



ANNUAL REPORT
1991-92

ALL INDIA INSTITUTE OF SPEECH AND HEARING



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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 accords 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

(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 interested

(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 funds 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 for the same.

property either movable or immovable and to grant such rights and privileges to the donors, subscribers and other benefactors as the society may consider fit and proper;

(d) To invest and deal with funds and money of the Society;

(e) To subscribe to, or become a member of or to cooperate or amalgamate with any other association or society whose objects are similar;

(f) To sell, assign, mortgage, lease, exchange and otherwise transfer or dispose of all or any property, movable or immovable of the Society for the furtherance of its objects or any of them, provided prior approval of the Central Government is obtained for the 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^s and gratuity for the benefit of the employees of the Society;

(j) To pay all costs, charges and expenses incurred in the promotion, formation, establishment and registration of the Society;

(k) To do all such other lawful acts, deeds, things, either alone or in conjunction with other organisation or persons as the society may consider necessary, incidental or conducive to the attainment of the above mentioned objects 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.

EXECUTIVE COUNCIL:

Sri M.L.Fotedar
Hon'ble Union Minister
for Health & Family Welfare
Nirman Bhavan
NEW DELHI 110 011 Chairman

Sri G Puttaswame Gowda
Hon'ble Minister for
Health & Family Welfare
Government of Karnataka
Vithana Soudha
BANGALORE 560 001 Vice-Chairman

Dr (Mrs) Selvi Das/
Dr M Madaiiah
Vice-Chancellor
University of Mysore
Crawford Hall
MYSORE 570 005 Member

Sri B L Misra, IAS
Secretary to Govt. of India
Ministry of Health &
Family Welfare
Nirman Bhavan
NEW DELHI 110 011 Member

Mrs Ahluwalia, IAS
Joint Secretary (FA)
Government of India
Ministry of Health &
Family Welfare
Nirman Bhavan
NEW DELHI 110 011 Member

Mr G.K.Viswakarma/
Dr I S Bisht (PH)
Director General of Health
Services, Nirman Bhavan
NEW DELHI 110 011 Member

Sri U P Singh, IAS
Jt. Secretary to Govt. of India
Ministry of Welfare
Shastri Bhavan
NEW DELHI 110 011 Member

Sri K L Negi, IAS
Secretary to Govt. of Karnataka
Dept. of Health & Family Welfare
Multistoreyed Building
BANGALORE 560 001 Member

Dr Anantha Raj
Director of Medical Education
Government of Karnataka
Ananda Rao Circle
BANGALORE 560 009. Member

Dr H M Channabasavanna
Director
National Institute for Mental
Health & Neuro Sciences
BANGALORE 560 029

Member

Mrs. Rekha Roy
Director
Ali Yavar Jung National Institute
for the Hearing Handicapped
K.C.Marg, Bandra Reclamation
Bandra (West)
BOMBAY 400 050

Member

Dr S K Viswakarma
Professor & Head,
Department of ENT
Guru Teg Bahadur Hospital
Sahdara
DELHI 110 032

Member

Dr M V Susheela
Professor & Head - ENT
AIISH, Mysore 570 006

Member

Dr (Miss) Shailaja Nikam
Director, AIISH,
MYSORE 570 006

Member-Secretary

FINANCE SUB-COMMITTEE:

Sri Madhu Sudan Dayal, IAS
Additional Secretary (Health)
Ministry of Health & Family
Welfare, Nirman Bhavan
NEW DELHI 110 011

Chairman

Mrs Abdulwalia, IA & AS
Joint Secretary (FA)
Ministry of Health & Family
Welfare, Nirman Bhavan
NEW DELHI 110 011

Member

Dr G K Vishwakarma
Director General of Health
Services, Government of India
Nirman Bhavan
NEW DELHI 110 011

Member

Sri K L Negi, IAS
Secretary to the
Government of Karnataka
Department of Health &
Family Welfare,
Multi-storied Building
Dr B R Ambedkar Road
BANGALORE 560 001

Member

Dr H M Channabasavanna
Director
National Institute for Mental
Health & Neuro Sciences
BANGALORE 560 029

Member

Dr (Miss) Shailaja Nikam
Director, AIISH, Mysore

Member-Secretary

ACADEMIC SUB COMMITTEE:

Deputy Director General of Health
Services (Medical Education)
Government of India
Nirman Bhavan
NEW DELHI 110 011

Chairman

Dr A K Mukherjee
Adml. Director General of
Health Services
(Medical Education)
NEW DELHI 110 011

Member

The Director Medical Education
Government of Karnataka
BANGALORE 560 009

Member

Dr Lakshmi Bai
Principal
Govt Medical College
Mysore

Member

Representative of University of Mysore
Mysore 570 005

Member

Heads of Departments:
Audiology, Speech Pathology,
Speech Sciences, ENT, Clinical Psy-
chology, Electronics
AIISH, Mysore 570 006

Members

Dr Shailaja Nikam
Director
AIISH, Mysore.

Member-Secretary

ORGANISATIONAL CHART

ALL INDIA INSTITUTE OF SPEECH & HEARING: MYSORE-6

EXECUTIVE COUNCIL

FINANCE SUB-COMMITTEE

ACADEMIC SUB-COMMITTEE

DIRECTOR

ACADEMIC

NON-ACADEMIC

Speech Pathology
Speech Science
Clinical Psychology
ENT Psychology
Electronics
Lib. & inf. centre

Therapy Clinic

Medical Records

Admn. Accts. Internal Audit
Engineering Sec.
Publ. & Inf.
Hort. & Agriculture
Security
Dept. canteen
Hostels

HIGH LIGHTS - 1991-92: AN YEAR IN RETROSPECT

I. visit of dignatories:

The main highlight of the year was the visit of the Chairman, Executive Council and the Hon'ble Union Minister of Health and Family Welfare, Government of India, Sri M L Fotedar to the Institute on the occasion of the valedictory of the Silver Jubilee celebrations of the Institute.

The Hon'ble Union Minister was gracious in consenting to lay the foundation stone for the extension of the Ladies Hostel. Our beloved Chairman, along with the Vice-Chairman, Sri G Puttaswamy Gowda, the Hon'ble Minister for Health and Family Welfare, Govt. of Karnataka went round the Institute and showed very keen interest in the activities of various departments.

On the same day, i.e., 5th October, the Hon'ble Minister of Health and Family Welfare, Sri M L Fotedar was the Chief Guest at a colourful function held at the Maharaja's College Centenary Hall marking the valedictory of the year long Silver Jubilee celebrations. Sri G Puttaswamy Gowda presided over the function.

Sri S M Krishna, Hon'ble Speaker of the Karnataka Legislative Assembly participated as the Chief Guest for the 26th Anniversary of the Institute.

II. Meetings:

(a) Review Committee Meeting: For the first time, the Ministry of Health and Family Welfare has set up Review Committees to review the working of the various institutions. The first Review Committee Meeting of the Institute was held in June 1991 followed by the second one in October 1991. In general, the activities of the Institute were appreciated by the members of the Committee and guidelines were given regarding the distribution of grants allotted to the Institute.

(b) The commendable feature of the year under report is that all the Committees i.e., Executive Council, Finance Sub-Committee and the Academic Sub-Committee met during the year to transact the business of the institute

WHICH ARE AS FOLLOWS:

- i) Modification of some of the bye-laws of the Institute so that the Institute activities can be conducted with greater ease and convenience and also in keeping pace with the changing trends;
- ii) Permission for conducting short-term courses and orientation programmes on payment of nominal charges;
- iii) Levy of charges:
 - levying of registration fee for the patients;
 - charge for issue of certificates;
 - library charges for external members
- iv) Introduction of scholarship scheme instead of stipends to students.

III Revenue and Expenditure:

Every effort was made to reduce the expenditure at the Institute. Notable among these were: the postage, telephone and in the use of vehicles. Wherever there was scope for generation of revenue, the sources were identified. Water meters were installed in the residential quarters and charges were collected as per the water meter reading instead of nominal charges as was collected previously. As a result, consumption-wastage of water has come down to a significant extent.

The efforts to generate additional revenue for the Institute were fruitful. Sources hitherto unconnected with AIISH such as KSIIDC and various banks come forward to donate generously and the Govt. of Karnataka made available the funds for printing public education pamphlets and for the fabrication of the mobile unit for evaluation purposes.

Our attempts to reduce the discrepancy between the revenue and expenditure have been two-fold. On the one hand, an increase in the annual budget is anticipated and additional sources of revenue have been identified and the necessary sanctions for implementing the schemes are being obtained. Where the efforts could be fruitful, the expenditure has been pruned without effecting the activities qualitatively.

IV Service activities:

Breaching the barriers between the common man and the Ivory Tower of the elite, the Institute has taken the expertise and technology to the rural population by training the rural technicians in the repairs of the sophisticated electronic gadgets/such as the hearing aids and in making ear moulds (an accessory used with hearing aids). For better understanding and management of the problems of the speech and hearing handicapped, a number of short-term training programmes have been planned for the parents, teachers and the industrialists.

The concern for the communicatively handicapped does not stop at providing professional services but extends to implementing several welfare measures. As in the previous years, financial assistance was given to the economically weaker section of the patients, from the Patients Welfare Fund.

To increase public awareness regarding speech and hearing problems and their prevention, slides have been prepared and screened in the cineme theatres in Mysore city. Audio and video cassettes are also being made available to patients and their guardians for better understanding of their problems of speech and hearing.

The Institute has joined hands with the voluntary organisations such as the Lions, the Rotary, the Inner Wheel, Round Table for community service and to involve the community itself for the welfare of the handicapped. Wheel chairs, special furniture for the cerebral palsied are some of the items donated through these agencies.

V Ecology and Environment:

The Institute has shown concern for its environment.

The Horticultural section of the Institute put up a grand show and won several prizes in various categories in the annual Dasara Horticultural Show. Besides maintaining an ornamental garden, the staff has intensified efforts in planting more trees and making fruits and vegetables available at competitive rates.

A new outlook has emerged through landscaping, extensive tree plantation and attention for cleanliness within and

VI Administration:

All efforts were made to streamline the administrative procedures so that the functions of the various departments/sections/units could proceed with minimum delay and maximum efficiency.

The training section was revamped with the result that the work related to examinations, announcement of results, admissions could be done with least inconvenience to the teachers and students.

The staff at various levels were given greater scope as well as responsibilities in achieving the objectives of the Institute. The Advisory Committees that were setup in the previous years were activated. The Committees met regularly and were of immense help in achieving the targets set forth for the year. Thus, the manpower resources available at the Institute was put to use to the fullest extent so that they not only contributed individually, but also worked well as a dedicated team. This was exemplified in the successful conduct of the various activities in connection with Silver Jubilee celebrations.

VII The Press and the Media:

The press and the media was very helpful in projecting a positive image of the Institute to the public as an institution concerned with the welfare of the handicapped.

Ample opportunities were provided to the speech and hearing impaired children to participate in the cultural activities, sports and games organised by the institute and by other agencies. Occasions such as the Anniversary Celebrations of the Institute and other national and international events such as the World Day of the Disabled; World Day of the Deaf; Teachers Day, Children's Day etc. The shows were a veritable feast for the ears and eyes. The 'All India' character of the institute comes to the fore especially on such occasions.

Our students have not only attracted Youth Organisations to take up community service projects, but also they have actively participated in blood donation drives.

for the inmates of oldage homes. They are also members of Youth organizations like the Rotaract, etc. It is inculcated in them that the wisdom that makes one wise is the wisdom to serve.

VISITORS:

Ms. Alok Guha, Director, Spastics Society of Tamil Nadu, Madras on 21.5.1991.

Prof. R. K. Oza, Speech Pathologist and Audiologist, Bombay participated as an Examiner in connection with the Viva examination for adjudication of a Ph.D., thesis at Mysore on 26.10.1991.

Dr. Baljit Kaur, Reader, Department of Child Welfare and Human Development, University of Baroda during November 1991 and had discussions on Learning Disability.

Dr. D. S. Gopal, Assistant Professor, University of California, Santa Barbara, USA demonstrated the use of software on Speech analysis and synthesis.

The staff from the Indian Institute of Technology, Madras in connection with SOLSH project to modify the computerized therapy programme.

TRAINING PROGRAM

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 B.Sc., M.Sc. and Ph.D 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.

Involved in the training programme are full time staff of the Institute and part time staff from the Mysore Medical College and Central Institute of Indian Languages, Mysore. The subjects taught reflect the complexity of human communication and its disorder and the multidisciplinary nature of its diagnosis and treatment. Lectures and demonstrations by eminent scientists and scholars from both within and outside the country have enriched the training programme.

Resource material for our student trainees include books, periodicals, journals, audio-visual materials such as audio cassettes, slide-cum-tape programme, video cassettes, films which are available in the Library and Information Centre of the Institute. A full fledged clinic and well equipped laboratories provide ground for practical training, clinical services include comprehensive evaluation of the patients in several departments.

On approval of the Merit list by the Selection Committee constituted for the purpose which met on 5.7.1991 for B.Sc., and on 20.8.1992 for M.Sc., total number of students admitted to I B.Sc. and I M.Sc. (Speech and hearing) courses during 1991-92 were as follows:

	<u>I B.Sc.</u>	<u>I M.Sc.</u>
1991-92	27	23
Cumulative	437	272
Total	<u>464</u>	<u>295</u>

Number of students undergoing training:

Class	Gen. Category		SC/ST		Foreign		Nationality	Total
	M	F	M	F	M	F		
I B.Sc.	7	16	-	3	-	1	Dubai, UAE*	27
II B.Sc.	6	20	1	2	-	1	Malaysia*	30
III B.Sc.	4	21	2	1	-	2	Kuwait* Malaysia*	30
I M.Sc.	8	12	2	1	-	-		23
II M.Sc.	4	15	1	3	-	-		23

*Non-stipendary

One I.M.Sc. student and one II M.Sc. student had shortage of attendance because of their illhealth and discontinued their course. They will repeat the course in the next academic year.

Doctoral program:

No. of Ph.D Awarded	-	1
No. of candidates submitted-	2	
No. of candidates registered for Ph.D degree	-	2
No. of faculty recognised to guide Ph.D	-	1

Number of students who were awarded degrees in B.Sc. and M.Sc. in Speech and Hearing during 1991-92.

	<u>I Class</u>	<u>II Class</u>	<u>Total</u>
B.Sc.	9	13	22
M.Sc.	11	10	21

NSC Activities:

As in the previous years, the NSC program was very popular with the students. During the year 1991-92, the following activities have been carried out under NSC program:

1. Sanitary Works: "Cleaning premises of Ladies and Gents Hostels were done twice during the year. Cleaning of Institute premises and preparation of Institute playgrounds were also carried out by NSS volunteers.
2. Blood Donation Campaign: Blood donation was done for 5 patients by NSS volunteers during the year.
3. Survey: An unique combination of speech and hearing handicapped survey along with the door-to-door "Ellu-Bella" distribution on the occasion of 'Makara Sankranti' was carried out at Bogadi village on 15.1.1992.
4. Adventure Program: 30 student volunteers along with the National Service Scheme Program Officer carried out a Trekking program to "Kumara Parvatha" - a range of 5 mountains near Subramanya, D.K. on 1.2.1992 and 2.2.1992.
5. Literacy Program: 5 adults are receiving training under adult education program by 5 student volunteers of the Institute.

SHORT TERM TRAINING PROGRAM:

April 1991

3 day training program on mold preparation.

October 1991

Orientation courses for doctors from the Institute of Aviation Medicine and one ENT Doctor from Bangalore Medical College were conducted.

November 1991

Course on Speech stimulation and management of communication disorders for the multiply handicapped children for allied professionals at Spastics Society of Tamil Nadu, Madras conducted by Department of Speech Pathology.

December 1991

Workshop on Speech and Language stimulation, Thakur Hariprasad Institute of Research and Rehabilitation for the Mentally Handicapped at Hyderabad conducted by the Department of Speech Pathology.

The following short-term training courses are proposed to be held:

1. Language Assessment in Children and Adults (Refresher Course)
2. Early identification of communication disorders for teachers.
3. Identification and Management of children with Communication Disorders in regular schools for school teachers.
4. Management of Communication Disorders in Mentally Retarded children for parents.
5. Short term course in Psycho and Neurolinguistics for allied professionals - Psychologists, Linguists, Neurologists and Speech-Language Pathologists.

GUEST LECTURES:

Dr. H.S. Copal, Asst. Professor, University of California, Santa Barbara, USA demonstrated Digital Taperecorder and its application in November 1991 and delivered 2 lectures on Speech Analysis and Synthesis during January 1992.

Meetings:

Selection Committee Meeting for admission to B.Sc. - 5.7.1991

Selection Committee Meeting for admission to M.Sc. - 20.8.1991.

Board of Studies Meeting - 27.1.1992.

Board of Examination (B.Sc. Speech and Hearing) - 2.4.1992.

- 10 -

DEPARTMENT OF AUDIOLOGY

General

Twenty three Independent projects were completed and 22 are in progress. Wherever possible the staff have been assigned specific responsibilities in the following functional units.

- A) Physiological/Electrophysiological Test Unit
- B) Sensory Aids Assessment Unit
- C) Prosthetic Aids R&D Unit
- D) Maintenance, Calibration and Fabrication Unit
- E) Early Identification Unit
- F) Rehabilitation, Counselling and Demonstration Unit

Two of the staff members in the Departments are working for their doctoral degrees, entitled (i) CONTRIBUTOR FACTORS/ THE INTEGRATION OF HEARING-IMPAIRED CHILDREN IN REGULAR SCHOOL (Asha Yathiraj); (ii) DESCRIPTIVE STUDY OF THE SIGN LANGUAGE OF THE DEAF (K.Rajalakshmi).

Information on recent publications in the field was obtained.

Latest price list and catalogues of equipment related to the speech and hearing fields are procured to ensure regular acquisition of latest professional equipment for both diagnostic and rehabilitation purposes.

Diagnostic

i) Hearing Evaluation

All patients registered at the Institute are evaluated in the Department during initial as well as on subsequent visits. Cases who are eligible for receiving aid under the various schemes of both the Central and the State Government were issued necessary certificates for benefits such as pension, school admission, scholarship, employment, etc. Copies of the audiograms were given to the cases on request and appropriate referrals were made whenever required.

The instruments used for hearing evaluation are periodically calibrated to ensure that they work as per specifications.

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 a predominant speech disorders, mental retardation, tinnitus or vertigo for whom hearing evaluation is also done as a routine.
- (4) Those who need certificates to receive pension/tax exemption/housing scheme/admission to deaf school/language exemption/education scholarship/employment that they are eligible for.

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

- (1) Diagnostic audiometers (CS-10; GS-16; Arphi Digital SC0; Danplex A367; AS72; Clinical audiometer Madsen OB 822).
- (2) Immittance audiometers (Madsen Z377 MB and ZO 174).
- (3) ERA (Teledyne Avionics EA-1000; Nicolet Compact Auditory System).

ii) Hearing Aid Trial:

Hearing aid selection for patients is made from the array of models that are available for trial at the Department. The following types of hearing aids are being used for trial purpose (1) body level (2) Spectacle type AC/BC and (3) behind-the-ear.

Functional gain measurements and/or insertion gain measurements were used to select the appropriate hearing aid for an individual. Insertion gain measurements have been useful especially when fitting individuals with high frequency hearing losses, and to check the efficiency of earmold modifications such as venting, varying the canal length, bore diameter, use of dampers, etc.

Hearing aid testing has been carried-out for patients who came from a wide range of background including illiterates and illiterates, individuals from rural as well as urban areas; individuals belonging to different socio-economic status; different age groups, both male and female. Prescriptions were given to those individuals for whom hearing aids were found useful.

In addition to selecting hearing aids, cases were counselled regarding speech reading, auditory training, and were demonstrated the use of hearing aids. Tips on maintenance and double shooting the hearing aids were also given to patients.

The patients who use the telephone were given practice in actual use of the hearing aid with a telephone. For training, the telephones available in the Institute premises were made use of.

Hearing aid manufacturers periodically replaced the hearing aids supplied by them for trial purposes. Electro-acoustic measurements were made periodically for all hearing aids which are available for trial purposes.

In addition to the above, the Hearing Aid Trial Section was also engaged in

1. Periodic checking of the hearing aids, calibration and maintenance of other instruments.
2. Recommendation of assistive listening devices and ear protective devices.
3. Issue of certificates to get the driving license.
4. Issue of certificates of hearing aid benefit for employment purposes.
5. Issue of medical reimbursement forms.

iii) Earmould Lab:

Custom made earmoulds are necessary for all those wear a hearing aid. So, as a routine the cases who were advised to wear a hearing aid were directed to the earmould lab to give their ear impressions. A regular mould is usually worn along with almost all types of body level hearing aids. Different types of moulds, such as full

Swimmers earmoulds were also made for a few individuals. Different types of modifications such as replacement of tube, shortening the canal portion etc. were made whenever indicated.

iv) Therapy activities:

Guidance regarding speech reading, auditory training was given to parents/patients attending speech therapy at the Institute and to those who train their children at home.

v) Counselling:

All the patients who have been prescribed hearing aids were counselled regarding the use, care and maintenance of hearing aids and earmoulds.

Patients were also counselled regarding followup, visits, use of ear protective devices, continued exposure to loud noise, educational placement of the hearing-impaired child.

STAFF ACTIVITIES:

Dr. (Miss) S.Nikam

Membership:

- Chairperson- Board of Studies (Sp. & Hg.), University of Mysore.
- Chairperson- Board of Studies (Sp. & Hg.), University of Mysore.
- Convenor - Panel on Hearing Aids and Audiometer, ISI, New Delhi.
- Member - Acoustical section Committee, ISI, New Delhi.
- Member - General Council, AYJNIHH, Bombay.
- Member - Selection Committee and DPC, AYJNIHH, Bombay.
- Member - Technical Advisory Group, DRC, Min. of Welfare, GOI.
- Member - University College of Sri Padmavathi Mahila Visvavidyalayam, Tirupati in connection with BOS meeting in B.Ed. Special Education.
- Member - Rehabilitation Council, New Delhi.
- Member - Secretary - Academic Sub-Committee, Finance Sub-Committee and Executive Council, AIISH, Mysore.
- Member - International college of Rehabilitative Audiology.

Others:

Mrs. Asha Yathiraj:

Gave a lecture to 25 teachers at RCE, Mysore on
- HEARING IMPAIRMENT, NATURE, CAUSES AND CLASSIFICATION

Mrs. Rajalakshmi:

Orientation lectures were given to field workers of FPAI on EARLY IDENTIFICATION OF HEARING LOSS AND ITS IMPORTANCE FOR REHABILITATION.

Participated in the Healthy Baby Show arranged at Uttanahalli as a team member.

Actively involved in the EARLY IDENTIFICATION OF SPEECH AND HEARING PROBLEMS IN YOUNG CHILDREN - a project in collaboration with project - FPAI.

Identification of Noise-Induced Hearing Loss in Industrial Workers through questionnaire study.

Translation of High risk checklist (English to Kannada) Questionnaire identification of hearing loss in Industrial workers (English to Kannada).

Mrs. C.S. Vanaja:

Delivered a lecture on ASSESSMENT OF HEARING to 25 teachers at RCE, Mysore.

DEPARTMENT OF SPEECH PATHOLOGY

The Department of Speech Pathology, besides providing theoretical and practical training in speech and language disorders to undergraduate and postgraduate students, was instrumental in rendering clinical services, both diagnostics and therapeutic.

CLINICAL ACTIVITIES:

Diagnostics and Counselling Section: Statistics are presented in Table VIII.

Prosthodontic Aids:

The Prosthodontic Technician has prepared cleft palate prostheses and speech bulbs for the cases referred by the Plastic Surgeon and Speech Pathologists. Both temporary and long term prostheses are prepared with a monthly follow up. Statistics are presented at Table IX.

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

THERAPY CLINIC

TRAINING:

Regular clinical training is being provided to 84 undergraduates and 44 postgraduate students in Speech and Hearing in handling a variety of speech-language and hearing disordered individuals. This is done through observation, diary writing and practical clinical training in pretherapy assessment, planning and carrying out therapy, counselling and guidance for home training and report writing.

Fifty percent of the students in each class are posted in the clinic at a time for 3 hours/day on rotation.

THERAPEUTIC SERVICES:

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

On an average 172 cases with various speech disorders were seen and an average of 1698 individual therapy sessions of 45-60 minute duration were provided to these cases. A group of 8-10 hard of hearing children were provided intensive group therapy for 90 minutes per day to improve their auditory and communicative skills.

Apart from routine guidance and parent counselling, group parent counselling meetings were held for the parents of cerebral palsied, hearing impaired, autistic and mentally retarded children. They were educated regarding the handicap, etiology, prevention and its management. About 20 such parent group meetings were held in the year for a duration of one and a half hours each.

On an average, 20-25 out-station cases were seen every month for demonstration of speech therapy. They were provided intensive guidance/demonstration sessions and handouts for home training on auditory training, articulation correction and speech and language training.

Materials Development:

(a) Correspondence therapy lessons for misarticulation cases in Kannada and English are being used regularly with demonstration therapy cases. Malcolm Fraser's Self therapy for stutterers in English and its Kannada version are being used with adult stutterers. Kannada versions of the John Tracy lessons are being given to parents of hard of hearing children for home training. Audio cassettes for auditory training and nursery rhyme cassettes are regularly used in therapy.

(b) (1) Two cassettes on speech stimulation have been prepared in Kannada and English for student training and parent guidance describing various techniques for speech stimulation.

(2) Audio cassettes on sound effects have been prepared consisting of various types of sound (animals sound, vehicle sounds, household sounds, environmental sounds, musical sounds, etc.) along with pictures for auditory awareness and discrimination training.

(3) Charts and flash cards have been prepared for regular language therapy and concept teaching.

(4) UNICEF project on "Production of Language Training Material in major Indian Languages" is in progress.

(5) Video recording of speech and language disorders for public education and student training is in progress.

OTHER ACTIVITIES:

The children receiving speech therapy participated in the cultural programmes on the occasion of the 26th Anniversary of the Institute on 9.8.91.

Children's Day on 14.11.1991 was celebrated with a large number of children taking part in the fancy dress competition. Prizes were distributed and refreshments were served.

The World Disabled Day on 18.3.1992 was co-hosted by Mysore Round Table-21 and Ladies Circle-9. On this occasion, sports meet for the disabled children was held and prizes were distributed. MRT-21 donated special furniture for the use of cerebral palsied children at AIISH. Tricycles for the adult physically disabled persons was also donated jointly by the Theosophical Order of Service, MRT-21 and Ladies Circle-9. Mr. Goutham R. Shetty, Chairman, MRT-21 was the Chief Guest.

STAFF ACTIVITIES:

Dr. Prathibha Karanth, Prof. & Head:

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

Project on material development for language training proposed by Dr. Prathibha Karanth along with Ms. R. Manjula, Ms. Geetha YV and Ms. KS Prema submitted to UNICEF has been sanctioned and the work is in progress.

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

OTHERS

- Participated in the Board of Studies Meeting in speech and Hearing at Mangalore University, Mangalore on 5.4.1991.
- Examiner for Viva/Practicals examination for B.Sc. (Hons) Speech and Hearing final conduct by All India Institute of Medical Sciences, New Delhi on 10.5.1991.
- Examiner for National Level Test for the Research Fellowship of U.G.C. at Bombay, on 25.5.1991.
- Participated in the centralised evaluation for the UGC National Level Test for Jr.Research Fellowships and Lectureship held on 4th & 5th September 1991 at Poona.
- Visited NCERT, New Delhi on 27.11.1991 in connection with NCERT Project.
- Participated in the Board of Studies Meeting, Mangalore-December 1991.
- Participated in UGC Evaluation at Poona University, Poona from 26.2.1992 to 28.2.1992.

Membership of Scientific/Administrative Committees:

Clinic in-charge, AIISH

Member - Board of Studies in Speech & Hearing, Mangalore University.

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

Member - Library Committee, AIISH

Chairperson - Hostel Committee, AIISH

Member - Annual Programme Committee

Member - Visitors Sub-Committee

Member - Selection Committee, AIISH

Member - Departmental Promotion Committee, AIISH

Member - Academic Sub-Committee, AIISH

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, Delhi.

Dr.G.Purushothama, Professor of Speech Pathology:

Delivered two Lectures at Academic Staff College of University of Mysore on Speech and Hearing - January 1992

Membership of Scientific/Administrative Committees:

- Inquiry Officer - for two cases at Regional College of Education.
- Chairman, Agri-Horticulture Committee, AIISH
- Member, Visitors Sub-Committee, AIISH
- Member, Board of Studies, University of Mysore, Mysore.

Ms Basanthi Devi, Lecturer in Linguistics:

Project proposal on "Developmental Milestones of Language Acquisition in Indian Languages: Kannada and Hindi" together with Dr. Shyamala KC has been approved for research grant by ICSSR.

Membership of Scientific/administrative Committees:

- Examiner, Linguistics and Phonetics for B.Sc. (Speech and Hearing), Mangalore University.
- Warden, Ladies Hostel, AIISH
- Member, Visitors Sub-Committee, AIISH

Dr. R.S. Shukla, Lecturer in Speech Pathology:

Delivered Guest Lectures on

1) "Acoustic aspects of Cleft Palate speech" delivered during the 24th National Conference of ISHA at Calcutta held from January 18-20, 1992.

(2) "Normal mechanism of speech and assessment of Cleft Palate Speech" delivered during a Seminar on Cleft Lip and Palate conducted at Government Medical College, Mysore, on 28.3.1992.

- Recognized by the University of Mysore to guide research students leading to Ph.D degree.
- Submitted a research proposal titled "The application of infant cry analysis for early diagnosis of High Risk Infants to N.I.H., USA as part of post-doctoral research.

Others:

- 1) Additional Secretary of Indian Speech and Hearing Association.
- 2) Chairman, Students Association of AIISH
- 3) Member-Journal Committee.

Ms R. Manjula, Clinical Lecturer:

Co-Investigator of the Project on "Material development

Co-organised a workshop on "Speech in the Classroom" at Spastics Society of Tamil Nadu, Madras from 11.11.1991 to 13.11.1991.

Dr. Shyamala Chengappa, Lecturer in Language Pathology:

Project proposal submitted along with Ms. Basanti Devi on "Developmental milestones of Language Acquisition in Indian Languages - Kannada & Hindi" to ICSSR, New Delhi for funding has been approved.

Ms. Y.V. Geetha, Clinical Supervisor

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

Production of video tapes on speech and language disorders for public education and student training - in progress.

Passed UGC Lecturership examination conducted by UGC.

Ms. Prema K.S., Clinical Assistant:

Project "Kannada adaptation of Fitzerland Key" - completed.

Successfully completed UGC Lecturership examination conducted by UGC.

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

Production of video tapes on speech and language disorders for public education and student training - in progress.

Ms. Vijayashree, Clinical Assistant:

1. Prepared the following Public Education Pamphlets jointly with Ms. Suchitra MG.
 - Cerebral Palsy (in Kannada)
 - Stuttering - A Handout for Adults (in Kannada)
 - Home training for the parents of learning disabled children (in English)

2. Prepared the following Proformae for evaluation of speech language disorders jointly with Ms. MG Suchitra:

- Proforma for Childhood dysfluency
- Proforma for Cluttering
- Re-evaluation forms for - Aphasia & Allied disorders
Laryngectomy
Reading disability
- Form for Counselling

Ms. Suchitra M.G., Research Assistant:

1. Prepared the following Public Education Pamphlets jointly with Ms. Vijayashree*

- Cerebral Palsy (in Kannada)*
- Stuttering - A Handout for Adults (in Kannada)*
- Home training for the parents of learning disabled children (in English)*
- Learning Disabled Child in the Classroom - Guidelines to teachers (in Kannada)
- Mentally retarded child in the Classroom - Guidelines to teachers (in Kannada)

2. Prepared the following Proformae for evaluation of speech and language disorders jointly with Ms. Vijayashree:

- Proforma for Childhood dysfluency
- Proforma for Cluttering
- Re-evaluation forms for - Aphasia & Allied disorders
Laryngectomy
Reading disability.
- Form for Counselling

3. Adaptation of Materials for use in Diagnostics:

- LPT Normative data (6 - 14 years)
- LPT data (Literates & Illiterates) from dissertation data.

4. Assisted in Calculations of Sensitivity Index for Normative data on Adults on LPT

5. Classification of details of various equipments (based on the literature given in catalogue).

Itinerant Speech Therapy Activities:

Follow-up

a) Correspondence

Follow up letters were sent to the Therapy cases and their wards, there they are irregular for therapy and also when specific information regarding therapy needs to be conveyed.

During this year, 188 followup letters were sent which shows that majority of cases were regular for therapy. 20 cases replied for enquiry stating personal difficulties for

61 cases reported to the Clinic in response to the follow up letters and 11 letters were returned due to change in address and nonavailability of persons as per the address.

b) School visits

Majority of therapy cases who have speech, hearing and language problems were enrolled in normal schools within the city. Such schools were being visited regularly, to collect information on their academic performances, difficulties faced by the concerned teachers in the classroom and social behaviour/adjustments of these children. 17 to 20 hearing impaired, 5 with Dyslexia, 3 with stuttering, 30 with M.R. and 3 with delayed speech and language were followed up in each school were given guidance on classroom management and also, guidelines on identification, prevention and referral.

Two special schools were also visited during the year -one for Mentally Retarded and another for Deaf Children. Guidance and orientation to the staff was provided besides follow up of few children who were enrolled for therapy at AIISH Clinic.

Parent Guidance Programme

Parent Guidance Programmes were being held regularly, providing guidance on home training, follow up of therapy, educational and vocational management. Demonstration sessions were also held wherever necessary. 30 sessions of 2 hours duration were conducted during this year.

Guidance was given to the parents of Mentally Retarded and Cerebral Palsied children with regard to their association activities, mainly dealing with overall rehabilitation of such children.

Lectures:

"Early Identification of speech and hearing handicapped" in Kannada, Anganwadi Trainees, Mysore - 18th May 1991

"Identification, prevention and management of speech and hearing handicap children in schools" Teachers at Rotary Children's school, 8th July 1991

participated in Industrial Motivation Camp and talked on Facilities available at the Institute on 6th August 1991 at District Rehabilitation Centre, Mysore.

Participated in One-day Workshop on Hindi on 31.3.1991 at the Institute.

Prepared an audio-cassette on welfare measures for the speech and hearing handicapped in India.

1. Correspondence:

No. of follow up letters sent	- 188
No. of cases replied	- 20
No. of cases reported for	- 61
-evaluation therapy	
No. of letters returned	- 11

2. Visits:

No. of schools visited	- 15
No. of children followed up	
-in schools	- 61
No. of special schools visited	- 02

RESOURCE MATERIALS:

a) Procured during 1991-92

- 1) Microphone*
- 2) Ribbon Catridge
- 3) Audio cassettes
- 4) Floppy disks
- 5) Earphones*
- 6) Spare cards for TRs*
- 7) Video cassettes
- 8) Transparencies
- 9) Diagnostic test materials*

*due to shortage of funds, these items were not procured.

b) to be procured during 1992-93

- | | |
|--|---|
| 1) Speech-interface unit | 7) Floxite Lighted Magnified Mirror set |
| 2) VSS-Data I/o Card | 8) Voice Lite |
| 3) Computer Software: | 9) Communication skill builder material |
| a) VSS-SSL | 10) Speech trainer |
| b) VAGMI | 11) Taperecorders |
| 4) Apple Machintosh DTP system with software & printer & uninterrupt power supply system | 12) Phonic Ear |
| 5) Speech & Language diagnostics tests | 13) Hearing aids for group therapy |
| 6) Display borads | 14) Mestronome |
| | 15) Artificial Larynx |

PLANNED ACTIVITIES: 1992-93

1. A project proposal titled "Upgradation of clinical training services and documentation of speech-language and hearing disorders at AIISH" has been submitted to WHO for funding.
2. Establishment of an Intensive Speech-Language Therapy Unit for the communication disordered at Pre-school level.
3. An out-reach program wherein implementation of home training programmes and supervision and monitoring of progress will be carried out.
 - Development of home training for different speech handicaps
 - Training of students to carry out the out-reach program in their own areas.
4. Establishment of Prosthodontic Laboratory to provide various types of prosthesis for cases with cleft lip and palate.

CLINICAL SERVICES:

755 patients have been evaluated and therapy for different speech and language disorders have been provided. Computer was extensively used this year for the diagnosis of voice, fluency and articulation disorders. New method of evaluating stuttering using fluency norms has been developed and used for clinical evaluation of stuttering.

Developmental activities:

1. Developing software for diagnosis and analysis of speech - The softwares developed in collaboration with VSS were field tested and modifications were suggested.
2. Glottal behaviour in normals and speech handicapped - Glottal output of 360 voice patients were recorded and analyzed in detail. Glottal output of 12 stuttering patients were recorded and the output of 3 patients were analyzed in detail.
3. Speech perception - Preceding vowel duration as a cue for voicing, closure duration for voicing, perception of aspiration, some developmental aspects of closure duration in children were carried out.
4. Developing methods of differential diagnosis of stuttering and their clinical implications - Fluency test is being administered to the clinical population to find out its efficacy and 25 children have been tested in this regard.
5. Acoustic analysis of voice - (a) Norms for various parameters of voice, spectrographic analysis of TEP speech, comparative study of Fundamental Frequency and Intensity variations for 30 normals and 40 dysphonics have been carried out and (b) LTAS & Pitch perturbation

Future programmes:

- (i) Projects on the following areas have been submitted to various funding agencies:
 - 1) Speech analysis in Indian Languages - Dept. of Electronics
 - 2) Child Perception - Dept. of Science & Technology
 - 3) Differential Diagnosis of Stuttering - WHO
 - 4) Differential Diagnosis of Dysarthria - WHO
 - 5) Infant Cry Analysis - WHO
- (ii) The following Workshop/Refresher course has been proposed:
 - 1) Workshop on application of personal computer in the diagnosis and treatment of communication disorders
 - 2) Refresher Course in voice and fluency disorders.

Dr N P Nataraja:

1. Officiated as Director i/c from 7.6.1991 to 11.6.91
2. Was selected under the Colombo Plan, UK and took two courses - Acoustics of Speech and Voice Therapy and visited various Universities in London and other parts of UK from 3.11.1991 to 6.2.1992.
3. Co-author of paper entitled "Durational characteristics of Alaryngeal speech" presented at the ISHA Conference held from 18-20 January 1992 at Calcutta.
4. Co-author of paper entitled "Synthesis of speech of the hearing impaired" at presented the ISHA Conference held from 18-20 January 1992 at Calcutta.
5. Principal Investigator, SOLSH Project, CADDLD Project.
6. Member, Board of Studies (Speech & Hearing), University of Mysore.
7. Member, Board of Examiners (Speech & Hearing), University of Mysore.
8. Chairman - Brochure/Annual Report Committee, AIISH.
9. Member - Library Committee, AIISH
 - Annual Programme Committee, AIISH
 - Visitors Sub-Committee, AIISH

Dr A R Sevithri:

1. Assisted Director in the matters related to Training
2. Officiated as Head of the Department from 3.11.91 to 6.2.1992
3. Attended Academic Sub-Committee Meeting held on 6.12.1991.
4. Presented : "Closure duration as a cue to the perception of place and manner of articulation of plosives in Kannada"
5. Editor, JISHA
6. Co-investigator, SOLSH Project
7. Member, Board of Studies (Speech & Hearing), University of Mangalore

Mr C S Venkatesh

1. Assisted the Director in the matters related to Purchase of Technical Equipment.
2. Presented the following papers in the Annual ISHA Conference held from 18-20 January 1992 at Calcutta:
 - (a) Durational Characteristics of A laryngeal speech
 - (b) Normative Data for pitch and amplitude perturbation and discriminant analysis of pitch and amplitude perturbation in Dysphonics
 - (c) Objective measurement of Hoarseness using Jitter and Shimmer
 - (d) Electroglossography and laryngeal disorders: An attempt on differential diagnosis based on wave morphology.

3. Won the best paper award for Voice in the ISHA Conference 1992.
4. Lead the II M.Sc., students for an educational tour during January 1992
5. Treasurer : Indian Speech & Hearing Association
Treasurer : Journal of ISHA
Convenor : Memento Committee, AIISH.
Co-investigator: SOLSH Project, CADDLD Project

Mr B N Krishnamurthy

1. Visited Indian Institute of Technology, Madras on 30. 31 May and 1 June 1991 in connection with SOLSH project.
2. Visited Phonetic Lab at Central Institute of Indian Languages during the month of December 1991
3. Presented the paper entitled "Durational characteristics of laryngeal speech" (co-author) in ISHA Conference held from 18-20 January 1992 at Calcutta.

Ms. H Rohini

1. Visited Phonetic Lab of Central Institute of Indian Languages during the month of December 1991.

Ms N Parimala

1. Passed Post Graduate Diploma in Business Administration from Annamalai University
2. Participated in a One-day workshop on Hindi on 31.3.1992.

Planned Activities:

A new project on "Child Perception" has been submitted to DST and 3 Project proposals - "Differential Diagnosis of Stuttering", "Differential Diagnosis of Dysarthria" and "Early Identification of Abnormalities based on Infant Cry Analysis" have been submitted to WHO for funding.

Two short term programmes on "Voice and Fluency Disorders" and "Use of Personal Computer in the treatment of Speech Disorders" have been proposed.

CLINICAL SERVICES:

Diagnostics: A total number of 2438 cases were tested and evaluated for routine and special diagnostics which included neuropsychological assessment and evaluations and vocational assessment, interests, aptitudes etc.

Therapeutics: Individual therapy was given to persons with stuttering, mental retardation, infantile autism, behavioural problem, functional voice disorders and other speech and hearing problems.

Therapeutic interventions included are behaviour modification, behaviour therapy, bio-feedback^k, progressive muscular relaxation, hypnotherapy, psychodrama and behaviour counselling. Group therapy programme were also given for mentally retarded and stutterers.

A total number of 113 cases received therapy during the year.

A total number of 1453 therapy sessions were spent for treatment.

Parent/Party counselling and guidance:

The parents of the mentally retarded and other cases with behaviour problems were counselled regarding the management of problematic behaviours, improving self help skills etc. Behavioural counselling was carried out with cases like stuttering, voice disorders, aphasics, learning disabilities etc. Vocational guidance was also carried out by the staff for cases with hearing handicapped and mentally retarded.

STAFF ACTIVITIES:

- Mr P Kalaiah - Examiner for M.A (Psy)., University of Mysore.
- Examiner for B.Sc, (Speech & Hearing) University of Mysore.
- Dr.AD Bhavani- Examiner for M.A (Psy.) University of Mysore,
- Examiner for B.Sc, (Speech & Hearing), University of Mysore
 - Participated as a resource person in a refresher course in Education, Academic Staff College, University of Mysore
 - Gave a lecture on training for the trainable mentally

- Dr P Vidyasagar - Examiner for B.Sc., (Speech & Hearing)
University of Mysore.
- Mr G Jayarama - Working as NSS Programme Officer
- Participated as a Judge for the Inter Collegiate level Seminar on Environmental Hazards at Yuvaraja's College, Mysore, organised by Visvesvaraya Industrial and Technical Museum.
- Mr. Y T Balakrishna Acharya - Along with the job of Research Assistant, he/also rendering services in the /is Training Section since August 1991.

RESOURCE MATERIALS:

The Department of Clinical Psychology is possessing a wide variety of psychological test materials, therapeutics equipment and teaching aids which can be classified under the following broad categories:

1. Test for assessment of cognitive functions
2. Test materials for personality assessment
3. Tests for the assessment of interpersonal relationships and adjustments
4. Projective tests
5. Tests for the assessment of aptitudes and interests
6. Neuro-PSYchological test batteries
7. Therapeutic equipment eg. Voicelite, Relaxomter, Alphasensor, Bud-in-the Ear etc.,

PLANNED ACTIVITIES:

Fabrication of Neuro-psychology Unit: It has been planned to fabricate the neuro-psychology unit with full acoustic treatment with air conditioner in order to house the sophisticated equipments like EEG etc.,

Extension of Behaviour Therapy Unit: It has been planned to extend one more Behaviour Therapy Unit in order to render therepeutic services to more number of cases who are in need of behaviour therapy/modification.

FUTURE PROGRAMME:

1. Attitudes of parents towards their hearing handicapped children.
2. Psychological correlates of aphasia
3. Therapeutic intervention for tinnitus
4. The personality factors of the patients with psychogenic head-ache and the role of bio-feedback in the treatment of psychogenic headache

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- Examiner for B.Sc, (Speech & Hearing), University of Mysore
 - Participated as a resource person in a refresher course in Education, Academic Staff College, University of Mysore
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- Dr P Vidyasagar - Examiner for B.Sc., (Speech & Hearing)
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FUTURE PROGRAMME:

1. Attitudes of parents towards their hearing handicapped children.
2. Psychological correlates of aphasia
3. Therapeutic intervention for tinnitus
4. The personality factors of the patients with psychogenic head-ache and the role of bio-feedback

5. Critical flicker fusion among stutterers and non-stutterers
6. An investigation into the relationship between the measures of GSR and anxiety scores
7. Psychomotor correlates of stuttering.

DEPARTMENT OF OTORHINOLARYNGOLOGY

The Department of ENT besides providing theoretical and practical training in Otorhinolaryngology to under graduate and post-graduate students, was instrumental in rendering clinical services, both diagnostics and therapeutic.

CLINICAL SERVICES:

1. Diagnostic: Clinical Services are rendered to all the cases reporting to the Institute, on all working days. In addition, cases are also seen at K.R.Hospital on Wednesdays and operations conducted on Thursdays and Saturdays,
2. Therapeutic: At present, only minimal therapeutic procedures like clearing of discharging ears are being done at the Institute. Other therapeutic procedures, both medical and surgical are being done at K R Hospital.
3. Research Activities: Homeopathic and Ayurvedic Vs. Allopathic treatment in CSOM, SOM, Post-operative cases was undertaken. Clinical Chemical cauterization for small central perforation (Silver Nitrate).

Proforma prepared in bilingual form i.e. Hindi and English was used in connection with the above.

STAFF ACTIVITIES:

Dr M V Susheela -

- Attended South Zone Regional Conference of the Association of Oto-Rhino Laryngologists of India, at Kodaikanal on 6th, 7th and 8th September 1991.
- Attended the Executive Council Meeting on 6.3.1992 at New Delhi
- Gave a guest lecture on role of ENT Surgeon in Cleft Palate cases at Mysore in the Seminar arranged by Surgical Society, Mysore Branch on 28.3.1992.

Special Operations:

1. Home-graft used to line the Mastoidectomy cavity reduces the post-operative period followups and healing is faster.
2. Vocal Nodules and Polyp were treated with Homeopathic medicines and the results are promising.

The Department of Electronics, besides providing theoretical and practical training in Electronics and acoustics to the under-graduate and post-graduate students, was instrumental in giving the necessary technical information in the purchase of new equipment for the Institute and in having a comprehensive programme for the maintenance of all electrical and electronic equipment, calibration of testing instrument in all the Departments in the Institute.

Hearing aids of all types brought by the patients were repaired/serviced, sometimes replacing the damaged parts. The hearing aids distributed under the "Aids and Appliances Scheme" of the Ministry of Welfare were tested and certified.

Besides the equipment within the institute, the Central Air Conditioning Unit, Generators and Pump House are maintained. Arrangements were also made for the use of Audio-visual equipment whenever these were required for Guest Lectures, Clinical Conference and Journal Club. Statistics are indicated in Table VI.

Research and Development:

1. Prototype electro-glottograph was fabricated which compares well with similar instruments manufactured overseas.
2. Voice Light which indicates phonation duration was also fabricated.
3. Visual Telephone Bell Indicator: This is a project supported by the grants from the District Rehabilitation Centre, Ministry of Welfare, Govt. of India.

Staff Activities:

Mr H S Satish, Electronics Engineer (Sr.Gr.I) & Head:

Attended Seminar on International SUNDAY, Indian Institute of Sciences, Bangalore.

Member, Project on Instrumentation in Speech & Hearing, NIMHANS, Bangalore.

Mr S S Murthy, Lecturer:

Alternate Member for ISI.

Mr M K Seetharam, Electronics Engineer.

Principal Investigator "Telephone Bell Indicator Project"
DRC, New Delhi.

Mr S R Srinivasa, Jr. Technical Officer:

Co-Investigator "Telephone Bell Indicator Project" DRC,
New Delhi.

Mr B N Balasubramanya, Jr. Technical Officer.

Preparation of video cassettes on different activities of
the Institute.

LIBRARY & INFORMATION CENTRE

AIISH Library and Information Centre is the specialised Library in the field of Speech and Hearing in our Country. We have (provided the latest literature in the form of) latest books and journals to our students, teachers and researchers. Specialised subject Bibliographies were provided.

We are in the making of automation of the Library services and suitable proposals have been submitted in this regard.

The complete collection is systematically maintained for easy and scientific access to the users.

All the journals were got bound numbering to about 1500.

The Library is providing various essential and special services to its clientele.

Staff Activities:

MV GOVINDARAJAN:

Attended Mysore City Libraries Consortium (MCLC) Meeting held on 15.10.91 at Mysore.

A Colourful Souvenir was brought out as part of the Silver Jubilee Celebrations of the Institute.

Life Member: Indian Library Association (ILA), New Delhi.
Medical Library Association of India (MLAI),
New Delhi
Indian Speech & Hearing Association (ISHA)
Mysore.

Annual Statistics:

1. No. of volumes at the end of the year (1991-92)	9889
2. No. of volumes added	803
3. No. of journals subscribed to	53
4. No. of journals exchanged	1
5. No. of books/journals issued/consulted	55,359

CIVIL ENGINEERING SECTION

1. Construction of Speech Block:

Administrative approval was accorded by the Ministry of Health & Family Welfare for the above work. The estimate was technically scrutinised by the Chief Engineer, Communication and Buildings (South) Bangalore during December 88 for Rs.32.73 lakhs outlay on the work to the extent of 31.3.92 is Rs.29.50 lakhs. The Civil work and Electrical works have almost been completed, except for providing front door and power supply to the Building.

2. Construction of first floor over the ground floor of the present Ladies Hostel:

The estimate for the above work was recasted and submitted for scrutiny to the Chief Engineer, C&B (South) Bangalore and the same is received back duly scrutinised for Rs.21.50 lakhs through the Superintending Engineer, Mysore Circle, Mysore in letter No.14740 dated 30.3.1992. The Administrative approval for the same is not yet received. In the meanwhile preparation of tender schedule for the above work is received telegraphically from the Chairman of Executive Council during January 1992. Foundation stone for this work was laid by Sri M.S.Fotedar Hon'ble Minister of Health & Family Welfare, Government of India on 5.10.91. Formal administrative approval is awaited.

3. Maintenance of campus buildings:

In addition to the above works, the Engineering Section is also attending to the maintenance and other repair works of all the buildings in the campus.

AIISH GUEST HOUSE & DHARMASHALA

a) Guest House: In addition to Dharmashala building we are providing accommodation facilities at Guest House to the patients and their attendants in the Institute premises on payment of Rs.10/- per bed or Rs.20/- per room for two persons.

The Guest House rooms are utilised by patients and their attendants and officials. A sum of Rs.8,510/- was

AGRI-HORTICULTURAL SECTION

HORTICULTURE SECTION is carrying out the following functions:

1. Providing natural environment in the Institute Campus and its surroundings;
2. Maintain the Institute premises with natural beauty of growing and training of ornamental species of plants;
3. Provide lively atmosphere inside the building by arranging decorative indoor plants.
4. Provide esthetic importance by maintaining ornamental shrubs and flowering plants competing in the Horticultural shows etc. and
5. Provide ideal opportunity to nature education for rehabilitating children.

Apart from the above it is also taking care of Rose garden Fern house and Fruit orchard.

The Institute campus is planted with different varieties of flowering shrubs, ornamental trees, creepers and herbs to create ecological balance. This section gets revenue to the Institute by auction sales of firewood, fruits etc., and sale of vegetables at concessional rates to the staff, patient and others.

During 1991 competed in the DASARA HORTICULTURAL show, got 1st prize for garden maintenance apart from this won several other five 1st prizes, one II prize, two III prizes and one special prize for growing of flowers in pots.

OFFICIAL LANGUAGE IMPLEMENTATION UNIT

The Official Language Implementation Unit working under the Chairmanship of the Director made good progress by way of trials to reach the targets prescribed under the Annual Programme.

The meetings of Official Language Implementation Committee were conducted regularly during the year. A Sub-Committee consisting of promoters of Official language from each Department/Section was formed for better implementation.

Hindi connected works like translation, reply of case letters, call slips, forms, History sheets, annual reports, statement of accounts and audit reports were looked after by the OLI Unit consisting of one Hindi Translator and one Hindi-cum-English Typist. Hindi slogans along with a word a day is being displayed on the notice board.

Hindi Quiz Fair was the added attraction of the Hindi Day celebrated on 14th September 1991, wherein students and staff participated in large numbers. On this occasion various Hindi competitions were conducted on 13.9.91 and the winners were awarded prizes, in the valedictory function held on 17th September 1991 Dr Srivastava, Deputy Director, Central Institute of Indian Languages, Mysore presided over the function.

The cash incentive scheme to encourage the use of Hindi in official work was kept open and Sri K R Radhakrishna Office Superintendent was awarded I Prize.

Mr Md Kaleemulla, LDC, on being declared successful in Hindi Pragya examination of November 1991, was given cash prize and personal pay.

The Second 'One Day Hindi Workshop' was conducted at the Institute on 31.3.92 to reorient the employees in the use of Hindi. Following is the list of employees who attended the Hindi Workshop.

Smt Soumya Mala, Clinical Assistant
 Smt Indira Kumari, Itinerant Speech Therapist
 Sri K Md Fazlulla, Publicity & Information Officer
 Smt N Parimala, Senior Stenographer
 Smt Susheela Bai, Junior Stenographer
 Sri Kumaraswamy, Lower Division Clerk
 Sri Md Kaleemulla, Lower Division Clerk

Malathi Tandon,, Reader, PG Dept. of Hindi, Mysore University delivered the inaugural address. A report of the same was sent to the Hindi Directorate in the Ministry of Health & Family Welfare.

NATIONAL SERVICE SCHEME (NSS)

Some of the **activities** that have been carried out are sanitation work, **survey**, blood donation campaign, short distance adventure programmes etc.

1. Sanitation works:

Cleaned twice the premises of Gents' & ladies Hostel during the year. Cleaning of institute premises and preparation of institute playgrounds were also carried out by the volunteers;

2. Blood Donation Campaign:

Blood donation was done for 5 patients by our volunteers in the year.

3. Survey:

An unique combination of speech and hearing handicapped survey along with the door to door 'Ellu-Bella' distribution on the occasion of 'Makara - Sankranti' was carried out at the Bhogadi village on 15.1.1992.

4. Adventure programme.:

30 student volunteers along with the National Service Scheme programme officer carried out a trekking programme to 'Kumara Parvatha' - a range of 5 mountains near Subramanya, S.K. on 1.2.1992 and 2.2.1992, respectively.

5. Literacy programme:

5 adults are receiving training under Adult Education Programme by 5 student volunteers of the Institute.

MOUNTAIN TREKKING

Two members of staff, Sri M K Seetharam and Mr R K Sridhar participated in the two week's National Himalayan Trekking expedition arranged by the Youth Hostel Association of India during May-June 1992 and scaled Chandrakhani pass in the Himalayas at a height of 12,000 ft.

PATIENT'S WELFARE FUND

Patients' Welfare Fund is providing required financial assistance/relief to the needy patients. Contributions to this Fund are being received in the form of donations. Cash boxes for this purposes are placed in various departments/ Centres.

The receipts to the above fund was Rs.3,282/- during the year 1991-92. An amount of Rs.534/- was paid to needy poor patients for the purchase of spare parts to hearing aids, etc.

PERSONNEL

STAFF STRENGTH AS ON 31.3.1992

Sl. No.	Group	Sanctioned	Staff working	Vacant	Position of staff working	
					SC	ST
1.	Group-A	34	26	8	4	1
2.	Group-B	14	10	4	1	-
3.	Group-C	73	67	6	8	1
4.	Group-D	54	54	-	19	-
Total		175	157	18	32	2

ADVISORY COMMITTEES

The following Advisory Committees were constituted for the year 1991-92 to assist the Director in matters concerning various functions.

1. Official Language Implementation Committee
2. AIISH Departmental Canteen Committee
3. Hostels Committee
4. Library Committee
5. Staff Welfare Fund Committee
6. Sports Sub Committee
7. Journal Committee
8. Brochure/Annual Report Committee
9. Internal Buildings Committee
10. Additional Sub-Committee
i) Buildings Sub-Committee (Maintenance & Facility)
11. Clinical Services Committee
12. Annual Programme Committee
13. Visitors Sub-Committee
14. Agri-Horticultural Committee
15. Purchase Sub-Committee

Ph.D. Programme:Awarded:

- Ms G N Rangamani "Aphasia and Multilingualism - Clinical evidences towards the cerebral organisation of languages" completed and submitted to the University of Mysore under the guidance of Dr Prathibha Karanth. The Viva-voce examination for adjudication of the Ph.D., thesis was held on 30.10.1991. The University of Mysore on 2.11.1991 awarded Ph.D., degree.
- Mr P Vidyasagar "Cognitive temperamental and social aspects among the sensory neural hearing impaired children" under the guidance of Dr Mewa Singh from the University of Mysore
- Mr K K Lal "Developing effective therapeutics strategies among young adult Stutterers", University of Mysore, Mysore

Submitted:

- Ms Uma Subramaniam - Acquisition of Syntax in the Hard of Hearing" under the guidance of Dr Prathibha Karanth, thesis completed and submitted to the University of Mysore, Mysore
- Mr B Rajashekhar, "A Comparison of TEP and Oesophageal speech" under the guidance of Dr N P Nataraja, thesis completed and submitted to the University of 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.
- 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 R Manjula, continuing her Ph.D., work on "Aspects of Intonation in Kannada" under the guidance of Dr NP Nataraja
- Mr A Jagadish, continuing his Ph.D., work on "Infant Cry Analysis" under the guidance of Dr NP Nataraja

"Laryngeal abnormalities in stutterers" under the guidance of Dr NP Nataraja.

- Mr CS Venkatesh, continuing his Ph.D., work on "Acoustic analysis of Kannada speech sounds" under the guidance of Dr NP Nataraja.
- Mr P Kalaiah continuing his Ph.D., work on "An investigation into personality correlates of stutterers and to derive an effective package programme to suit a majority of stutterers under the guidance of Dr J Bharath Raj
- Mr YT Balakrishna Acharya, continuing his Ph.D., work on "An investigation into the personality concomitants of essential hypertension" under the guidance of Dr J Bharath Raj.
- Mr Kalyan Kumar, continuing his Ph.D., work on "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
- Mr Antony Thomas, continuing his Ph.D., work on "An attributional approach to the expectancies of control, self-esteem, purpose in life, alienation in stutterers, non-stutterers and neurotics - A clinical study" under the guidance of Dr A K Srivastav, Professor, Central Institute of Indian Languages.
- Ms Y V Geetha, "A comparative study of stuttering behaviour" Ph.D., registered under the guidance of Dr Prathibha Karan
- Mr G Jayarama continuing his Ph.D., work on "Relationship between EPI scores and BGT among stutterers".

<u>Student's Name</u>	<u>Title</u>	<u>Guide</u>
<u>Department of Speech Pathology:</u>		
Jeny E Philip	A Test of Aphasia in Malayalam	Dr.P.Karanth
Shipra K Ojha	A Test of Word Finding Skills for Children (Hindi)	"
Rashmi PG	Story comprehension, recall and generation in the hearing impaired	"
Sheela V Nambodari	Speech perception of time compressed speech in bilinguals	"
Suma Narasimhan	Sentence structure and reading comprehension in the hearing impaired	"
Pragna Gokani	The orthographic factor in phonological awareness with relation to reading	"
Bhuvaneshwari	Pitch & Amplitude perturbations in 10 year old children	Dr R S Shukla
Suvarna Sai Prasanna	Pitch & Amplitude perturbations in 8 year old children	"
Neelu Kabra	Pitch & Amplitude perturbations in 7 year old children	"
Prema Kumari CB	Pitch & Amplitude perturbations in 9 year old children	"
Nandini Iyer	MLR & Syntactic complexities in Cerebral Palsied	Dr KC Shayamala
Jyothi Hirwali	MLR & Syntactic complexities in Mentally Retarded	"
Roshni Rai	OFT and Articulatory skills in Cerebral palsied	"
Sahilashree CS	Orthography as an Augmentative system in Cerebral palised	R Manjula

Department of Speech Sciences:

Dibyendu Bhattacharya	Electroglottography in normal children and adults	Dr NP Nataraja
Sanjay Kumar	Electroglottography in Dysphonics	"
Tharmar S	Acoustic analysis of voice in normal children & adults	"

Student's
Name

Title

Guide

Panda Kirod
Chandra

Articulation proficiency in the
retarded

Dr NP Nataraj

Vaidya
Suchita
Sridhar

Acoustic parameters of speech of
stutterers in pre and post therapy
conditions

"

Animesh
Kumar Burman

Deep test of articulation in
Bengali (picture form)

Dr SR Savi

Aravind K
Sharma

Development of Disfluencies in
children age 6-7 years

"

Rajendraswamy
HM

Fluency development in Kannada
speaking children

"

Raju Pratap

Perception of word stress in
children 3-4 years

"

Mithilesh
Kumar

Programmed therapy techniques
for stutterers - Case Studies

"

Mohan
Natarajan

A synthetic test in Intonation

"

Ashok K
Biswas

A few objective measurements of
voice quality in cleft palate
individuals

Mr CS Venka

Savalem
Gnanarathnan
Prakash

A few objective measurements of
voice quality in hearing impaired
children.

"

INDEPENDENT PROJECTS

(Under the guidance of Dr. (Miss) S. Nikam, Director & Head,
Department of Audiology, AIISH, Mysore)

<u>Name of the candidate</u>	<u>Title</u>
- K. Bhuvaneshwari	A comparative study for MLR wave forms in two different groups of geriatrics
- T. Gokulakrishna	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.
- P. Jaya	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 Kumari 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.C.	A comparative study of MLR wave forms in the geriatrics: Males Vs Females
- Roshni Rai	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 - A audio visual program for the curious
- Shanthi N	Nature and utility of 40 Hz evoked potentials 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).

- Shipra 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 communicative 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.

Independent Projects in progress

- M.N. Balakrishna

Effect of dampers on selected electro acoustic characteristics of BRE hearing aids.

- Bhuvaneshwari S

Battery drain in different categories of hearing aids.

- Bhuvaneshwari CS

Effect of indigenously made dampers on the electro acoustic characteristics of BTE hearing aids.

- Pathak CB

Otoacoustic emissions - A review of literature from 1970-1991.

- Balaramaiah CH

Electro acoustic characteristics of BTE hearing aids - A study using CFA earmolds.

- Christia Stella Mary S

Establishment of BC norms in BSERA for adults.

- Ganesh Perumal PG

Changes in Electroacoustic characteristics as a function of T & MT positions in different categories of hearing aids.

- Harisadan Patra

Look before you leap: Choose a career in speech and hearing.

- Javer K Gala

A study on auditory brain stem evoked responses to bone conducted signals (clicks) on geriatrics.

- Jayanti Ray

Speech perception through tactile mode
A review of literature from 1980-1991.

- Jyoti S Balgi

Effect of repetition rate on auditory brain stem response in young adults and geriatrics.

- Niladri Sankar
Rey Choudhary An audio visual program on AIISH
and its activities
- Nirmal Kumar Samanta Effect of polarity of clicks as
ABR in adults and geriatrics.
- Pitu Naskar Utility of horns gain
- Rajkumar T An audio cassette on noise
- Ravanan MP A Quiz on audiological instrumen-
tation
- Renuka Mahadevan Speech perception in cochlear
implants - A review of literature
- Santoshkumar S.M. Guidelines for the purchase of
instruments in speech and hearing
centres
- Sanyogita Jukar Electroacoustic characteristics
of body level hearing aids as a
function of type of ear mold material
A comparative study
- Sarumathi K Thresholds for high frequency
stimuli as a function of age - A
normative study
- Suchitra Narasimhan Guidelines to set up a speech and
hearing centre
- Swathi CS Ups and downs in the life of the Ear-
An Audio cassette

Audiology:

- Roopa N & Asha Yathiraj "Tolerance problem in individual with Conductive Pathology" submitted to JAIISH
- Asha Yathiraj & Roopa N "Effect of venting on insertion submitted to Journal of AIISH.
- Rajalakshmi K "To reach speech and hearing services to the rural" Silver Jubilee Souvenir of AIISH.

Speech Pathology:

- Karanth P, Ahuja, G K Nagaraj, D, Pandit R, and Shivashankar N, 1991 "Cross Cultural Studies of Aphasia" in J.S.Chopra, K Jagannathan and I M Sawhney (Ed) Modern Trends in Neurology, B.I. Churchill, Livingstone, New Delhi.
- Karanth, P, 1991 "Comments on Issues Relating to Professional Training and Development of Alternate and Augmentative Communication Systems in India", IJDR, New Delhi.
- Karanth, P, 1992 "Developmental dyslexia in bilingual biliterate Reading. and Writing. Kluwer Academic Publishers, Netherlands.
- Kaul B & Karanth, P, 1991 "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 Grammatically Judgement in Children " - In R. Scholes & B Willis (Ed) "Literacy: Linguistic and Cognitive Perspectives". Lawrence Erlbaum Associates, New Jersey - In Press.
- Prakash P, Rekha D, Nigam R and Karanth P, "Phonological Awareness, Orthography and Literacy". In R Scholes and B Willis (Ed) Literacy: Linguistic and Cognitive Perspectives, Lawrence Erlbaum Associates, New Jersey - In Press.
- Karanth P 1991 "Comments on Issues relating to Professional Training and Development of alternate and augmentative communication system in India, IJDR, New Delhi.
- Purushothama G "A Case for Computerising Syntactic Transformations in Augmenting Communication Development" submitted for publication in the Journal of AIISH.
- Purushothama G "Speech Production (in Kannada) submitted to the Institute of Kannada Studies, University of Mysore, Mysore.
- Shukla R S, "Voice onset times in the Kannada Language" Journal of AIISH, Vol.XX, 13-18.

Shukla R.S. "Voice onset times in the speech of the hearing impaired: Journal of Communication Disorders. A tutorial review - accepted for publication in the Journal of AIISH, (invited article).

Shukla R.S, "Voice onset times in the speech of the hearing impaired: Journal of Communication Disorders.

Manjula R "Analysis of Intonation - The state of art". Journal of AIISH, Vol.XX, 1989.

Manjula R, & Geetha Y V "Intensive Group therapy for stutterers A report". Journal of AIISH, Vol.XX, 1980.

Manjula R "Communication in Cerebral Palsy" for the Souvenir brought out by "Swasahaya Samuchaya", A Parents Organisation for Mentally Retarded and Cerebral Palsied Children.

Shayamala K C "Language Disorders in children" to the Silver Jubilee Souvenir of AIISH.

Suchitra M.G. "LPT Normative data for children in Grade I to Grade V" submitted to JAIISH.

Speech Sciences:

Nataraja N P & Savithri S R "Testing interpreting and reporting procedures in voice evaluation", ISHA tests, ISHA Battery, 1991, 176-193.

Nataraja N P & Jagadish M.S. "Synthesis of the speech of the hearing impaired" submitted to JISHA.

Nataraja N.P. "Krishnamurthy B N., Rajashekar B, & Venkatesh CS "Durational Characteristics of a laryngeal speech" submitted to JISHA.

Nataraja N.P. Breedevi H.S & Venkatesh C S "Electro-glottograph and Laryngeal Disorders: An attempt on Differential Diagnosis based on wave morphology" submitted to JISHA.

Savithri S R, Nandini Iyer, & Shanthi N "Closure duration as a cue to the perception of place and manner of articulation of plosives in Kannada" submitted to JISHA.

Savithri S R "Speech rhythms in Kannada" submitted to Journal of Phonetics.

Savithri S R & Sreedevi H S "Perceptual cues of stop consonants in Kannada, JAIISH, XX, 30-33.

Sreedevi H S, Venkatesh C.S. & Nataraja N.P. "EGG, an attempt at differential diagnosis of laryngeal disorders" submitted to JISHA.

Sreedevi H S & Savithri S R "On the properties of velar/k/ in Kannada, JAIISH, XX, 8-12.

Sreedevi N, "KPVT - A screening picture vocabulary test in Kannada" JAIISH XX, 61-81.

Venkatesh C.S. "Durational characteristics of a laryngeal speakers" submitted to JISHA (co-author)

Venkatesh C S "Objective measurements of degree of hoarseness using Jitter and Shimmer" submitted to JISHA (co-author)

Venkatesh C S Sathya Krishnamurthy, & Jenny E Philip "Normal data for pitch and amplitude. Perturbation and discriminant analysis of pitch and amplitude perturbation in Dysphonics" submitted to JISHA.

Department of Audiology:

Dr. S. Nikam "Current status of audiological facilities in educational set up" at Ali Yavar Jung National Institute for the Hearing Handicapped, Bombay.

Department of Speech Pathology:

Dr. Prathibha Karanth presented the following papers:

Workshop on Assessment and Management of Communication Disorders, Spastics Society of Tamil Nadu, Madras - November 1991:

1. "Communication and Communication Disorders in Children"
2. "Speech-Language Acquisition - An overview"
3. "Assessment of Speech and Language Acquisition"
4. "Issues in and Approaches to Management of Communication Disorders in Cerebral Palsied Children".

Seminar on "Aphasia", Spastics Society of India, Madras - November 1991:

1. Introduction to Aphasia and Allied Disorders
2. Developmental Dysphasia and Dyspraxias
3. Assessment of Dysphasias
4. Treatment Techniques for Dysphasia

Workshop on "Speech and Language Stimulation", Thakur Hariprasad Institute of Research and Rehabilitation for the Mentally Handicapped at Hyderabad - December 1991:

1. Speech-Language Development in Children
2. Assessment of Speech and Language
3. Issues in Intervention
4. Speech-Language Stimulation with special focus on the classroom situation

Refresher Course in Education with thrust area: Special Education, University of Mysore, Mysore - January 1992.

1. Speech Development in Deaf children.

Dr. G. Purushothama:

Presented a paper entitled "Attention: Factors in stuttering" in the 24th National Conference of Indian Speech and Hearing Association held from 18-20 January 1992 at Calcutta.

r Nataraja N P, Venkatesh C S & Krishna Murthy B N

"Durational Characteristics of Laryngeal speech"
ISHA Conference, 18-20, January 1992, Calcutta.

r N P Nataraja & Venkatesh C S

"Synthesis of speech of the hearing impaired", ISHA
Conference, 18-20 January 1992, Calcutta.

r C S Venkatesh

"Normative Data for pitch and amplitude perturbation
and discriminant analysis of pitch and amplitude
perturbation in Dysphonics", ISHA Conference,
18-20 January 1992, Calcutta.

"Objective measurement of Hoarseness using Jitter
and Shimmer" ISHA Conference, 18-20 January 1992,
Calcutta.

"Electroglottography and laryngeal disorders: An
attempt on differential diagnosis on wave morphology"
ISHA Conference, 18-20 January 1992, Calcutta.

Department of Clinical Psychology:

r Bhavani A.D., , , Vocational counselling and guidance
at the Symposium on "Motivation for employment
among handicapped" organised by Karnataka State
Finance Corporation at DRC, Mysore.

r Vidyasagar P, Handicapped: Concepts & Assessment at the
Symposium on "Motivation for employment among
handicapped" organized by Karnataka State Finance
Corporation at DRC, Mysore.

Department of Audiology:

Ms Rajalakshmi K - Seminar on "Population growth" sponsored by FPAI.

Department of Speech Pathology:

Dr Prathibha Karanth - Conducted Three Day Workshop on "Assessment and Management of Communication Disorders" at the Spastics Society of Tamil Nadu, Madras from 11-13 November 1991.

... - Conducted a seminar on 'Aphasia' for the trainees in the Post-graduate Diploma course in Special Education for the Neurologically impaired at the Centre for Special Education, Spastics Society of India, Madras on 14.11.1991.

... - Conducted by the University Grants Commission for formulating bilingual syllabus and question papers in Speech and Hearing at New Delhi from 28-30 November 1991.

... - Conducted a Two-day Workshop for the faculty of Thakur Hari Prasad Institute of Research and Rehabilitation for the Mentally Handicapped at Hyderabad on 18-19, December 1991.

Dr G Purushothama - XXIV National Conference of Indian Speech and Hearing Association held from 18-20 January 1992.

... - Workshop for "Developing Multi-purpose Test items in Kannada" at Central Institute of Indian Languages, Mysore from 18.3.1992 to 25.3.1992.

Ms Basanti Devi - Workshop on 'Developing Multipurpose Test Bank in Indian Languages' conducted by Central Institute of Indian Languages held at Bhubaneswar from 26.2.92 to 4.3.1992.

... - Workshop for Production of Primers in Indian Languages for implementation of three language formula" conducted by Central Institute of Indian Languages in collaboration with U.P. Government at Mysore from 30.3.1992 to 17.4.1992.

Dr RS Shukla - XXIV Annual Conference of Indian Speech and Hearing Association held from 18th to 20th January 1992 at Calcutta.

Dr KC Shayamala - 10-Day Workshop to Develop Course Materials for Certificate Programme in Guidance organised by NCERT, New Delhi at RCE from 7.5.1991 to 16.5.1991.

... - Workshop on "Try out programmes of instructional materials for the Certificate Course in

Ms Y V Geetha - Workshop for "Developing Multi-purpose
Test items in Kannada from 18.3.1992 to 25.3.1992
at Central Institute of Indian Languages, Mysore.

Department of Speech Sciences:

Ms CS Venkatesh - XXIV Annual Conference of Indian Speech
and Hearing Association held from 18th to 20th
January 1992 at Calcutta.

Ms N Parimala - One day Workshop on Hindi on 31.3.1992.

Department of Otorhinolaryngology:

Dr MV Susheela - South Zone Regional Conference of the
Association of Oto-Rhino Laryngologists of India,
Kodaikanal, September 1991.

Department of Electronics:

Mr HS Satish - Seminar on International SUNDAY, Indian
Institute of Sciences, Bangalore.

Department of Audiology:

- About one hundred industrial workers were out reached through industrial workers union. A questionnaire on noise exposure and its effects on hearing was prepared and distributed to these workers.
- Rural areas within a radius of 15 kms. were covered to identify infants at high risk. A check-list for identification of speech and hearing problems in infants were translated to Kannada. It was distributed to about two hundred parents.
- ~~Healthy Baby Show at Uthanahalli was the site for hearing screening. 80 babies were screened for hearing as part of the health check-up conducted for this programme.~~
- A rural project for early identification and rehabilitation of speech and hearing problems was taken up in collaboration with Family Planning Association of India.
- 35 villages in Mysore District were covered. Referred services to the newly identified cases and counselling for the old cases were offered.
- Electroacoustic measurements were done for hearing aids sent from the Indian Council of Child Welfare, Chandigarh
- Slides were prepared and screened in cinema theatres on public education regarding awareness of speech and hearing disorders.
- Slogans regarding speech and hearing problems were prepared. The same were made into slides which are being screened in cinema theatres.
- Mrs CS Vanaja delivered a lecture on Assessment of Hearing to 25 teachers at Regional College of Education, Mysore.

Department of Clinical Psychology:

Public Education articles:

- Mr Anthony Thomas published an article titled "Psycho-approach in the education of the deaf" in the Souvenir of Marathamma School for the Deaf, Cherkala.

Department of Speech Pathology:

- Translation of 15 public education pamphlets in Kannada, English, Tamil, Malayalam, Gujarathi, Marathi are being carried out.

The following Public Education Pamphlets are handouts have been prepared:

- i) Learning Disabled Child in the classroom - Guidelines to teachers - in Kannada
- ii) Mentally retarded child in the classroom - Guidelines to teachers - In Kannada

- iv) 'Stuttering' - A handout for adults - in Kannada.
v) 'Home training for the parents of learning disabled children' - in English.

Department of Speech Sciences:

- A programme for AIR staff, Mysore has been proposed.

ONGOING RESEARCH ACTIVITIES

DEPARTMENT OF AUDIOLOGY

Dr. (miss) S. Nikam, Professor & HOD and Director is the Principal Investigator for the following projects and these projects are in progress:

- 1) 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.

Slides on hearing impairment and video cassette on Ear and Hearing were prepared to develop audio-visual resource material for the hearing impaired and their families.

- 2) 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.

- 3) Better molds for more people - A proposal for up-grading 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.

The feasibility of using the indigenously available materials for making soft earmolds is being tried. Metal flasks are being fabricated. Ring fixing to some soft earmolds is successful. Metal rings were designed and fabricated. These are found suitable for our requirements. Electroacoustic evaluation of hearing aids with different earmold options was carried out.

DEPARTMENT OF CLINICAL PSYCHOLOGY

1. Dr. AD Bhavani - "Vocational assessment of the communicatively handicapped"
2. Mr. Anthony Thomas & Dr. Sunil B Bhoj "The effectiveness of behaviour therapy for the tinnitus patients".
3. Mr. G. Jayarama "Relationship between EPI scores and BGT among stutterers"
4. Mr. YT Balakrishna Acharya "Type 'A' behaviour pattern among stutterers".

DEPARTMENT OF SPEECH PATHOLOGY

1. A 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 is in progress. Two Research Fellows and a part time Clerk were appointed. Phase II of the project has been completed.

2. A project on "Production of Language Training Materials in major Indian Languages" proposed by Dr.Prathibha Karanth, Mr.R.Manjula, Ms. YV Geetha and Ms. KS Prema sanctioned by UNICEF is in progress. The materials have been prepared and will be field tested in 1991-92.

3. Project on Development of Video tapes of speech and hearing disordered cases for public education and training, taken up by Dr.Prathibha Karanth, Ms. R.Manjula, Ms. YV Geetha, Ms. Indira Kumari and Ms. KS Prema is in progress.

b) Projects under process

1) A project on "Developmental milestones in Language Acquisition in Indian Languages: Kannada and Hindi" proposed by Dr.Shyamala Chengappa and Mrs. Basanti Devi, Lecturers has been sanctioned by the ICSSR.

DEPARTMENT OF SPEECH SCIENCES

1. Project on "Speech oriented learning systems for the Handicapped (SOLSH)" funded by the Department of Electronics, Government of India.

2. Project on "Computer aided differential diagnosis of laryngeal disorders" funded by the Ministry of Health & Family Welfare, Government of India.

TABLE 1

NUMBER OF PATIENTS SEEN DURING 1991-92 IN 238 WORKING DAYS

New patients (first visit to the Institute)	8477
Repeat patients (Second & subsequent visit to the Institute)	13761
Patients seen - Rural -	3219
Urban -	5258
(Total 1991-92)	<u>8477</u>

TABLE II

Age-wise Distribution of new patients

<u>Age group</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
Below 5	989	665	1654
5 - 10	663	556	1219
10 - 20	960	678	1638
20 & above	2636	1330	3966
Total	<u>5248</u>	<u>3229</u>	<u>8499</u>

CLINICAL STATISTICS & MEDICAL RECORDS

TABLE III

Statement showing new patients seen Statewise (excluding
KR Hospital)

<u>Sl. No.</u>	<u>Name of the State</u>	<u>No. of patients</u>
1.	Karnataka	7710
2.	Kerala	391
3.	Andhra Pradesh	149
4.	Tamil Nadu	141
5.	Maharashtra	15
6.	Bihar	12
7.	Union Territories	11
8.	Uttar Pradesh	7
9.	Madhya Pradesh	6
10.	Rajasthan	6
11.	Assam	5
12.	Orissa	5
13.	Hariyana	5
14.	West Bengal	4
15.	Gujarat	3
16.	Punjab	2
17.	Goa	2
18.	Overseas	2
19.	Himachal Pradesh	1
	Total	<u>8477</u>

TABLE IV

Annual Statistics in respect of Department of Audiology

	<u>Total No. of</u> <u>patients seen</u>
Hearing Evaluation	6,066
Hearing Aid Trial	2,211
Impression taken for earmolds	2,996
Earmolds issued	1,341
No. of molds completed	2,994
Audiogram copies given	674
Certificates issued	474
Correspondence (Hearing evaluation/ re-evaluation/earmolds/technical information/miscellaneous)	668

TABLE V

Table showing number of patients seen for Psychological Evaluation

<u>Types of patients tested/evaluated</u>	<u>No.</u>
Mental Retardation	1076
Hearing Loss	793
Stuttering	292
Specific Delayed Speech & Language Disorders	248
Others	154
Misarticulation	95
Cerebral Palsy	51
Normal nonfluency	47
Micro-cephaly	20
Hyper Kinetic Syndrome	16
Voice problems	10
Infantile Autism	9
Post-Encephalitic Sequele	8
Meningitis	6
Functional Voice Disorders	5
Post Epileptic Sequele	4
Aphasia	4
Anxiety Neurosis	4
Schizophrenia	4
Dysarthria	3
Specific Learning Disability	2
Depression	2
Head Injury	1
	<hr/>
	2854
	<hr/>

New patients tested/evaluated 2438)
 Old patients tested/evaluated 416) = 2854

THERAPY: Total No. of patients received therapy = 113
 Total No. of sessions spent = 1453

Total No. of Certificates issued for M.R. Patients = 280

TABLE VI

ANNUAL STATISTICS OF THE DEPARTMENT OF ELECTRONICS

No. of hearing aids repaired	1,130
No. of repairs carried out for Institute's equipment:	
Major	78
Minor	81
Electrical repairs/installation	
Major	154
Minor	137
New equipments testing and certified (all Departments)	19
No. of Hearing Aids tested and certified received under the Aids and Appliances Acheme, Ministry of Welfare, GOI	1,232
Audio-visual system, video recording, public address system (all Departments)	
Video recording 20 minutes and 25 minutes	18
External Technical services on payment	4

TABLE VII

MEDICAL & SURGICAL SERVICES-DEPARTMENT OF ENT
(Otorhinolaryngology)

	<u>Old cases</u>	<u>New cases</u>	<u>Total</u>
Cases seen at AIISH	3595	7005	10600
Cases seen at KR Hospital	3818	4803	8621
	<u>Minor</u>	<u>Major</u>	<u>Total</u>
Operations performed	161	111	272
Microscopic procedures at AIISH			6733

TABLE VIII

Statistics of the Counselling and Diagnostic Section of the
Department of Speech Pathology

Month	Case History	Speech Evaluation	Counselling
April 1991	503	548	175
May 1991	528	572	175
June 1991	315	336	104
July 1991	359	397	122
August 1991	346	372	138
September 1991	332	357	121
October 1991	361	410	136
November 1991	306	317	93
December 1991	301	321	91
January 1992	340	361	101
February 1992	346	369	113
March 1992	291	313	110
Total	4328	4673	1479

Old cases seen during 1990-91 = 473
(April 1990 to March 1991)

No. of Hindi cases seen = 94

TABLE IX
PROSTHODONTIC LAB
ANNUAL STATISTICS 1991-92

Sl. No.	Case No.	Types of Prosthesis Done	No. of sessions
1	74694	Cleft palate prosthesis (self cure material)	6
		Cleft Palate Prosthesis (hot cure material)	9
2	74187	Cleft Palate Prosthesis	6
3	13588	Objurator Prosthesis	9
4	52192	Cleft Palate Prosthesis	8
5	54673	Cleft Palate Prosthesis	7
6	75695	Cleft Palate Prosthesis	11
7	66241	Speech Bulb Prosthesis	10
8	76199	Objurator Prosthesis	10
9	68383	Speech Bulb Prosthesis	10
10	54510	Objurator Prosthesis	6
11	76408	Cleft Palate Prosthesis	7
12	68979	Cleft Palate Prosthesis	5
		speech bulb prosthesis (hard material)	8
		Speech Bulb Prosthesis (Soft material)	8
13	77247	Cleft Palate Prosthesis	7
14	35367	Objurator Prosthesis	8
15	77622	Cleft Palate Prosthesis	6
16	77866	Cleft Palate Prosthesis	5
		Speech Bulb prosthesis (Hard material)	9
		Speech Bulb Prosthesis (soft material)	10
17	58033	Speech Bulb Prosthesis	8

Total No. of cases - 17
Total No. of sessions-173

[illegible]

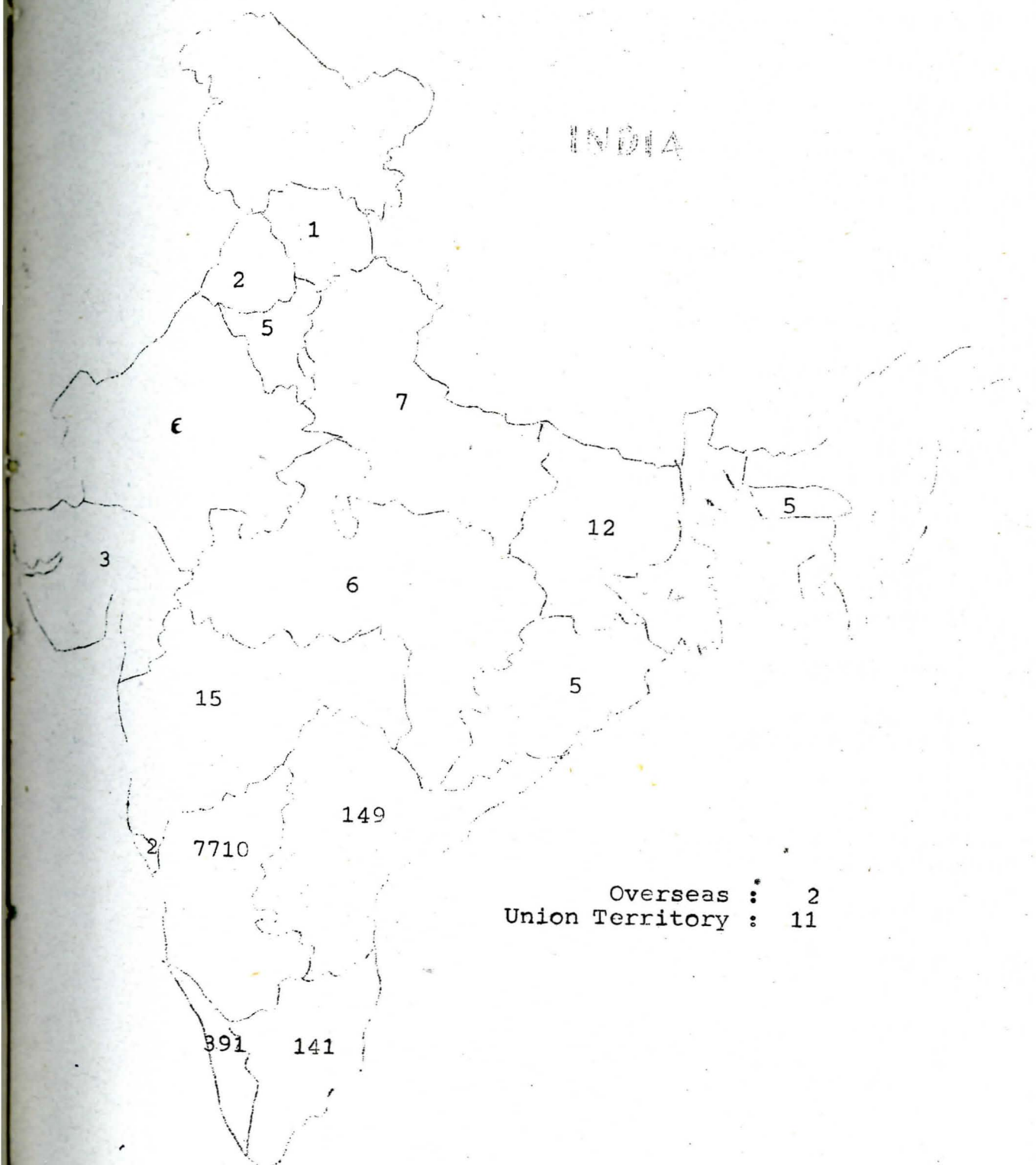
TABLE

DEPARTMENT OF SPEECH PATHOLOGY

Distribution of types of cases seen during 1991-92 (Apr-Mar)

	<u>No. of cases</u>	<u>Total</u>
I. Language Disorders		
1. Delayed Speech and Language (DSL)	240	
2. DSL with Mental Retardation	423	
3. DSL with Cerebral Palsy	53	
4. DSL with Autism	14	801
5. Aphasia	15	
6. Speech Regression	37	
7. Learning Disability	19	
II. DSL with Hearing Loss	994	994
III. Rhythm Disorders		
1. Stuttering	284	
2. Cluttering	5	345
3. Normal Non-fluency	56	
IV. Articulatory Disorders		
1. Misarticulation	135	
2. Cleft Palate	69	235
3. Dysarthria	31	
V. Voice Disorders		
1. Dysphonias	243	
2. Laryngectomee	3	246
		<hr/> 2,621
-Hearing loss cases without any associated speech and language disorders		1,605
-No. of cases counselled		1,180
-No. of cases re-evaluated		515

STATEWISE DISTRIBUTION OF NEW CASES SEEN AT THE INSTITUTE 1991-92



SUMMARY OF PROVISIONS FOR REVISED ESTIMATES 1991-92 & BUDGET ESTIMATE

PL

(Rupees in lakhs)

Sl. No.	Budget Head	B.E. 1991-92	R.E. 1991-92	B.E. 1992-93	Remarks
1.	Salaries	17.02	0.15	4.50	As against proposed allocation
2.	Allowances (other than Travel)	0.25	-	0.05	of Rs.69.70 lakhs the Ministry
3.	Travel expenses	0.50	-	-	has agreed to an allocation
4.	Payments to Professional services	-	-	0.05	Rs.20.00 lakhs only detailed
5.	Other charges	2.75	0.35	0.50	below.
6.	Equipment	14.00	3.00	21.05	Equipment & Health Edn. material X
7.	Capital works	32.18	16.50	22.20	X 3.50
8.	Contributions to Fund	0.30	-	-	
9.	Librarian & Documentation	0.25	-	-	
10.	Furniture	0.25	-	-	
11.	Advances to staff	1.50	-	-	
12.	Production of video tapes	0.70	-	-	
Total 1 to 7		69.70	20.00	48.35	Capital works 16.50
Receipts		-	-	-	20.00 lakhs
Net Demand		69.70	20.00	48.35	(Rs.1.00 lakh allocated for salaries was permitted to be used under equipment i.e. 2.50 1.00)
Allocation agreed to by Ministry		20.00	20.00	20.00	

ALL INDIA INSTITUTE OF SPEECH & HEARING: MYSORE-6

Summary of provision for Revised Estimates 1991-92 and Budget Estimates 1992-93 Non-Plan

Budget Head	B.E. 1991-92	R.E. 1991-92	B.E. 1992-93	Remarks
Salaries	67.31	59.74	65.45	
Allowances (other than travel)	0.95	1.00	1.25	
Travel expenses	1.25	0.75	0.90	
Stipend fellowship	4.08	4.10	4.10	
Other charges	8.00	8.00	11.00	
Contributions to funds	4.45	4.34	4.50	
Furnitures & fixtures	1.77	1.25	0.50	
Equipment	6.38	1.00	1.00	
Library & documentation	4.25	3.85	4.30	
ages (Security)	1.00	1.48	1.63	
Payments to professional services	0.35	0.69	0.75	
loans and advances to staff	1.08	4.35	5.75	
Minor works	1.50	0.80	1.80	
Total I to 13	102.37	91.35	102.93	
Receipts	2.37	4.75	4.93	
Net Demand	100.00	86.60	98.00	
Grants allocated by the Ministry	57.00	67.00	60.00	

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STAFF OF THE INSTITUTE AS ON 1.4.91 TO 31.3.1992

DIRECTOR

Dr(Ms) Shailaja Nikam

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	Vacant
4. Lecturer in Audiology	Ms Roopa Nagarajan M.Sc., (Sp. & Hrg.) M.S. (USA)
5. Lecturer in Audiology	Ms Asha Yathiraj M.Sc., (Sp. & Hrg.)
6. Lecturer in Audiology (Lien vacancy)	Ms K Rajalakshmi M.Sc., (Sp. & Hrg.)
7. Clinical Supervisor	Mr Animesh Barmen M.Sc., (Sp. & Hrg.)
8. Clinical Assistant	Ms Sowmyamala B.Sc., B.Ed.,
9. Research Assistant	Ms C S Vanaja M.Sc., (Sp. & Hrg.)
10. Research Assistant	Ms K R Revathi M.Sc., (Sp. & Hrg.)
11. Prosthetic Dental Mechanic	Mr G Nagarajan Dental Mechanic Course
12. Junior Stenographer	Ms R Rajalakshmi, SSLC
13. Clerk-cum-Typist	Mr S Mallaiah
14. Clinical Attendant	Mr Narayana
15. Mali	Mrs 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

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 Shayamala
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. Prosthetic Technician
Mr B Sudarshan
PUC, Dental Mechanic Course
13. Senior Stenographer
Ms N Parimala
B.Com., Dip.in S.P.
PG Dip. in Business Admn.
14. Clinical Attendant
Mr C Chowdiah

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 Science
Dr (Ms.) 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
Mr A Jagadish
M.Sc., (Sp. & Hrg.)
6. Senior Stenographer
Ms N Parimala
B.Com., Dip.in S.P.
PG Dip. in Business Admn.
7. Computer Operator
Ms S Lalitha
B.A., Computer Application
Certificate Course

CLINICAL PSYCHOLOGY:

- | | |
|---------------------------------------|--|
| 1. Professor and Head | Vacant |
| 2. Reader
and HOD I/c | 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 | Dr P Vidyasagar
M.A. (Psy) M.Phil,
M & S P, Ph.D. |
| 5. Lecturer in Clinical
Psychology | Vacant |
| 6. Assistant Lecturer | Mr Antony Thomas
M.A (Psy)
M.Phil, M & S.P. |
| 7. Clinical Psychologist | Vacant |
| 8. Clinical Assistant | Mr G Jayaram
M.A. (Psy) M.Phil (Psy.)
M.Phil (Med & Soc. Psy.) |
| 9. Research Assistant | Mr Y T Balakrishna Acharya
M.A. (Psy) |
| 10. Clinical Assistant | Mr Kalyan Kumar
M.A. (Psy) |
| 11. Senior Stenographer
Grade II | Mr T Keshavamurthy
M.A., |
| 12. Electrician | Mr M B Sadananda Murthy
SSLC, I.T.I. |
| 13. Peon | Mr S Siddaiah |

OTORHINOLARYNGOLOGY:

- | | |
|---------------------|---|
| 1. Professor & Head | Dr (Ms) M V Susheela
M.B.B.S. D.L.O.
M.S. (ENT) |
| 2. Reader | Dr K Rathna Sabhapathy
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 H Sunder Raj
M.B.B.S. |

- | | |
|----------------|---|
| 6. Staff Nurse | Ms M G Mariamma
Dip. (Gen. Nursing & Midwifery) |
| 7. Staff Nurse | Ms 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 SSLC |

ELECTRONICS:

- | | |
|--|---|
| 1. Electronics Engineer
(Sr. Gr. I) | Mr H S Satish B.E., |
| 2. Lecturer | Mr S S Murthy, M.Sc., (Tech) |
| 3. Electronics Engineer
Gr. II | 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. Jr. Technical Officer | Mr B N Balasubramanya B.E., |
| 7. Electrician | Mr Prakash
Wireman Examn. |
| 8. L.D.C. | Ms Nagalakshmi, B.A., |
| 9. Lab. Attendant | Mr Eshwara, SSLC
Wireman Trg. (3 months) |
| 10. Clinical Attendant | Mr M Shivashankara, SSLC. |

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 L. Prem Kumar B.A.

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, P U C |
| 5. Library Assistant | Mr R Ramesh Babu
B.Com., Cert. in Lib. Sc., |
| 6. Library Attendant | Mr K Chowdiah,
SSLC failed |
| 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 Sc. MRT Course |
| 3. Helper | Mr R H Venkatarame Gowda |

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. Peon | Mr Krishnaiah |

ACCOUNTS SECTION:

- | | |
|----------------------|-------------------------------------|
| 1. Accounts Officer | Mr N S Narayana |
| 2. Senior Accountant | Mr S L Vijayanarasimha
B.Com., |
| 3. Accountant | Mr K Purushothama
B.Com., LL.B., |

6. L.D.C/Cashier

Mr C Mallikarjunaiah
B.A.,

7. L.D.C.

Mr K Mohd. Kaleemulla
B.A.,

8. Clinical Attendant

Mr Subramanya

OFFICE & OTHERS:

1. Office Superintendent

Mr K H Radhakrishna
B.Com., M.A., Dip.in
Stenography

2. Hindi Translator

Ms H P Umasarawathi
B.Sc., M.A., RBP
Dip in Translation

3. U D C

Mr N Ramachandra Rao, SSLC

4. U D C

Mr G R Prakash
Dip.in Co-operation

5. U D C

Ms Anitha Baldevraj
B.A., Dip.in Office
Organisation and Procedure

6. U.D.C.

Mr M B Shankar

7. Jr. Stenographer

Ms H Sudha P.U.C.

8. Jr. Stenographer

Ms Susheela Bai, P.U.C.

9. Staff Car Driver

Mr M K Ramappa

10. Hindi-cum-English
Typist

Ms R Shanthi P U C RBP

11. L.D.C.

Mr C Kumaraswamy, P U C

12. Omni Bus Driver

Mr Govinda Shetty

14. Sr. Gestetner Operator

Mr Madhu

15. Peon

Mr Hoblaiah

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 Shubha, B.A.,

STORES:

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

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. Asst. Engineer | Vacant |
| 3. Jr. Engineer | Mr Gunda Sastry |
| 4. U D C | Mr N Ramchandra Rao |
| 5. Draughtsman | Vacant |
| 6. Peon | Vacant |

PUBLICITY & INFORMATION:

- | | |
|------------------------------------|---|
| 1. Publicity & Information Officer | Mr K Md. Fazlulla
M.A., B.L., |
| 2. Artist-cum-Photographer | Mr G V Ganeshaiah
Kalanipuna Diploma |

HORTICULTURAL SECTION:

- | | |
|------------------------|----------------|
| 1. Horticultural Asst. | Mr K Narayana |
| 2. Mali | Mr Mahadeva |
| 3. Mali | Mr Papanna |
| 4. Mali | Mr Madaiah |
| 5. Mali | Mr B Krishna |
| 6. Mali | Mr Chowdaiah |
| 7. Mali | Mr Manchaiah |
| 8. Mali | Mr K Srinivasa |

SECURITY:

- | | |
|---------------------|-----------------------|
| 1. Security Officer | Vacant |
| 2. Care Taker | Mr L Siddaiah 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 Cheluvareya Shetty |

SANITATION:

- | | |
|------------|-----------------|
| 1. Sweeper | Mr 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. Manager-cum-Salesman | Mr Nagaraj B.Com., |
| 2. Counter clerk-cum-cook | vacant |
| 3. Coffee-Tea Maker | Mr Gaviyappa |
| 4. Bearer | Mr Bheema |
| 5. Wash Boy | Mr Hanumantha |
| 6. Wash Boy | Mr Mahadeva S |

AIISH HOSTELS:

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

PROJECT STAFF:1. Better Mold Project (Dept. of Audiology):

- | | |
|------------------------|--|
| a) Research Officer | Ms P Manjula
M.Sc., (Sp. & Hrg.) |
| b) Research Officer | Ms G G Asha
M.Sc., (Sp. & Hrg.) |
| c) Research Asst. | Ms Ramadevi Sreenivas
B.Sc., (Sp. & Hrg.) |
| d) Research Asst. | Vacant |
| e) Junior Stenographer | Mr R K Sridhar, PUC |
| f) Technician | Mr M Nagaraju |
| g) Lab. Assistant | Mr M Basavaraju, B.A., |
| h) Lab. Assistant | Mr S Shivanna, B.A., |

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

- | | |
|--------------------|--------------------------|
| a) Research Fellow | Ms D Rekha M.A., |
| b) Research Fellow | Ms Vasantha Kumari M.A., |
| c) Part-time Clerk | Vacant |

3. SOLSH Project: (Department of Speech Sciences):

- | | |
|-----------------------|---|
| a) Research Officer | Ms H Rohini
M.Sc., (Sp. & Hrg.) |
| b) Research Assistant | Ms Sujatha V Shastry
M.Sc., (Sp. & Hrg.) |

VISITING SPECIALISTS FROM K.R. HOSPITAL:

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

TEACHING STAFF FROM GOVT. MEDICAL COLLEGE: MYSORE (PART-TIME):

- | | |
|---------------|---|
| 1. Neurology | Dr D A Ashok
Lec. in Neuro Surgery &
HOD Psychiatry |
| 2. Physiology | Dr K Raghothama Rao
Prof. & Head
Deptt. of Physiology |

- | | |
|------------------|--|
| 3. Pathology | Dr Parshwanath
Prof. of Pathology |
| 4. Anatomy | Dr Nanjaiah
Asst. Professor
Dept. of Anatomy |
| 5. Paediatrician | Dr Narayanappa
Asst. Prof. of
Paediatrics. |

TEACHING STAFF FROM C.I.I.L. (PART-TIME):

- | | |
|-------------|--|
| 1. Kannada | Mr K P Acharya |
| 2. Kashmiri | Mrs Lalitha Handoo
Research Assistant |

APPOINTMENTS:

- | | | |
|-------------------------|-------------------|---------|
| 1. Manager-cum-Salesman | Mr K Nagaraj | 3.10.91 |
| 2. Computer Operator | Ms S Lalitha | 1.11.91 |
| 3. Clinical Supervisor | Mr Animesh Burman | 31.3.92 |

SUSPENSION:

- | | | |
|---------------------------|-----------------|----------|
| 1. Administrative Officer | Mr S Shankar | 15.10.90 |
| 2. Peon | Mr Bhim Bahadur | 17.12.91 |

REINSTATED: Nil