family Planning Association of India for the identification of Speech and Hearing problems in the rural setup was taken up with the following objectives:

(i) To give orientation to the field of workers of FPAI in the identification of speech and hearing problems.

(ii) To identify the people with speech and hearing problems in the rural setup.

Through this project it will be possible to identify rural people in need of speech and hearing services.

e) Speech and Hearing program for school children:

A pilot project to identify speech and hearing problems in school children is being conducted at J.S.S. Primary School, Mysore as a part of Silver Jubilee Celebrations of the Institute. The objectives of the project were to train the teachers to identify children in their class rooms who required professional help for their speech and hearing problems and to identify the children at an early age.

Statistics:

No. of lectures/demonstrations (7+3)	..	..	10
No. of children identified by teachers	..	..	26
No. of children identified by professionals	..	..	93
(includes children having history of middle ear infection)			

Speech Pathology:

a) The project on "A Developmental Investigation of Onset Progress and Stages of Literacy Acquisition - Its Implications for Instructional Process" submitted to the NCERT by Dr. Prathibha Karanth and Dr P Prakash, Lecturer in Psychology, Post-graduate department of Psychology, Manasagangothri, Mysore is under progress. Two Research Fellows were appointed under the project and joined duty in March 1990. A part time clerk was appointed in February 1991. Phase I of the project has been completed.

b) Project on "Production of Materials for Training" proposed by Dr Prathibha Karanth, Ms R Manjula, Ms Y V Geetha and Ms K S Prema sanctioned by UNICEF is in progress.

A workshop on "Production of materials for Language Training in Major Indian Languages" was held from 6.8.90 to 10.8.90 at the Institute. The workshop funded by UNICEF was geared towards producing language training material for the handicapped in ten Indian Languages. The Workshop was inaugurated by Prof. R Narasimhan, Senior Professor at the Tata Institute of Fundamental Research, Bombay on 6.8.90. About 25 delegates from different parts of the country participated in the workshop.

c) Project on Development of Video Recording of Speech and Hearing disordered cases for public education and training, taken up by Dr Prathibha Karanth, Ms R Manjula, Ms Y V Geetha, Ms Indira Kumari and Ms K S Prema is in progress.

d) A proposal to carryout a follow up study of cases who have attended speech therapy at AIISH Clinic proposed by Ms K S Prema and Ms Y V Geetha was approved and the work on the same has been initiated.

Projects being processed:

A project on "Developmental milestones in language Acquisition in Indian languages: Kannada and Hindi" proposed by Dr Shyamala K C is being processed by the Indian Council of Social Science Research.

Establishment of pre-school unit for the communication disordered in the therapy clinic during the year 1990-91 proposed by Ms Indira Kumari is being processed.

A proposal to hold an International Symposium on Cross Cultural Studies of Language Processes at AIISH proposed by Dr Prathibha Karanth is being processed.

A Project proposal entitled "Parent groups as agencies for Rehabilitation" proposed by Dr G Purushothama is being sent to the Ministry of Welfare for approval.

Programmes completed:

Normative data in Kannada on the joint collaborative project by the Ali Yavar Jung National Institute for the Hearing Handicapped, Bombay and the Regional Rehabilitation Training Centre, Madras on Development and Standardization of Languages and Articulation Tests in Indian Languages funded by UNICEF was carried out in the department by Ms Usha and Ms Rohini appointed as short term Research Fellows on the project, from January 1990 to March 1990 under the supervision of Dr Prathibha Karanth completed.

Speech Sciences:

A project entitled "Speech Perception, Perceptual Cues of Stop Consonants in Kannada" has been completed and the report is sent to Department of Science and Technology.

A project entitled "Speech Oriented Learning Systems for the Handicapped" sanctioned by Department of Electronics is being carried out.

A picture articulation test in Hindi to test 40 phonemes in all the possible vowel combinations was administered to sixty native Hindi speaking normal children and the norms sixty native Hindi speaking normal children and the norms were developed. Further this has been computerized.

The speech samples collected from five Hindi speaking and ten Kannada speaking hearing impaired children were digitally transformed and a computer analysis was performed to obtain six acoustic parameters; F1, F2, F3, B1, B2, & B3 and two temporal parameters: word duration and vowel duration. The speech samples of six native Hindi speaking adults in the age range of 18-25 years on Hindi articulation test were also digitally transformed and a computer analysis was performed to obtain the above acoustic parameters. Further research is in progress.

A project entitled "Computer aided differential diagnosis of laryngeal disorders" are sanctioned from Indian Council of Medical Research is being carried out.

This project aims at differential diagnosis of various laryngeal disorders with the aid of computer.

101 dysphonics (63 males and 38 females) in the age range 14-76 years have been evaluated so far on the following parameters:

Fundamental frequency in phonation and speech, extent and speed of fluctuation of fundamental frequency and intensity in phonation, fundamental frequency and intensity range in phonation and speech, rise time and fall time in phonation, maximum duration of phonation, optimum frequency, number of harmonics visible, harmonics to noise ratio, vital capacity and mean air flow rate.

Detailed case history of each dysphonic regarding age, sex, profession, vocal habits, working environment, present complaint, development and nature of the problem, treatment taken earlier was obtained. Based on this information and the parameters extracted, a proforma for voice evaluation was developed and computerized. The study is in progress.

Projects being processed:

- Speech Analysis in Indian Languages.
- Perception in Children
- Infant Cry Analysis

Clinical Psychology:

- Mr Y T Balakrishna Acharya carried out a research project on "Relationship between Stuttering and Intelligence among children".
- Dr (Miss) A D Bhavani is carrying out a research project on "Vocational assessment of the communicatively handicapped".
- Mr G Jayarama is carrying out a research project on "The Relationship between EPI and BGT".
-
- Mr Kalyan Kumar is carrying out a research project on "Consanguinity and Communicative Disorders".

Otorhinolaryngology:

Homeopathic and Ayurvedic Vs - Allopathic treatment in CSOM, SOM, Post-operative cases. Clinical chemical cauterization for small central perforation (Silver Nitrate) is in progress.

Future programmes:

- Audiological profile in metabolic disorders like (Diabetes) (Hyper tension).
- Clinical Assessment and Management of Tinnitus
- To start a Vertigo Clinic (ENG machine is under repair)
- Deaf-mutism project
- Dehydration tests in Meniere's Disease
- Use of Vinegar in Otitis Media
- To establish a Voice Clinic with fiber-optic endoscopy unit.

Electronics:

Developed the following gadgets during 1990-91:

- AIISH Communicator - An Augmentative Assistive Device for the Spastics - developed for Alternate & Augmentative Communication workshop held at AIISH jointly with the Spastic Society of India, Calcutta.
- One of the projects submitted to the District Rehabilitation Centre has been accepted. The project on 'Visual Telephone Bell Indicator' is in progress.
- It is proposed to set up a full fledged Audio Visual Unit, under the project "Better Mould" in the Institute.
- Developed some assistive devices for the disabled.
- Preparing Audio Visual Material for the benefit of rural people to be reviewed during camps.

ACCOUNTS

SUMMARY OF PROVISIONS FOR REVISED ESTIMATE 1990-91

AND

BUDGET ESTIMATE 1991-92 (NON-PLAN)

(Rs.in lakhs)

Sl No	Budget Head	B.E * 1990-91	R.E * 1990-91	B.E.* 1991-92
			Rs	Rs.
1.	Salaries & Allowances	{ Lumpsum	53.90	67.31
2.	Travel expehses	{ allocation	1.15	1.25
3.	Allowances other than travel	{ of	1.15	0.95
4.	Payment to professional services	{ Rs.50 lakhs		
			0.28	0.35
5.	Equipment		2.80	6.38
6.	Maintenance		-	-
7.	Scholarships/stipend		3.41	4.08
8.	Minor works		0.75	1.50
9.	Library & Documenation		4.00	4.25
10.	Contribution to funds (LS & PC Pension/ G.P.F. & C.P.F.interest)		4.05	4.45
11.	Loans and advances to staff		0.78	1.08
12.	Other charges		8.77	9.00
13.	Silver Jubilee Expehses		5.00	-
14.	Furniture and fixtures		1.77	1.77
Total ..		..	87.81	102.37
Receipts		..	1.81	2.37
Net demand for grants		20.00	86.00	100.00

* B.E. = Budget Estimate

* R,E. = Revised Estimate

SUMMARY OF PROVISIONS FOR REVISED ESTIMATE 1990-91

AND

BUDGET ESTIMATE 1991-92

(PLAN)

(Rs.in Lakhs)

Sl. No.	Budget Head	B.E.* 1990-91	R.E.* 1990-91	B.E.* 1991-92
			Rs	Rs
1.	Salaries	Lumpsum	10.97	17.02
2.	Allowances other than travel	allocation	0.20	0.25
3.	Travel expenses	of	0.30	0.50
4.	Contribution to funds	Rs.20.00 lakhs	-	0.30
5.	Advances to staff		1.00	1.50
6.	Furniture		-	0.25
7.	Equipment		9.18	14.00
8.	Library & Documentation		0.20	0.25
9.	Other charges		2.50	2.75
10.	Production of video tapes		1.00	0.70
11.	Major works		15.00	32.18
	Total	20.00	40.35	69.70

* B.E = Budget Estimate

* R.E = Revised Estimate

SANCTIONED POSTS & STAFF POSITION AS ON 31.3.1991

Sl. No.	Group	Sanctioned	Staff working	Vacant	Position of SC ST	
1.	Group 'A'	35	25	10	4	-
2.	Group 'B'	13	10	3	-	-
3.	Group 'C'	69	63	6	6	1
4.	Group 'D' (including Sweepers)	46	46	-	17	-
Total -		163	144	19	27	1

ADVISORY COMMITTEES

I. Official Language Implementation Committee:

- | | |
|--|------------------|
| 1. Director | Chairman |
| 2. Representative from Hindi Teaching Scheme | Member |
| 3. Mrs. H.P. Uma Saraswathi | Member |
| 4. Administrative Officer | Member-Secretary |

II. AIISH Departmental Canteen Committee:

- | | |
|------------------------|------------------|
| 1. Dr. N.P. Nataraja | Chairman |
| 2. Ms. K. Rajalakshmi | Member |
| 3. Mr. K. Purushothama | Member |
| 4. Ms. S. Sowmya Mala | Member |
| 5. Ms. V. Shubha | Member |
| 6. Mr. R. Ramesha Babu | Member |
| 7. Mr. K.M. Venkatesh | Member |
| 8. Mr. C.K. Saseendran | Member-Secretary |

III. Hostels Committee:

- | | |
|---|------------------|
| 1. Dr. Prathibha Karanth | Chairperson |
| 2. Accounts Officer | Member |
| 3. Asst. Executive Engineer | Member |
| 4. Mr. T. Keshavamurthy | Member |
| 5. Ms. J. Raguna | Member |
| 6. Ms. R. Rajalakshmi | Member |
| 7. Warden, AIISH Hostels | Member-Secretary |
| 8. 2 Representatives from Ladies Hostel | |
| 2 Representatives from Gents Hostel | |

IV. Library Committee:

- | | |
|--------------------------|------------------|
| 1. Dr. J. Bharath Raj | Chairman |
| 2. Dr. N.P. Nataraja | Member |
| 3. Mr. H.S. Satish | Member |
| 4. Mr. Prathibha Karanth | Member |
| 5. Dr. M.V. Susheela | Member |
| 6. Dr. Shailaja Nikam | Member |
| 7. Senior Accountant | Member |
| 8. Librarian | Member-Secretary |

V. Agri-Horticulture Committee:

- | | |
|------------------------------|----------|
| 1. Mr B V Aravind . | Convenor |
| 2. Dr S A Jagadish Kumar | Member |
| 3. Ms Uma Rosalind Monica | Member |
| 4. Mr C Kumaraswamy | Member |
| 5. Ms Anitha Baldevraj | Member |
| 6. Mr L Siddaiah | Member |
| 7. Mr Mahadeva | Member |
| 8. A representative of Malis | Member |

VI. Staff Welfare Fund Committee:

- | | |
|-------------------------|----------|
| 1. Dr M V Susheela | Convenor |
| 2. Mr N Ramachandra Rao | Member |
| 3. Mr D S Ramesh | Member |
| 4. Mr B Suresh | Member |
| 5. Mr G Nagarajan | Member |
| 6. Mr M Shivashankara | Member |

VII. Journal Committee:

- | | |
|---------------------------|---|
| 1. Mr Balakrishna Acharya | This Committee will be
convened by each member
by rotation. It
must meet at least once in
two months. |
| 2. Ms Vijayashree | |
| 3. Dr S R Savithri | |
| 4. Dr Sunil B Bhoj | |
| 5. Mr P Vidyasagar | |
| 6. Dr K C Shyamala | |
| 7. Ms Asha Yathiraj | |

VIII. Brochure/Annual Report Committee:

- | | |
|---------------------------------|----------|
| 1. Dr G Purushothama | Chairman |
| 2. Mr K H Radhakrishna | Member |
| 3. Ms. Sukanya/Mr K Md Fazlulla | Member |
| 4. Mr C S Venkatesh | Member |
| 5. Mr Balakrishna Acharya | Member |
| 6. Ms C S Varaja | Member |
| 7. Ms Vijayashree | Member |

IX. Internal Building Committee:

- | | |
|-----------------------------|------------------|
| 1. Director | Chairman |
| 2. Heads of Departments | Members |
| 3. Administrative Officer | Member |
| 4. Junior Engineer | Member |
| 5. Asst. Executive Engineer | Member-Secretary |

X. Additional Sub-Committee:

A. Buildings Sub-Committee (Maintenance & Facility):

- | | |
|---------------------------|----------|
| 1. Mr N Anantha Narayana | Convenor |
| 2. Mr K H Radhakrishna | Member |
| 3. Mr L Siddaiah | Member |
| 4. Ms Uma Rosalind Monica | Member |
| 5. Mr K A Nanaiah | Member |
| 6. Ms Y V Geetha | Member |

B. Visitors Sub-Committee:

July - August

Ms Basanti Devi	
Dr M V Susheela	
Mr P Kalaiah	
Mr S S Murthy	
Mr M K Seetharam	
Ms S Sowmyamala	
Ms M G Suchitra	
Mr Balakrishna Acharya	
Mr G Nagarajan	
Students	
P.I.O.	Convenor

September - October

Dr J Bharath Raj	
Dr K Rathna Sabhapathy	
Mr C S Venkatesh	
Dr G Purushothama	
Ms Y V Geetha	
Mr P Chandra	
Mr G Jayarama	
Mr S R Srinivasa	
Ms B R Chudamani	
Students	
P.I.O.	Convenor

November-December:

Mr H S Satish
Dr S R Savithri
Dr S A Jagadish Kumar
Ms Basanti Devi
Mr P Vidyasagar
Mr Kalyan Kumar
Ms K S Prema
Ms Sridevi (Res. Asst.)
Clinical Assistant (Audiology)
Students
P.I.O.

Convenor

January - February:

Dr N P Nataraja
Ms A D Bhavani
Dr Sunil B Bhoj
Ms R Manjula
Mr Antony Thomas
Ms Indira Kumari
Research Asst. (Audiology)
Mr B N Balasubramanya
Students
P.I.O.

Convenor

March - April:

Dr S Nikam
Ms Roopa Nagarajan
Dr R S Shukla
Dr K C Shyamala
Mr A Jagadish
Ms M G Suchitra
Ms C S Vanaja
Ms Asha Yathiraj
Students
P.I.O.

Convenor

Director, Administrative Officer, Publicity & Information Officer
may co-ordinate the visits.

XI. Sports Sub-Committee:

1. Dr Sunil B Bhoj	Convenor
2. Ms K S Prema	Member
3. Mr S R Srinivas	Member
4. Mr B N Balasubramanya	Member
5. Mr R Ramesh Babu	Member
6. Ms Susheela Bai	Member
7. Mr B S Gururaj	Member
8. Ms S Padmavathi Bai	Member
9. Mr C S Shanbal	Member

XII. Annual Programme Committee:

1. Dr S Nikam	Convenor
2. Dr J Bharath Raj	Member
3. Dr N P Nataraja	Member
4. Mr H S Satish	Member
5. Ms Roopa Nagarajan	Member
6. Ms. Indira Kumari	Member
7. Dr R S Shukla	Member
8. Mr Anthony Thomas	Member
9. Mr H B Ranga Rao	Member
10. Dr S A Jagadish Kumar	Member
11. Mr A N Prasad	Member
12. Ms Sukanya/Mr K MdFazlulla	Member
13. Mr B V Aravind	Member
14. Mr N Ramachandra Rao	Member
15. Ms R Shanthi	Member
16. Mr L Premkumar	Member

STAFF OF THE INSTITUTE

DIRECTOR I/C

Dr (Ms) Shailaja Nikam
i/c from 10.12.1989

AUDIOLOGY:

- | | |
|--|---|
| 1. Professor & Head | Dr (Ms) Shailaja Nikam
M.A (Psychology)
M.A. (Speech)
Ph.D (Aud. & Sp.Sc.) |
| 2. Reader in Audiology | Vacant |
| 3. Lecturer in Audiology | Dr M N Vyasamurthy
M.Sc., (Sp. & Hrg.)
Ph.D., (Sp. & Hrg.) |
| 4. Lecturer in Audiology | Mr A Jagadish
M.Sc., (Sp. & Hrg.) |
| 5. Lecturer in Audiology | Ms Roopa Nagarajan
M.Sc., (Sp. & Hrg.)
M.S. (USA) |
| 6. Lecturer in Audiology | Ms Asha Yathiraj
M.Sc., (Sp. & Hrg.) |
| 7. Lecturer in Audiology
(Lien Vacancy) | Ms K Rajalakshmi
M.Sc., (Sp. & Hrg.) |
| 8. Research Officer | Vacant |
| 9. Clinical Assistant | Ms Sowmyamala
B.Sc., B.Ed., |
| 10. Research Assistant | Ms C S Vanaja
M.Sc., (SP. & Hrg.) |
| 11. Clinical Assistant | Vacant |

- | | |
|--------------------------------|--|
| 12. Research Assistant | Ms K R Revathi
M.Sc., (Sp. & Hrg.) |
| 13. Prosthetic Dental Mechanic | Mr G Nagarajan
Dental Mechanic Course |
| 14. Junior Stenographer | Ms R Rajalakshmi, SSLC |
| 15. Clerk cum Typist | Mr S Malliah |
| 16. Clinical Attendant | Mr Narayana |
| 17. Mali | Ms Maniyamma |

SPEECH PATHOLOGY:

- | | |
|--|---|
| 1. Professor of Language Pathology
& Head | Dr Prathibha Karanth
M.Sc., (Sp. & Hrg.)
Ph.D., (Sp. & Hrg.) |
| 2. Professor of Speech Pathology | Dr G Purushothama
M.Sc., (Sp. & Hrg.)
M.S. (Sp. Edn.)
Ed.D (Spl. Edn.(USA) |
| 3. Reader in Speech Pathology | Vacant |
| 4. Reader in Language Pathology | Vacant |
| 5. Lecturer in Linguistics | Ms Basanti Devi
M.A. (Linguistics)
M.A. (English) |
| 6. Lecturer in Speech Pathology | Dr S Ravi Shankar Shukla
M.Sc., (Sp. & Hrg.)
Ph.D., (Sp. & Hrg.) |
| 7. Lecturer in Speech Pathology | Vacant |

- | | |
|--|---|
| 8. Lecturer in Language Disorders | Dr K C Shyamala
M.Sc., (Sp. & Hrg.)
Ph.D., (Sp. & Hrg.) |
| 9. Clinical Assistant
(Selection Grade) | Mr P Chandra
B.Com., B.Ed., |
| 10. Clinical Assistant | Ms Vijayashree
M.Sc., (Sp. & Hrg.) |
| 11. Research Assistant | Ms. M G Suchitra
M.Sc., (Sp. & Hrg.) |
| 12. Prosthodontic Technician | Mr B Sudarshana
PUC, Dental Mechanic
Course |
| 13. Senior Stenographer | Ms N Parimala
B.Com., Dip.in S.P. |
| 14. Clinical Attendant | Mr C Chowdaiah |

SPEECH SCIENCES:

- | | |
|--------------------------------|---|
| 1. Professor and Head | Dr N P Nataraja
M.Sc., (Sp. & Hrg.)
Ph.D., (Sp. & Hrg.) |
| 2. Reader | Vacant |
| 3. Lecturer in Speech Sciences | Dr (Mrs) S R Savithri
M.Sc., (Sp. & Hrg.)
Ph.D., (Sp. & Hrg.) |
| 4. Lecturer in Speech Sciences | Mr C S Venkatesh
M.Sc., (Sp. & Hrg.) |
| 5. Research Assistant | Ms N Sreedevi
M.Sc., (Sp. & Hrg.) |
| 6. Senior Stenographer | Ms N Parimala
B.Com, Dip.in S.P. |
| 7. Computer Operator | Vacant |
| 8. Clinical Attendant | Mr S Gopal |

CLINICAL PSYCHOLOGY:

1. Professor and Head

Vacant since i.3.91

2. Reader in Clinical Psychology

Mr P Kalaiah
M.A (Psy) D M & S.P.

3. Lecturer in Clinical Psychology

Dr (Ms) A D Bhavani
M.A. (Psy) D M & S P
Ph.D.,

4. Lecturer in Clinical Psychology

Mr P Vidyasagar
M.A. (Psy) M.Phil -
M & S P

5. Lecturer in Clinical Psychology

Vacant

6. Assistant Lecturer

Mr Antony Thomas
M.A (Psy)
M.Phil

7. Clinical Psychologist

Vacant

8. Clinical Assistant

Mr G Jayarama
M.A. (psy)
M.Phil

9. Research Assistant

Mr Y T Balakrishna
Acharya
M.A. (Psy)

10. Clinical Assistant

Mr Kalyana Kumar
M.A. (Psy)

11. Senior Stenographer

Mr T Keshavamurthy
M.A.,

12. Electrician

Mr M B Sadananda Murthi
SSLC, I.T.I.

13. Peon

Mr S Siddiah

OTORHINOLARYNGOLOGY:

- | | |
|---------------------|---|
| 1. Professor & Head | Dr(Ms) M V Susheela
M.B.B.S., D.L.O., M.S.(ENT) |
| 2. Reader | Dr.K.Rathna Seshapathy
M.B.B.S., D.L.O., M.S.(ENT) |
| 3. Lecturer | Dr. Sunil B.Bhoj
M.B.B.S., M.S.(ENT) |
| 4. Lecturer | Dr. S.A. Jagadish Kumar
M.B.B.S., M.S.(ENT) |
| 5. Lecturer | Vacant |
| 6. Staff Nurse | Ms.M.G. Mariamma,
Dip. (Gen. Nursing and
Midwifery) |
| 7. Staff Nurse | Ms. J. Raguna,
Dip. (Gen. Nursing &
Midwifery) |
| 8. Staff Nurse | Ms. Uma Rosalind Monica
Dip. (Gen. Nursing &
Midwifery) |
| 9. L.D.C. | Ms. Nagalakshmi B.A., |
| 10. Ayah | Mr. V. Raju. |
| 11. Ward Boy | Mr. Anantha Swamy |

ELECTRONICS:

- | | |
|-------------------------------------|------------------------------------|
| 1. Electronics Engineer and Head | Mr. H.S.Satish, B.E., |
| 2. Lecturer | Mr. S.S. Murthy, M.Sc., (T) |
| 3. Electronics Engineer | Mr. M.K.Seetharam,
B.Sc., B.E., |
| 4. Jr. Technical Officer | Ms. B.R. Chudamani, B.E., |
| 5. Jr. Technical Officer | Mr. S.R.Srinivasa, B.E., |
| 6. Mt. Technical Officer | Mr. B.N.Balasubramanya,
B.E., |
| 7. Jr. Stenographer (Kannada) | Ms. V.Shubha, B.A., |
| 8. Electrician | Mr. Prakash,
Wireman Examn. |
| 9. Lab. Attendant | Mr. Eshwara |
| 10. Peon | Mr. M. Shivashankara |

THERAPY CLINIC:

- | | |
|-------------------------------|--|
| 1. Clinical Lecturer | Ms. R. Manjula
M.Sc (Sp. & Hrg) |
| 2. Clinical Supervisor | Ms. Y.V.Geetha
M.Sc., (Sp. & Hrg.) |
| 3. Itinerant Speech Therapist | Ms. Indira Kumari
B.Sc., (Sp. & Hrg.) |
| 4. Clinical Assistant | Ms. K.S.Prema,
M.Sc., (Sp. & Hrg.) |
| 5. L.D.C. | Mr. Prema Kumar |
| 6. Daftry | Mr. B.Siddaiah |

LIBRARY AND INFORMATION CENTRE:

- | | |
|----------------------------|--|
| 1. Librarian | Mr M V Govindarajan
M.A. B.Lib.Sc., |
| 2. Cataloguer | Mr M Mahadeva
M.A., B.Lib.Sc., |
| 3. U.D.C. | Mr G H Anandaram B.B.M. |
| 4. Jr. Documentation Asst. | Mr P Shivaprakash |
| 5. Library Assistant | Mr R Ramesh Babu
B.Com., Cert.in Lib.Sc., |
| 6. Library Attendant | Mr K Chowdaiah |
| 7. Clinical Attendant | Mr S V Prakash |

MEDICAL RECORDS:

- | | |
|----------------------------------|--|
| 1. Asst. Medical Records Officer | Mr C D Shanbal
B.A., M.R.T Course
Med. Coding Course |
| 2. Asst. Medical Records Officer | Mr B S Gururaja
B.Sc., D.M.R. MRT Course |
| 3. Peon | Mr R H Venkatarama Gowda |

-32-

GENERAL ADMINISTRATION:

1. Administrative Officer
(under suspension w.e.f.
15.10.90)

Mr S Shankar
M.A. (Pub.Admn.)
M.A. (Pol.Sc.)
BL., R.B.V.

DIRECTOR'S OFFICE:

1. P.A. to Director

Ms S Padmavathi Bai
M.A.,

2. L.D.C.

Mr Md. Kaleemulla

3. Peon

Mr Bhim Bahadur

ACCOUNTS SECTION:

1. Accounts Officer

Mr S Varadarajan B.A.,

2. Senior Accountant

Mr S L Vijayanarasimha
B.Com.,

3. Accountant

Mr K Purushothama
B.Com., LL.B.,

4. Accountant

Mr A N Prasad
B.Com., LL.B.,

5. L.D.C.

Mr R Kannan

6. L.D.C.

Mr C Mallikarjunaiah
B.A.,

7. L.D.C.

Mr B Suresh

8. Clinical Attendant

Mr S Subramanya

OFFICE & OTHERS:

- | | |
|------------------------------|---|
| 1. Office Superintendent | Mr K H Radhakrishna
B.Com., M.A., Dip.in
Stenography |
| 2. Hindi Translator | Ms H P Umasaraswathi
B.Sc., M.A., RBP
Dip.in Translation |
| 3. Artist-cum-Photographer | Mr G V Ganeshaiah
Kalanipuna Diploma |
| 4. U.D.C. | Mr N Ramachandra Rao |
| 5. U.D.C. | Mr G R Prakash
Dip.in Co-Operation |
| 6. U.D.C. | Ms Anitha Baldevraj
B.A., Dip.in Office
Organisation and
Procedure |
| 7. Junior Stenographer | Ms H Sudha |
| 8. Junior Stenographer | Ms Susheela Bai |
| 9. Staff Car Driver | Mr M K Ramappa |
| 10. Hindi cum English Typist | Ms R Shanthi |
| 11. L.D.C. | Mr C Kumaraswamy |
| 12. Receptionist | Ms S V Anusuya B.A.,
B.Ed., R.B.V. |
| 13. Omni Bus Driver | Mr Govinda Shetty |
| 14. Sr Gestetner Operator | Mr Madhu |
| 15. Peon | Mr Hobaliah |
| 16. Peon | Mr Basavalingaiah |
| 17. Peon | Mr K M Venkatesh |

PERSONNEL CELL:

- | | |
|-------------------------------|--------------------------|
| 1. U.D.C. | Mr N S Subramanya, M.A., |
| 2. Jr. Stenographer (Kannada) | Ms V Shubha, B.A., |

STORES:

- | | |
|----------------------|--|
| 1. Stores Supervisor | Mr L Basavaiah, M.A., |
| 2. Store Keeper | Mr D S Ramesh, B.B.M., |
| 3. U.D.C. | Ms B V Jyothi, B.Com.,
Sr. Steno in English |
| 4. L.D.C. | Vacant |
| 5. Packer | Mr R K Anilkumar |

INTERNAL AUDIT CELL:

- | | |
|------------------------|-----------------------------|
| 1. Asst. Audit Officer | Mr C K Saseendran
B.Sc., |
| 2. Auditor | Mr B D Achuta Rao |

ENGINEERING DIVISION:

- | | |
|-----------------------------|----------------------|
| 1. Asst. Executive Engineer | Mr S B Ranga Rao |
| 2. Assistant Engineer | Vacant |
| 3. Junior Engineer | Mr N Ananthanarayana |
| 4. U.D.C. | Mr N Ramachandra Rao |
| 5. Draughtsman | Vacant |
| 6. Peon | Mr D Krishnaiah |

PUBLICITY & INFORMATION:

1. Publicity & Information Officer

Mr K Md. Fazlulla
M.A., B.L.,

HORTICULTURAL SECTION:

1. Asst. Horticultural Officer

Mr B V Aravind
B.Sc.,

2. Mali

Mr Mahadeva

3. Mali

Mr Papanna

4. Mali

Mr Madiah

5. Mali

Mr B Krishna

SECURITY:

1. Security Officer

Vacant

2. Care taker

Mr L Siddiah M.A.,

3. Watchman

Mr Thimmappa

4. Watchman

Mr Dasappa

5. Watchman

Mr Padam Bahadur

6. Watchman

Mr S Shivappa

7. Watchman

Mr M Kannappa

8. Watchman

Mr Cheluvaraya Setty

SANITATION:

1. Sweeper

Ms D N Padma

2. Sweeper

Mr Ramachandra

3. Sweeper

Ms Amasamma

4. Sweeper

Mr Sannaranga

5. Sweeper

Mr Palani Swamy

6. Sweeper

Mr Kanna

DEPARTMENTAL CANTEEN:

- | | |
|---------------------------|-------------------|
| 1. U.D.C. | Mr M B Shankar |
| 2. Manager cum Salesman | Vacant |
| 3. Counter clerk cum cook | Vacant |
| 4. Coffee-Tea Maker | Mr Gaviyappa |
| 5. Bearer | Mr Bheema |
| 6. Clinical Attendant | Mr B R Basavaraja |
| 7. Wash Boy | Mr Hanumantha |

AIISH HOSTELS:

- | | |
|-------------------|-----------------|
| 1. Ladies Hostel: | |
| a) Cook | Ms T N Gowramma |
| b) Cook | Ms Ramamani |
| c) Helper | Ms Papamma |
| 2. Gents Hostel: | |
| a) Cook | Mr K. Ramaswamy |
| b) Cook | Mr Mahadeva |
| c) Cook | Mr P Ramaswamy |
| d) Helper | Vacant |

PROJECT STAFF:

Better Mold Project (Department of Audiology):

- | | |
|-----------------------|--|
| 1. Research Officer | Ms P Manjula
M.Sc., (Sp. & Hrg.) |
| 2. Research Officer | Ms B Hemalatha
M.Sc., (Sp. & Hrg.) |
| 3. Research Assistant | Ms Ramadevi Sreenivas
B.Sc., (Sp. & Hrg.) |
| 4. Research Assistant | Vacant |

- | | |
|---------------------|-----------------------|
| 5. Jr. Stenographer | Mr R K Sridhar |
| 6. Technician | Mr M Nagaraju |
| 7. Lab Assistant | Mr M Basavaraju B.A., |
| 8. Lab Assistant | Mr S Shivanna B.A., |

N.C.E.R.T. Project : (Department of Speech Pathology):

- | | |
|--------------------|-----------------------------|
| 1. Research Fellow | Ms D Rekha, M.A., |
| 2. Research Fellow | Ms. Vasanth Kumari
M.A., |
| 3. Part-time Clerk | Ms S Lalitha |

CADDLD Project: (Department of Speech Sciences):

- | | |
|---------------------|---------------------------------------|
| 1. Research Officer | Ms HS Sreedevi
M.Sc., (Sp. & Hrg.) |
|---------------------|---------------------------------------|

SOLSH Project: (Department of Speech Sciences):

- | | |
|-----------------------|---|
| 1. Research Officer | Mr B N Krishnamurthy
M.Sc., (Sp. & Hrg.) |
| 2. Research Assistant | Ms Rohini
M.Sc., (Sp. & Hrg.) |

VISITING SPECIALISTS FROM K.R.HOSPITAL:

- | | |
|-----------------------|--------------------|
| 1. Hon. Physician | Dr G S Venkatesh |
| 2. Hon. Paediatrician | Dr G S Mohan Reddy |
| 3. Plastic Surgeon | Dr D R Shekar |
| 4. Physiotherapist | Mr R Papaiah |

TEACHING STAFF FROM GOVT. MEDICAL COLLEGE: MYSORE (part -time)

- | | |
|--------------------|---|
| 1. Neurology | Dr G S Venkatesh
Prof. & HOD of Medicine |
| 2. Physiology | Dr K Raghothama Rao
Professor & Head
Deptt. of Physiology |
| 3. Pathology | Dr T M Kariappa
Asst. Prof. of
Pathology |
| 4. Anatomy | Dr Saraswathi/
Dr Nanjaiah
Senior Professors
Deptt. of Anatomy |
| 5. Plastic Surgeon | Dr D R Shekar
Asst. Prof. of
Plastic Surgery |

TEACHING STAFF FROM C.I.I.L (Part-time):

- | | |
|-------------|--|
| 1. Kannada | Dr P P Giridhar
Lecturer/Jr.Res.officer |
| 2. Kashmiri | Smt Lalitha Handoo
Research Assistant |

APPOINTMENTS:

- | | | |
|----------------------|----------------------|---------|
| 1. Research Officer | Ms H S Sreedevi | 27.7.90 |
| 2. Research Officer | Mr B N Krishnamurthy | 17.8.90 |
| 3. Mali | Ms Maniyamma | 13.7.90 |
| 4. Library Attendant | Mr K Chowdaiah | 13.7.90 |

5. Technician	Mr M Nagaraju	8.8.90
6. Research Assistant	Ms K R Revathi	31.8.90
7. Research Assistant	Ms H Rohini	21.9.90
8. Research Assistant	Ms Geetha Rao D	24.9.90
9. Omni Bus Driver	Mr Govinda Setty	24.9.90
10. Auditor	Mr B D Achuta Rao	25.1.91
11. Lab Assistant	Mr M Basavaraju	25.1.91
12. Lab Assistant	Mr S Shivanna	28.1.91
13. Part-time-Clerk	Ms S Lalitha	6.2.91

VOLUNTARY RETIREMENT:

1. Omni Bus Driver	Mr A Jesurathnam	5.9.90
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RETIRED:

1. Prof. & Head - Clinical Psychology	Dr J Bharath Raj	28.2.91
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RESIGNATION:

1. Security Officer	Mr K A Nanaiah	25.1.91
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RELIEVED:

1. Officiating PIO	Ms Sukanya (Relieved on reporting of the permanent incumbent)	5.9.90
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PROMOTION:

1. Lower Division Clerk	Mr L Premkumar	6.4.90
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EXPIRED:

1. Manager-cum-Salesman	Mr Mayanna	22.12.90
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SUSPENSION:

1. Administrative Officer	Mr S Shankar	15.10.90
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REINSTATED:

1. Publicity & Information Officer	Mr K Md. Fazlulla	6.9.90
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