

ANNUAL REPORT

1998-1999



ALL INDIA INSTITUTE OF SPEECH AND HEARING
MANASAGANGOTHRI, MYSORE - 570 006

ALL INDIA INSTITUTE OF SPEECH AND HEARING



ANNUAL REPORT 1998-1999



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INTRODUCTION

All India Institute of Speech and Hearing, Mysore, the first of its kind in the whole of South-East Asia, came into being on August 9, 1965 under the aegis of the Union Ministry of Health and Family Welfare, and is wholly financed by the Government of India. The Institute is registered as a Society under the Societies Registration Act XXII of 1860 (Punjab Amendment) Act 1957, and is functioning as an autonomous body.

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

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

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

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

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

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

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

The main avenues utilized by the Institute for disseminating information related to the various activities ranged from newspapers, articles and public education pamphlets, radio talks, exhibitions, audio-visual presentations besides publishing a specialized Journal, namely the Journal of All India Institute of Speech and Hearing.

OBJECTIVES OF THE INSTITUTE

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

I Training

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

II Research

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

III Clinical Services

- a) To provide and assist in providing clinical and surgical services for those with speech and hearing handicaps and ear, nose and throat diseases.
- b) To assist in the development of speech and hearing clinics in hospitals and other centres.

IV Public Education

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

V Administration and Financial

- a) To create administrative, technical, ministerial and other posts under the Society and to make appointments thereto in accordance with the rules and regulations of the Society.
- b) To appoint and hire services or discharge/terminate the services of personnel and to pay them in return for the services rendered to the Society, salaries, wages, gratuities, provident fund and other allowances or remuneration in accordance with the rules and regulations of the Society.
- c) To borrow and raise money and funds to further the objects of the Society and to raise or collect funds by gifts, donations, subscriptions or otherwise of cash and securities and any property either movable or immovable and to grant such rights and privileges to the donors, subscribers, and other benefactors as the Society may consider fit and proper.

- d) To invest and deal with funds and money of the Society.
- e) To subscribe to, or become a member of, or to cooperate or amalgamate with any other association or Society whose objects are similar.
- f) To sell, assign, mortgage, lease, exchange and otherwise transfer or dispose of all or any property movable or immovable, of the Society for the furtherance of its objects or any of them, provided prior approval of the Central Government is obtained for any disposition of immovable property.
- g) To negotiate and enter into contracts on behalf of the Society and vary and rescind such contracts.
- h) To accept and undertake the management of any endowment or trust fund or donation to further the objectives of the Society.
- i) To establish a contributory provident fund and gratuity for the benefit of the employees of the Society.
- j) To pay all costs, charges and expenses incurred in the promotion, formation, establishment and registration of the Society.
- k) To do all such other lawful acts, deeds, things either alone or in conjunction with other organization or persons as the Society may consider necessary, incidental or conducive to the attainment of the above mentioned objectives or any of them.
- l) To undertake any other function that may be assigned to the Society by the Ministry of Health and Family Welfare (Department of Health), Government of India in connection with speech and hearing.

GOVERNING AUTHORITIES OF THE INSTITUTE**EXECUTIVE COUNCIL**

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

Chairman

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

Vice-Chairman

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

Member

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

Member

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

Member

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

Member

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

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

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

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

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

Three nominees of Chairman,
Executive Council **Members**

One nominee of the Director, AIISH **Member**

Director,
All India Institute of Speech and Hearing
MYSORE 570 006. **Member-Secretary**

FINANCE SUB-COMMITTEE

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

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

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

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

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

| | |
|---|------------------|
| Director | Member-Secretary |
| All India Institute of Speech and Hearing | |
| MYSORE 570 006. | |

ACADEMIC SUB COMMITTEE (Under Revision)

| | |
|---|------------------|
| Director Medical Education, Government of Karnataka BANGALORE 560 009. | Chairman |
| Deputy Director General of Health Services Medical Education, Government of India Nirman Bhavan NEW DELHI 110 011. | Member |
| Director Central Institute of Indian Languages MYSORE 570 006. | Member |
| Heads of Departments of Audiology Speech Pathology, Speech Sciences, ENT, Clinical Psychology, Electronics All India Institute of Speech and Hearing, MYSORE 570 006. | Members |
| Professor Emeritus, NIMHANS BANGALORE 560 029. | Member |
| One Representative from University of Mysore University of Mysore MYSORE 570 005. | Member |
| Director Institute of Speech & Hearing BANGALORE 560 084. | Member |
| Principal Government Medical College MYSORE 570 021. | Member |
| Director All India Institute of Speech & Hearing MYSORE 570 006. | Member-Secretary |

FROM THE DESK OF THE DIRECTOR

HIGHLIGHTS OF THE YEAR 1998-99

The XXXXIV Meeting of the Executive Council held in November was a major highlight. A number of important decisions were taken under the Chairmanship of Sri.Dalit Ezhilmalai, Hon'ble Minister of State (Independent charge) for Health and Family Welfare one of which was increasing the retirement age.

The Finance Sub-Committee considered and approved implementation of the earn-while-you-learn scheme and charging tuition fee for the trainees. The former is expected to ease the pressure felt due to shortage of technical/professional staff.

ACADEMIC ACTIVITIES

Achieving the main objective of the Institute that of generating manpower in the field of speech and hearing has kept the faculty on its toes. The Institute continues to maintain the A-1 status in this area. So far 677 B.Sc., 470 M.Sc., and 21 Ph.D degree have been awarded. Filling up five teaching faculty posts has augmented the existing manpower for academic activities.

In-house symposia were held for the first time to review and revise the calibration procedures, hearing aid repair and servicing, follow-up and extension services. The outcome was developing a protocol for calibration of audiometres in keeping with the state-of-the art instruments available in the Institute, and developing a 3-tier system for hearing aid repairs with the result that hearing repairs were carried out speedily and increased patient satisfaction. Similarly, follow-up of patients seen was modified to include in-person follow-up through telephones and letters.

Faculty improvement program was initiated through lectures and informal interaction with scientists and scholars of International repute. Interaction with the University of Mysore faculty on the admission requirements to B.Sc., and M.Sc., training program led to the introduction of entrance test for the first time at the M.Sc., level.

A workshop on 'Optimum Teacher-Student Ratio' gave an opportunity to take a close look at human resources and its augmentation with reference to increasing the student in-take.

The student trainees and the faculty did the Institute proud by winning several awards at the annual Indian Speech and Hearing Conference held in Chandigarh.

Research projects funded by external agencies such as ICSSR and also supported from the grant-in-aid of the Institute have been in progress.

The staff kept up their professional vitality in attending workshops, conferences.

The reconstitution of the Academic Sub-Committee continues to be awaited.

SERVICE ACTIVITIES

The clinical services which started as a ground for practical training, have expanded as referral services. Efforts are made to procure state-of-the-art equipment required for diagnosis and rehabilitation of communication disorders.

Screening of school-going children for speech and hearing problems initiated in the 1970's has been continued over the years, utilizing the newer instruments procured which has increased the number of children tested per unit of time.

Visits to the maternity wards for early identification served the dual purpose of having the student-trainees get first hand experience in observing the infant responding to auditory stimuli, in administering the high-risk check-list developed at the Institute, and in educating the mother on the importance of the sense of hearing. The requisite instruments, such as the screening ABR have been procured by the Institute for carrying out such programs effectively.

Interaction with the FPAI rural population has also been brought into our service ambit. The anganwadi workers, medical professionals and the village folk are all oriented regarding the identification and management of speech and hearing problems and the prevention of such problems.

Seven thousand twenty six children were screened at the Pulse Polio Immunization centres in the city, a program initiated three years ago. Eight hundred and seventy eight were referred to Institute, for further clinical assistance.

Every letter received from potential and actual users of our services area was answered promptly.

ADIP Scheme

Since the inception of the scheme in 1983 by the then Ministry of Welfare, Government of India, the Institute is one of the agencies through which the hearing-impaired have received the Government largesse in the form of fully and partially subsidized hearing

aids. The Institute through its representation in the technical committee constituted by the Ministry of Welfare has played a major role in the selection of suitable hearing aids after ensuring their conformity with ISI specification following electroacoustic measurements on each model. With Government assistance the Institute has distributed 22,849 hearing aids since 1981, and 2515 during the year under report.

Along with the hearing aid, a number of public education pamphlets were distributed. These pamphlets prepared by the Institute staff get revised periodically. The recipients of the hearing aids are called time and again for follow-up to further instruct them in the use and maintenance of hearing aids. To our knowledge such personal and elaborate counselling and follow-up is done only in our Institute.

DONATIONS

Donations to the Institute come in various forms and magnitude. The Patient Welfare Fund boxes kept in strategic places are easily accessible for the public to offer their contributions. Those who make donations do so and obtain receipts.

Donations were also received in kind. One of the Philanthropists got printed and donated to the Institute 5000 copies of the brochures as per our design and requirements.

Noteworthy contribution was from a brother of a student who donated the money meant for the celebration of his birthday.

A souvenir of the Institute in the form of a picture postcard was got printed through donations received. The photograph used for the purpose was taken by the internationally acclaimed photo-journalist, Shri T.S.Satyan. The cards also serve as vehicles of publicity for the Institute as well as for increasing public awareness through the slogans carried on it.

WHO

The Institute has benefited immensely from the biennial grants from WHO since 1992. WHO has released two fellowships of our staff for the current year. So far three who received such fellowships, visited centers of advance learning in U.S. and Europe. It has also approved upgradation of two Speech and Hearing Centres in Indore and Guwahati. Seminars and workshops funded by WHO are slated for later in the year.

GRANTS RECEIVED FOR THE YEAR

Grants received from the Ministry of Health and Family Welfare were utilized for meeting the committed expenditure. Implementing the programs proposed under the IX Plan have brought winds of change blowing across the technical/ professional, community and service activities. Total grants received under Plan and Non-plan amounted to 1,50,00,000 and 1,87,00,000 respectively.

Internal revenue generated was substantial. Sources identified in the previous years gave a rich yield. A few more sources were identified such as charging for earmolds issued to beneficiaries under the ADIP scheme. Charges levied previously were revised upwards.

CELEBRATIONS

World Day of Disabled during third week of March saw the therapy children going for a picnic. The International Women's Day prompted us to arrange thought provoking lectures on "Legal Empowerment of Women", "Yoga and Naturopathy" and "Food and Nutrition for Women".

Sadbhavana Diwas and Communal Harmony Fortnight was observed during the year. The NSS unit gave an eleven point program to build-up spirit of communal harmony.

The anniversary celebrations of the Institute is an occasion for our self-assessment, an opportunity for the staff and students for interacting informally through sports and cultural meets. The 33rd Anniversary was celebrated on 9th August with traditional gaiety. The Former Chief Justice of Karnataka High Court, Justice Mr. Nittoor Srinivasa Rao who was also a freedom fighter and Padmashree Dr. R.M. Verma, Professor Emeritus and former Director of NIMHANS were the chief guests.

CAMPS

The summer holidays of the hearing-impaired children attending therapy for speech and language were made use of to provide basic knowledge in yoga and craft work. As a part of the celebrations of 50 years of country's Independence a sales cum exhibition of articles made by the handicapped children was conducted on a large scale and it was very successful. The Chairman of the Karnataka Exhibition Authority inaugurated the exhibition and distributed mementos to the participants. In addition to this a get-together of hearing aid users was conducted. Fifty hearing aid users participated and gave certain suggestions to improve facilities for the hearing

handicapped people. The first citizen, the Mayor of Mysore distributed hearing aids to the identified beneficiaries.

On the invitation of voluntary service organizations Speech and Hearing camps were conducted at five different rural based areas. A total no.of 1530 cases were examined for different communication disorders. Persons were identified to give hearing aids free of cost under ADIP Scheme.

AWARDS/PRIZES

Awards instituted in the previous years were given for the first time - one for the "Best Student Clinician" and the other for "Best Mother of the year" award, both instituted by the former staff of the Institute.

At the annual Dasara Horticulture competitions 17 prizes were awarded to the Institute. Entire garden area was rejuvenated. The lawn, flower beds, rosery and nursery were eye catching.

EXHIBITIONS

The print as well as electronic media extended their full cooperation in creating greater awareness among the general public. Exhibitions were also arranged exclusively for school children, NCC Cadets, bank employees and their families and for the members of Women's Associations, Clubs.

The Institute participated in the Annual Dasara Exhibition by putting up a separate stall which attracted huge number of visitors for the duration of the exhibition. The uniqueness of the exhibition was the daily hearing check-up for all the visitors. A souvenir and a certificate of participation was awarded on the conclusion of the exhibition.

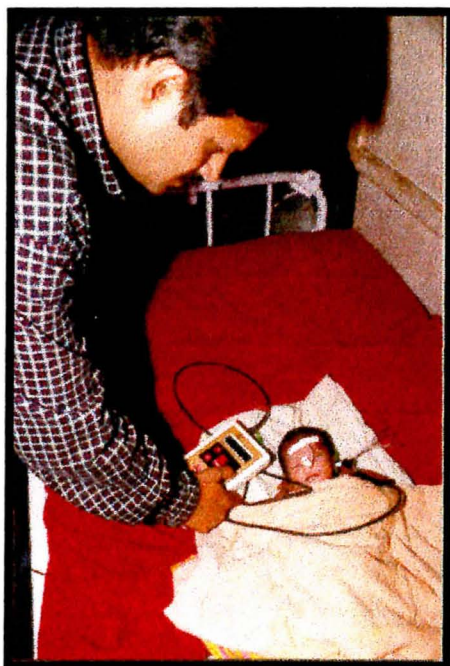
ACKNOWLEDGEMENTS

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



*Inauguration of the
workshop on "Optimum
Student-Teacher Ratio
in the field of
Speech & Hearing"*

*Infant bearing screening
in a local hospital*



*Students involved in
NSS activities*



*Hearing aid
servicing*



*Hearing aid
users' camp*



*Computerized
Speech / Language analysis*

TRAINING

The primary objective of the Institute is to train under-graduate, post-graduate and doctoral students in the field of Speech and Hearing to serve the speech and hearing handicapped in India. The Student trainees are given training as per the course of study approved by the University of Mysore.

Periodical tests are conducted and assignments are given by the academic staff to the students. Annual examinations of B.Sc., M.Sc., as well as supplementary for B.Sc., are conducted as prescribed in the Manual of Conduct of Examinations issued by the University of Mysore.

Under-graduate and Post-graduate Programs

(a) Admission Details

A total of 212 applications for B.Sc., and 53 applications for M.Sc., were received. Selection Committee Meetings were held on 2.7.98 and 5.8.98 for B.Sc. & M.Sc. respectively and admissions for I B.Sc., and I M.Sc., were made according to the Rules and Regulations of the University of Mysore. The zonal-wise distribution of students admitted is as follows :

| | I B.Sc | | I M.Sc | |
|--------------------------------------|--------|----|--------|----|
| | M | F | M | F |
| General merit | * | 7 | 3 | 16 |
| North Zone | 1 | 2 | ** | ** |
| East Zone | 5 | * | ** | ** |
| West Zone | * | 3 | ** | ** |
| South Zone | 1 | 3 | ** | ** |
| SC/ST | 4 | 2 | * | 4 |
| Foreign | 1 | 1 | ** | ** |
| Inservice | ** | ** | * | * |
| * No candidates ** Not Applicable | | | | |

(b) Students Enrolled in the Course

| B.Sc., | | | M.Sc., | |
|---------------------|---------------------|---------------------|--------------------|--------------------|
| I | II | III | I | II |
| M F | M F | M F | M F | M F |
| <u>12</u> <u>18</u> | <u>13</u> <u>18</u> | <u>14</u> <u>15</u> | <u>3</u> <u>20</u> | <u>5</u> <u>15</u> |
| 30 | 31 | 29 | 23 | 20 |

(c) Annual Examination Results

| | <u>No. of Passes</u> | | |
|------------|----------------------|----------|-----------|
| | I Class | II Class | III Class |
| III B.Sc., | 14 | 6 | 1 |
| II M.Sc., | 13 | 9 | - |

(d) Merit Scholarships

Ten AIISH merit scholarship each for I, II and III B.Sc students were awarded and five and six scholarships were awarded for I and II M.Sc., students respectively.

(e) No. of courses taught

| Name of the Department | B.Sc., | | | M.Sc., | |
|------------------------|--------|----|-----|--------|----|
| | I | II | III | I | II |
| Audiology | 1 | 2 | 3 | 2 | 2 |
| Cli. Psychology | 1 | 1 | 3 | 2 | 1 |
| Electronics | 1 | * | * | * | 1 |
| Otorhinolaryngology | * | 1 | * | 1 | * |
| Speech Pathology | 1 | 1 | 3 | 1 | 2 |
| Speech Science | 1 | 1 | * | 1 | * |
| * Not applicable | | | | | |

Faculty from JSS Medical College were appointed to teach Anatomy, Physiology, Pathology, Paediatrics to the B.Sc., students and Neurology to the B.Sc., & M.Sc., students. Kannada and Assamese were taught to I B.Sc., students.

Dissertations and Independent Projects

Post-graduate students carried out dissertations and Independent Project work under the guidance of the staff of the Institute. The following table shows the Independent Projects and Dissertations undertaken during the year :

Dissertations completed

| Sl.No. | Reg.No. | Title | Guide |
|--------|---------|---|----------------|
| 1 | M 9601 | Application of Neural Network for Classification of Voice Disorders. | Dr.Nataraja NP |
| 2. | M 9602 | Variables Related to LongTerm Average Spectrum of Voice. | Dr.Nataraja NP |
| 3. | M 9603 | Deep Test of Articulation in Hindi. | Dr.Savithri SR |
| 4. | M 9604 | Acoustic Analysis of Prosody of Malayalam Speaking Geriatric Population | Dr.Nataraja NP |
| 5. | M 9605 | CDS in Normal and Hearing-Impaired children. | Dr.Shyamala KC |
| 6. | M 9606 | Acoustic Analysis of Prosody of Malayalam Speaking Deaf Children | Dr.Nataraja NP |
| 7. | M 9607 | Acoustic Analysis of Speech of Kannada Speaking Deaf Children. | Dr.Nataraja NP |
| 8. | M 9608 | Acoustic Analysis of Speech of Tamil Speaking Deaf Children. | Dr.Nataraja NP |

| Sl.No. | Reg.No. | Title | Guide |
|--------|---------|--|----------------|
| 9. | M 9609 | Acoustic Analysis of Speech of Stage Artists. | Dr.Nataraja NP |
| 10. | M 9610 | Acoustic Analysis of Speech of Punjabi Speaking Deaf Children. | Dr.Nataraja NP |
| 11. | M 9611 | Factors in Normal and abnormal Voice. | Dr.Nataraja NP |
| 12. | M 9612 | Acoustic Analysis of Speech of Malayalam Speaking Deaf Children. | Dr.Nataraja NP |
| 13. | M 9613 | Acoustic Analysis of Prosody of Kannada Speaking Deaf Children. | Dr.Nataraja NP |
| 14. | M 9614 | Acoustic Analysis of Prosody of Telugu Speaking Deaf Children. | Dr.Nataraja NP |
| 15. | M 9615 | Acoustic Analysis of Speech of CP Children. | Dr.Nataraja NP |
| 16. | M 9616 | Analysis and Synthesis of Hoarse Voice. | Dr.Nataraja NP |
| 17. | M9617 | Study of Selected Variables in Speaker Identification. | Dr.Nataraja NP |
| 18. | M 9618 | Perception and Production of Stress in Aphasics. | Dr.Nataraja NP |
| 19. | M 9620 | Acoustic Analysis of Prosody of Punjabi Speaking Deaf Children. | Dr.Nataraja NP |
| 20. | M 9621 | Analysis and Synthesis of Speech of Stutterers. | Dr.Nataraja NP |

| Sl.No. | Reg.No. | Title | Guide |
|--------|---------|--|----------------|
| 21. | M 9622 | Acoustic Analysis of Prosody in Alaryngeal Speech. | Dr.Nataraja NP |
| 22. | M 9623 | Earlier Diagnosis of Abnormalities Based on Infant Cry Analysis. | Dr.Nataraja NP |

Independent projects completed

| Sl.No. | Reg.No. | Title | Guide |
|--------|---------|---|------------------|
| 1. | M 9701 | Comparison of ABR Obtained Through Air-Conduction and Bone-Conduction. | Animesh Burman |
| 2. | M 9702 | A Review on Audiological Findings in NIHL. | Manjula P |
| 3. | M 9703 | Educating the Educators on Hearing-Impairment. | Dr.Asha Yathiraj |
| 4. | M 9704 | Verbal Auditory Training Material in Tamil. | Dr.Asha Yathiraj |
| 5. | M 9705 | Efficacy of Street Plays. | Animesh Burman |
| 6. | M 9707 | Effect of Electrode Montage on ABR. | Animesh Burman |
| 7. | M 9708 | Attenuation of EPDs. | Manjula P |
| 8. | M 9709 | Input-output Function of DPOAE in SN Loss Patients. | Vanaja CS |
| 9. | M 9710 | Post-Kernicterus Sequelae and Hearing Loss. | Dr.Rajalakshmi K |
| 10. | M 9711 | A Feasible Way to Prescribe Hearing Aids for the Mild-to-Moderate Hearing-Impairment. | Dr.Asha Yathiraj |

| Sl.No. | Reg.No. | Title | Guide |
|--------|---------|---|------------------|
| 11. | M 9712 | Cost-effective Alternative Devices for Hearing Screening. | Manjula P |
| 12. | M 9713 | Intelligibility of Filtered Speech. | Vanaja CS |
| 13. | M 9715 | Late Evoked Potentials in Learning Disabled Children. | Vanaja CS |
| 14. | M 9716 | Comparison of ABR Obtained Using Tone Bursts and Click. | Vanaja CS |
| 15. | M 9717 | Communication Strategies-An Evaluation of Its Effects on Communication Needs of the Hearing-Impaired. | Dr.Asha Yathiraj |
| 16. | M 9718 | Acoustic Spectrum of Noise Makers. | Manjula P |
| 17. | M 9719 | A Video Script on Prevention of Hearing Loss. | Dr.Rajalakshmi K |
| 18. | M 9720 | Review of Non-Audiological Tests in Detection of Auditory Disorders. | Vanaja CS |
| 19. | M 9721 | Review on Systemic Diseases and Hearing Loss. | Dr.Rajalakshmi K |
| 20. | M 9722 | Tinnitus - A Review of Literature From 1991-97. | Animesh Barman |
| 21. | M 9723 | Speech Identification Test for Children in Kannada. | Dr.Asha Yathiraj |

Dissertation under progress

| Sl.No. | Reg.No. | Title | Guide |
|--------|---------|---|----------------|
| 1. | M 9701 | Effect of Contralateral Acoustic Stimulation on SOAES. | Vanaja CS |
| 2. | M.9702 | Spectrographic Analysis of Speech of Glassectomees. | Dr.Nataraja NP |
| 3. | M.9703 | Pragmatic Abilities of Autistics and Mentally Retarded Children. | Dr.Shyamala KC |
| 4. | M.9704 | Perceptual and Acoustic Analysis of Dysarthria and Speech of Normal Geriatrics. | Dr.Manjula R |
| 5. | M.9705 | Acoustic Analysis of the Speech of Bengali Speaking Hearing-Impaired Children. | Dr.Nataraja NP |
| 6. | M.9707 | Prediction of Audiometric Configuration Using Click ABR. | Vanaja CS |
| 7. | M.9709 | Traumatic Brain Injury in Adults: An Assessment Protocol. | Dr.Shyamala KC |
| 8. | M.9710 | Acoustic Analysis of Speech of Tamil Speakers. | Dr.Nataraja NP |
| 9. | M.9711 | A Study of Pragmatic Aspects in the Right Hemisphere Damage. | Dr.Shyamala KC |
| 10. | M.9712 | Analysis and Synthesis of Speech of Telugu Speaking Hearing-impaired Children. | Dr.Nataraja NP |

| Sl.No. | Reg.No. | Title | Guide |
|--------|---------|--|----------------|
| 11. | M.9713 | Analysis and Synthesis of Hoarse Voice. | Dr.Nataraja NP |
| 12. | M.9715 | Perception of Voicing in Patients With Cerebellar Disorders. | Dr.Savithri SR |
| 13. | M.9716 | Non-Linearity in Rate of Speech Production. | Dr.Nataraja NP |
| 14. | M.9717 | Study of Effect of Nasal Fatigue in Smokers and Dysphonics. | Vanaja CS |
| 15. | M.9718 | Prevalence of Speech and Language Disabilities in Children : A Survey of 5000 Case Files at AIISH. | Dr.Shyamala KC |
| 16. | M.9719 | Multidimensional Profile of Voice in Dysphonics. | Dr.Nataraja NP |
| 17. | M.9720 | Intonation Patterns in Bengali Speakers Under Different Emotional Conditions. | Dr.Nataraja NP |
| 18. | M.9721 | Comprehension Defects in Bilingual Aphasics. | Dr.Shyamala KC |
| 19. | M.9722 | Analysis of Nasal Consonants in Malayalam. | Dr.Nataraja NP |
| 20. | M.9723 | Analysis of Intonation in Normals and Dysarthrics: Declaratives and Interrogatives. | Dr.Manjula R |

Independent projects under progress

| Sl.No. | Reg.No. | Title | Guide |
|--------|---------|--|------------------|
| 1. | M.9801 | Insight into Testing and Management of the Deaf -Blind - A Review. | Dr.Asha Yathiraj |
| 2. | M.9802 | Audiological Rehabilitation of CAPD - A Review. | Manjula P |
| 3. | M.9803 | Audiological Findings in Autistics - A Review. | Animesh Barman |
| 4. | M.9804 | Candidacy for Binaural Amplification Using Mercon Method. | Manjula P |
| 5. | M.9805 | VRA Versus BOA - A Review. | Dr.Asha Yathiraj |
| 6. | M.9806 | Sudden Deafness - A Review. | Dr.Rajalakshmi K |
| 7. | M.9807 | Master Your Concepts in CAD: A Question Bank. | Vanaja CS |
| 8. | M.9808 | Effect of Intensity Deviance on Mismatch Negativity. | Vanaja CS |
| 9. | M.9809 | Developmental Changes in Mismatch Negativity. | Vanaja CS |
| 10. | M.9810 | High Frequency Audiometry -A Review. | Dr.Rajalakshmi K |
| 11. | M.9811 | Workbook on Masking. | Animesh Barman |
| 12. | M.9812 | A Picture Speech Identification Test in Tamil for Children. | Dr.Asha Yathiraj |
| 13. | M.9813 | A Study on Binaural Interaction of Auditory Brain Stem Response. | Vanaja CS |

| Sl.No. | Reg.No. | Title | Guide |
|--------|---------|---|------------------|
| 14. | M.9814 | Acclimatization in Hearing Aid Users. | Manjula P |
| 15. | M.9815 | State-of-the Art of Hearing Aids Technology - A Review (1990-98). | Manjula P |
| 16. | M.9816 | Updating Handout Material on Speech Audiometry - A Review | Dr.Rajalakshmi K |
| 17. | M.9817 | Speech Perception in Cochlear Implants - A Review (1993-98) | Manjula P |
| 18. | M.9818 | Performance of Stutterers on Diochotic CV Test. | Dr.Asha Yathiraj |
| 19. | M.9819 | Primary Auditory Neuropathy -A Review. | Dr.Rajalakshmi K |
| 20. | M.9820 | Resource Material for Acoustical Treatment of Audiological Test Rooms: Material Available in India. | Dr.Asha Yathiraj |
| 21. | M.9821 | Distortion Product Otoacoustic Emission Findings in Conductive Hearing Loss. | Animesh Barman |
| 22. | M.9822 | A Tutorial on Acoustic Immittance Measurements. | Animesh Barman |
| 23. | M.9823 | The Effect of Reference Microphone Positions on Sound Pressure Level in Normal Hearing Individuals. | Dr.Rajalakshmi K |

CLINICAL PRACTICUM AT AIISH

The students were posted to various departments. The number of hours of postings to different departments are as follows:

| | B.Sc., | | | M.Sc., | |
|--|-------------|-------------|-------------|-------------|-------------|
| | I | II | III | I | II |
| i. Diagnostics | | | | | |
| Audiology | 900 | 1860 | 2900 | 1380 | 2000 |
| Clinical Psychology | 900 | 1860 | 2900 | 1380 | 1000 |
| Electronics | 900 | * | * | * | 1000 |
| Otorinolaryngology | * | 1860 | * | 1380 | * |
| Speech Pathology | 450 | 930 | 2900 | 690 | 2000 |
| Speech Sciences | 450 | 930 | * | 690 | * |
| ii. Therapy ** | 3600 | 7440 | 8700 | 5520 | 6000 |
| <p>* No postings.</p> <p>** for patients of all ages and various communication disorders such as Hearing-Impaired, Delayed Speech, Misarticulation, Voice Disorders, Stuttering, Aphasia, Learning Disabilities etc.</p> | | | | | |

Extension Services - Field Work

The extension service involved student postings in Krishnarajendra Hospital, Mysore, to Paediatric adult and Psychiatry wards, Physiotherapy and Plastic Surgery Units, Infant Screening, School Screening and Screening the Geriatric Population in old age homes.

Awards

Doctorates

| | | |
|--------------------------------------|----|-----|
| 1. Candidates working for Ph.D., | .. | 5 |
| 2. Candidates who were awarded Ph.D. | .. | 5 |
| 3. Candidates registered | .. | Nil |

Guest Lectures

Nine Guest Lectures were held as follows:

| Sl.No. | Name | Lecture on | Date | Total No. |
|--------|---|---|-----------------------------|-----------|
| 1. | Dr P Bhaskara Rao Prof, Tokyo University, Japan | Synthesis of Speech | 4.8.98 | 2 |
| 2 | Ms Megha Sundara Research Associate Montreal University Canada | Speech Perception | 11.8.98 | 1 |
| 3. | Dr. MA Yadugiri Prof. Dept. of English Ganagangothri Bangalore | Technical Writing | 4.2.99 | 2 |
| 4. | Dr. MS Bhaskar No.1226, G&H Block 3rd Cross, Kuvempunagar Mysore - 23 | Cerebro-Vascular Accidents and Their Management | 4.3.99 5.3.99 11.3.99 | 3 |
| 5. | Dr. TV Ananthapadmanabha No.53, Girinivas 13th Cross, Malleshwaram Bangalore - 3 | Digital Signal Processing | 11.3.99 | 1 |

Short-term Training Programme

19 Short-term training programmes were conducted as follows:

| Sl.No. | Topic | Department | Trainees from |
|--------|---|--------------------------------|--|
| 1. | Speech Production | Speech Science | Teachers Sai Ranga Vidya Samsthe Mysore |
| 2. | Speech & Language Development of Hearing-Impaired Children | Speech Pathology | Teachers Sai Ranga Vidya Samsthe Mysore |
| 3. | Earmolds | Audiology | Mr Sandeep Mysore, Karnataka |
| 4. | Earmolds | Audiology | Mr Sudeep Mysore, Karnataka |
| 5. | Hearing Aid Repair | Electronics | Mr.Arun Raj P Mysore, Karnataka |
| 6. | Aspects of Articulation | Speech Pathology | B.Ed., Students Sri Padmavathi Mahila Vishwavidyalayam, Tirupati |
| 7. | Evoked Response Audiometry | Audiology | -do- |
| 8. | Normal Development of Speech & Language | Speech Pathology | 10 Students Divya Shanthi Special School, KGF |
| 9. | Early Identification of Speech and Hearing Disorders | Speech Pathology/ Audiology | -do- |

| Sl.No. | Topic | Department | Trainees from |
|--------|---|------------------|---|
| 10. | Misarticulation | Speech Pathology | 10 Students Divya Shanthi Special School, KGF |
| 11. | Speech & Language of the MR Child | Speech Pathology | -do- |
| 12. | Basic Anatomy and Physiology of the Auditory System | Audiology | -do- |
| 13. | Causes of the Hearing Loss | Audiology | -do- |
| 14. | Hearing Aid Repair | Electronics | Mr.Sudheep Mysore, Karnataka |
| 15. | Acoustic Phonetics Spectrography | Audiology | 12 3rd B Sc & Students SRMC, Chennai |
| 16. | Otoacoustic Emissions | Audiology | -do- |
| 17. | Noise Measurement & Hearing Conservation | Audiology | -do- |
| 18. | Evoked Response Audiometry | Audiology | -do- |
| 19. | Earmold Making | Audiology | N. Haridas Mysore, Karnataka |

Workshops

1. A workshop on "Optimum Teacher Student Ratio" sponsored by the Institute was conducted on 6.8.98. Thirty participants within and outside the Institute participated in the workshop.

2. A round table meeting on admission requirements to B.Sc and M.Sc was held on 2.12.98
3. Staff interactions with various professionals were held as follows :
 - a) Prof. MN Hegde, University of California, Fresno, USA from 23.2.98 to 24.2.98 on Training, Clinical Services, Documentation and Research.
 - b) Prof. PG. Patel, University of Ottawa, Montreal, Canada, on 3.2.99 on Reading, Writing and Psycholinguistics, Bilingualism.
4. Prof. R.M.Verma, Prof. Emeritus and Neurosurgeon, NIMHANS, Bangalore on 8.8.98.

Students' Association

The students participated in Pulse Polio programmes and camps. They attended five day NSS camp at Odayara Palya, Kollegal Taluk. Several cultural & Sports activities were held. Twenty Three students attended ISHA conference held at Chandigarh and presented the following papers :

1. Format Frequency Fluctuations (FFF), F2, F0, Variations and Vowel Duration in the Fluent Utterances of Stuttering and Normally Nonfluent Children
Prakash B., Sarah Jacob, Dr. Savithri
2. Does Bilingualism Interact With Stuttering?
Kamalesh, Ms. Hia Datta, Dr. SR Savithri
3. Threshold Estimation Through Different Montages
Krithika R. Iyengar, Chandan Saha, Animesh Barman
4. Spectral analysis of ABR to Tone Burst
Hia Dutta, Chandan Saha, Vanaja CS
5. Effects of Contralateral Stimulation on ABR
Chandan Saha, Vanaja CS

6. Effects of Rate on ABR Recorded Through Different Montages.
Piyali G Mitra, Chandan Saha, Animesh Barman
7. Development of Rate of Speech.
Vijayakumar G., Dr. SR Savithri
8. Applicability of Click Evoked BC ABR in Assessing Middle-Ear Status.
Sharad Govil, Aniket Saoji, Amit Gupta, Animesh Barman
9. Age Related Changes on High Frequency Audiometry.
Amit Gupta, Animesh Barman
10. Comparison of Puretone Threshold : Insert Earphone Vs Headphone
Sharad Govil, Animesh Barman
11. The Origin and Nature of 3 ms.Latency Evoked Neural Response .
Vinay SN, Aniket Saoji, Animesh Barman
12. Volume Control Taper Characteristics on Indian Behind the Ear Hearing Aids.
Vinay SN, Dr. K. Rajalakshmi
13. Paediatric Tinnitus
Arushi Chandra, Kunti Kumar

Mr. Sharad Govil, Mr. Aniket Saoji and Mr. Amit Gupta won the best paper award in Audiology.

A Sadbhavana fortnight was also conducted from 20.8.98 to 5.9.98

Science Day was conducted on 7.3.99. As a part of this Science ek-minute, memory game, quiz, treasure hunt and presentation on metaphone theory were held.

The students also conducted a musical programme for the aged at Sri Bharathi Vruddha Sevashrama, Mysore on the occasion of Deepavali and at the JSS Suttur Mutt, Mysore on 7.3.99.

CLINICAL SERVICES

As in the previous years clinical services were provided to the patients through diagnostic, therapeutic and counselling sessions conducted in different departments. On completion of all the diagnostic procedures patients with speech, language and hearing disorders were advised therapy in the therapy clinic.

Hearing Evaluation - Audiological evaluation of patients with complaints of hearing-impairment was made by administering either some or all of the following tests : puretone audiometry, speech audiometry, immittance audiometry, behavioural observation audiometry, auditory evoked response audiometry and otoacoustic emission. This is essential for differential diagnosis.

Hearing Aid Trial - The cases were evaluated with body level (AC/BC), behind-the-ear, spectacle (AC/BC), in-the-ear and FM types of hearing aids and care was taken to prescribe the suitable hearing aid. The patients were counselled regarding auditory training, speechreading and hearing aid usage in addition to practical demonstration. Electroacoustic measurements were carried out for prototype hearing aids developed indigenously. Electroacoustic evaluations were carried out for trial hearing aids as well as hearing aids procured through ADIP scheme.

Distribution of Hearing Aids Under ADIP Scheme - This year also hearing aids were distributed among the needy patients either free of cost or at 50% of the cost subject to the income limits of the patient. Hearing aids issued under the ADIP scheme were regularly serviced along with other hearing aids. Altogether 560 body level hearing aids and 105 behind-the-ear hearing aids were serviced. A new scheme of keeping a regular stock of spares was introduced to reduce the time taken for repair. The serviced hearing aid is delivered on payment of the cost of the spare.

Earmold - Custom earmolds were made for patients who were prescribed hearing aids. Different types of earmold modifications were also incorporated as per requirement. Ear plugs were made for swimmers, using indigenous as well as imported materials.

Evaluation of Speech and Language Disorders - The cases registered in the Institute were evaluated for various speech disorders like, articulation disorders, voice disorders, fluency disorders and various language disorders including those associated with reading and writing. The total no.of cases evaluated in the year 1998-99 was 3137.

Prostheses - The prosthodontic technician prepared 11 cleft palate prostheses and 5 speech bulbs for the cases referred by the plastic surgeon and speech pathologists. One hundred and seventy sessions were required to complete the prosthesis. The no.of prostheses made this year was less due to non-availability of services of the plastic surgeon.

Speech/Language Therapy - Speech/Language/Hearing-impairment/Behaviour Therapeutic services were rendered to 2698 cases during the year under short-term guidance programme and long-term rehabilitation programme. Around 25327 individual therapy sessions each lasting for 45 minutes/1 hour were held. Moreover, around 1130 group therapy sessions were also conducted for patients with hearing-impairment, mental retardation, cleft palate, learning disability in different age groups. A majority of the patients responded well and showed good improvement. Home training handouts were also provided on short-term basis to cater to the individual requirements of the patients.

Pre-School Programmes - To prepare children with hearing-imapirment, mental retardation and learning disabilities for successful integration in normal schools pre-school programmes were conducted. Thirty children were enrolled this year. They showed marked improvement in their social, auditory and speech/language skills. This has been an on-going activity since 1996.

Clinic for Patients with Cleft Palate - This clinic for children and adults with cleft palate has functioned on a fortnightly basis since its inception in 1995. This is managed by Speech/Language Pathologists in coordination with a Plastic Surgeon and a Prosthodontist. However, the enrolment was low this year due to the non-availability of the services of the Plastic Surgeon.

Physiotherapy - Physiotherapy was provided to children as well as adults with various speech/language disorders such as cerebral palsy, mental retardation, aphasia and dysarthria on a bi-monthly basis to improve their sensory-motor coordination.

Computer Programmes - Various computer software programmes have made clinical services more accurate and less cumbersome. Both Vagmi and Dr.Speech were found to be handy for diagnostic as well as therapeutic purposes. Whereas Vagmi is meant for disorders of articulation, fluency and voice, Dr.Speech is for voice disorders only. Multimedia also serves various purposes. Visual Reinforcement Audiometry was used for assessment of hearing ability of children below two years. Computers were also used for diagnostic and therapeutic purposes in case of behaviour problems. Record keeping is also computerised.

Itinerant Speech Therapist's Activities - As is the practice the Itinerant Speech Therapist visited special schools and schools for the normal children and identified children with speech and hearing problems. Such children were referred to appropriate agencies for further management. Teachers in the schools were given guidance in the management of these children. The Itinerant Speech Therapist also followed up the academic and social performance of these children integrated in normal school.

Psychodiagnostic Evaluation - Behaviour modification/behaviour therapy and counselling were carried out for patients with such problems. Parent counselling was also offered for management of behavioural problems and teaching self-help skills to children.

Medical and Surgical Treatment - Regular diagnostic and therapeutic procedures were carried out for patients with speech and hearing or hearing problems. Since there is no in-patient facility in the Institute minimal therapeutic procedures like suction clearance of ears with discharge can be carried out at the Institute. Other therapeutic procedures, both medical and surgical are performed at K.R.Hospital at present. Microscopic procedure was done on 10744 patients.

Extension Services - Extension of clinical services to old age homes, maternity wards in local hospitals, villages and regular as well as special schools continued this year also. Staff along with students made regular field visits to various rural and urban areas to create awareness of speech and hearing problems. During extension services patients with speech and hearing problems were identified and counselled. In total 12141 children were screened for hearing problems in local schools out of which 2822 were referred to the Institute for detailed evaluation and management. Infant hearing screening was done for 2310 cases at maternity wards of local hospitals and 100 of them were referred to the Institute. About 248 people were found to have hearing problems out of the total no.of 498 people screened at various places. They were referred to the Institute for detailed evaluation.

Public Education Pamphlets were distributed by staff not only during the field visits but also wherever staff and students attended seminar/conferences etc.

Under the project entitled **Prevention of Deafness and Hearing-Impairment** the following activities were conducted. Alongside Pulse Polio Programme, screening programme was also conducted in 12 centres both the times. Out of the total no.of 7036 screened 418 children were referred to the Institute for detailed evaluation. Public education pamphlets were distributed and some handbills were prepared. Orientation lectures were delivered to ENT doctors, nurses, paediatricians, health workers, etc.

FACTS AND FIGURES : CLINICAL SERVICES RENDERED**No. of cases registered at the Institute**

| | |
|-----------------------|-------|
| 1. NEW CASES | 11756 |
| 2. REPEAT CASES | 14243 |
| 3. TOTAL NO.OF CASES | 25999 |
| 4. NO.OF WORKING DAYS | 246 |

Agewise Statistics

| Age Group | Male | Female | Total |
|--------------|-------------|-------------|--------------|
| 0-5 | 1170 | 854 | 2024 |
| 5-10 | 980 | 670 | 1650 |
| 10-20 | 1430 | 830 | 2260 |
| 20-40 | 1860 | 1230 | 3090 |
| 40-60 | 1075 | 660 | 1735 |
| 60-80 | 570 | 250 | 820 |
| 80+ | 107 | 70 | 177 |
| Total | 7192 | 4564 | 11756 |

Statewise distribution of cases registered during the year

| SL.NO. | STATE | NO.OF CASES SEEN |
|--------------|----------------|------------------|
| 1. | KARNATAKA | 9020 |
| 2. | KERALA | 1730 |
| 3. | TAMIL NADU | 650 |
| 4. | ANDRA PRADESH | 300 |
| 5. | UTTAR PRADESH | 12 |
| 6. | MAHARASHTRA | 30 |
| 7. | MADHYA PRADESH | 9 |
| 8. | OTHERS | 5 |
| TOTAL | | 11756 |

The no. of patients tested in the Hearing Evaluation section

No. of patients seen for hearing evaluation 8984

No. of ears with :

| | | |
|------------------------------|-----|------|
| - normal hearing | ... | 3027 |
| - conductive hearing loss | ... | 3258 |
| - mixed hearing loss | ... | 3813 |
| - sensorineural hearing loss | ... | 4901 |

No. of certificates issued (Financial Aid) 585

No. of audiogram copies issued 1959

No. of patients evaluated for hearing aid trial

No. of patients seen for HAT 4621

No. of patients counselled 2814

No. of hearing aids issued under ADIP scheme

| | |
|--|------|
| - Issued free-of-cost | 1247 |
| - Issued at 50% of cost | 17 |
| - No. of hearing aids issued on exchange | 101 |

Free servicing of hearing aids of patients 665

No. of patients seen in earmold lab

No. of patients seen 1498

No. of earmolds completed 2695

| | |
|--------------------------|------|
| - Issued on 100% payment | 791 |
| - Issued on 50% payment | 1896 |

No. of special earmolds made 22

No. of shell earmolds made 266

Statistics of Audiological Evaluation - Age-wise Statistics

| | Hearing | | Hearing Aid Trial | | | | Earmolds | |
|--------------|-------------|-------------|-------------------|-------------|-------------|------------|-------------|------------|
| | Evaluation | | HAT | | Counselling | | | |
| | M | F | M | F | M | F | M | F |
| 0-1 | 21 | 15 | - | - | - | - | - | - |
| 1-5 | 589 | 454 | 316 | 271 | 149 | 126 | 234 | 182 |
| 5-10 | 591 | 424 | 247 | 189 | 132 | 83 | 130 | 99 |
| 11-15 | 380 | 302 | 155 | 118 | 64 | 45 | 83 | 14 |
| 16-20 | 419 | 273 | 112 | 91 | 33 | 14 | 38 | 34 |
| 21-25 | 527 | 242 | 87 | 51 | 12 | 8 | 37 | 12 |
| 26-30 | 468 | 236 | 63 | 44 | 17 | 10 | 23 | 17 |
| 31-35 | 381 | 171 | 53 | 34 | 17 | 9 | 22 | 10 |
| 36-40 | 312 | 196 | 69 | 40 | 14 | 12 | 22 | 17 |
| 41-45 | 293 | 156 | 77 | 41 | 20 | 6 | 22 | 18 |
| 46-50 | 253 | 168 | 84 | 50 | 24 | 14 | 38 | 21 |
| 51-55 | 253 | 147 | 87 | 48 | 36 | 13 | 43 | 20 |
| 56-60 | 270 | 134 | 127 | 58 | 43 | 23 | 62 | 21 |
| 61-65 | 283 | 104 | 148 | 51 | 37 | 18 | 39 | 21 |
| 66-70 | 234 | 83 | 141 | 58 | 51 | 21 | 47 | 19 |
| 71-75 | 223 | 79 | 172 | 57 | 62 | 14 | 48 | 15 |
| 76-80 | 153 | 29 | 125 | 24 | 33 | 7 | 28 | 6 |
| 81-85 | 71 | 22 | 61 | 16 | 27 | 4 | 21 | 10 |
| 86-90 | 30 | 3 | 27 | 5 | 8 | 3 | 0 | 0 |
| 91-95 | 7 | 0 | 6 | 1 | 1 | 0 | 0 | 0 |
| 96-100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 5758 | 3238 | 2157 | 1247 | 78 | 430 | 937 | 536 |
| | 8996 | | 3404 | | 1210 | | 1473 | |

Distribution of cases with Speech and Language Disorders

| | Case History | Evaluation | Counselling |
|----------------------------------|--------------|---------------------|-------------|
| I Language Disorders | | | |
| 1. Delayed speech & language | 270 | 290 | 217 |
| 2. DSL with MR | 402 | 461 | 337 |
| 3. DSL with CP | 83 | 105 | 48 |
| 4. DSL with Autism | 14 | 16 | 14 |
| 5. Aphasia | 27 | 26 | 16 |
| 6. Speech Regression | 18 | 23 | 15 |
| 7. Learning Disability | 18 | 25 | 15 |
| II DSL with Hearing Loss | 1115 | 1225 | 283 |
| III Rhythm Disorders | | | |
| 1. Stuttering | 241 | 312 | 250 |
| 2. Cluttering | 1 | 1 | 1 |
| 3. Normal nonfluency | 29 | 35 | 28 |
| 4. Neurogenic stuttering | 5 | 5 | 1 |
| IV Articulatory Disorders | | | |
| 1. Misarticulation | 156 | 179 | 103 |
| 2. Cleft Palate | 106 | 111 | 52 |
| 3. Dysarthria | 41 | 47 | 18 |
| V Voice Disorders | | | |
| 1. Dysphonia | 361 | 363 | 138 |
| 2. Laryngectomy | 3 | 3 | 2 |
| Total | 2926 | 3227 | 1538 |
| No.of cases re-evaluated | = | 560 | |
| No.of cases re-counselled | = | 250 | |
| ENT cases | = | 36 (CH) 16 (Sp.eva) | |

Speech and Language Disorders - Age-wise distribution

| Age in years | Males | Females | Total |
|--------------|-------------|-------------|-------------|
| 0-1 | 5 | 5 | 10 |
| 1-5 | 671 | 406 | 1077 |
| 5-10 | 583 | 298 | 881 |
| 10-15 | 250 | 123 | 373 |
| 15-20 | 145 | 58 | 203 |
| 20-25 | 96 | 19 | 115 |
| 25-30 | 52 | 20 | 72 |
| 30-35 | 29 | 15 | 44 |
| 35-40 | 22 | 12 | 34 |
| 40-45 | 23 | 16 | 39 |
| 45-50 | 15 | 14 | 29 |
| 50-55 | 24 | 3 | 27 |
| 55-60 | 17 | 7 | 24 |
| 60-65 | 17 | 6 | 23 |
| 65-75 | 17 | 3 | 20 |
| 75-85 | 5 | 2 | 7 |
| 85-95 | 2 | 0 | 2 |
| Total | 1973 | 1007 | 2980 |

Therapy Clinic : No.of cases given therapy

| Sl.No | Name of the disorders | No.of cases |
|--------------|---|-------------|
| 1. | Delayed speech and language with hearing loss | 1125 |
| 2. | Delayed speech and language with mental retardation | 454 |
| 3. | Delayed speech and language with cerebral palsy | 215 |
| 4. | Delayed speech and language | 180 |
| 5. | Aphasia | 37 |
| 6. | Apraxia | 4 |
| 7. | Autism | 72 |
| 8. | Learning disability | 55 |
| 9. | Misarticulation | 95 |
| 10. | Dysarthria | 19 |
| 11. | Stuttering | 243 |
| 12. | Voice Disorders | 187 |
| 13. | Cleft Palate | 63 |
| 14. | Laryngectomy | 3 |
| 15. | Multiple Disorders | 19 |
| Total | | 2771 |

| | | |
|--|----------------------------------|------|
| Psychodiagnostic evaluation/Therapy | No.of cases seen | 3270 |
| Diagnostics | No. of new cases re-evaluated | 484 |
| | No.of cases who attended therapy | 228 |
| Therapeutics | No. of therapy sessions | 2070 |
| | No. of certificates issued | 461 |

| | | | |
|-----------------------------------|------|------|-------|
| Medical/Surgical treatment | Old | New | Total |
| Cases seen at AIISH | 8246 | 9235 | 17481 |
| Cases seen at KRH | 5427 | 6956 | 12383 |

Surgical Procedures performed during the year

| | | |
|-------|-------|-------|
| Major | Minor | Total |
| 80 | 177 | 257 |

Microscopic Procedures done at AIISH 10744

RESEARCH AND DEVELOPMENT

I Ph.D Programme

| <i>Awarded</i> | <i>In Progress</i> |
|--|--|
| Ms.Manjula R Mr.Jayarama, G Ms.Basanti Devi Ms.Prema, K.S Mr.Antony Thomas | Ms. Vanaja C.S. Mr.Raju H.H Ms.Sridevi N. Ms.Pushpavathi M Ms.Swapna N |

II Research Project

Completed

1. N-Indicator
2. Adjustmental Problems of the Young Stutterer.

Under Progress

1. Prevention of Deafness and Hearing-Impairment (Ministry of Health and Family Welfare, GOI).
2. Transformation of the Speech of the Hearing-Impaired (Department of Science and Technology, GOI).
3. Developmental Milestones of Language Acquisition in Indian Languages : Kannada and Hindi (ICSSR, New Delhi).
4. Acoustic Analysis of Speech.
5. Glottal Behaviour in Normals and Speech Disorders.
6. Developing Software for Diagnosis and Analysis of Speech.
7. Versatile Multipurpose Tester.
8. Fabrication of Mobile Van for Audiological Evaluation (Government of Karnataka).
9. Comparison of Homeopathic and Ayurvedic vs. Allopathic Treatment in CSOM, SOM, Pre-operative and Post-operative cases and Evaluation in Voice Disorders.
10. Chemical Cauterization for Small Central Perforation (Silver Nitrate).
11. Long-term Follow-up of CSOM Cases.
12. Comparison of Different Modalities of Treatment in Tinnitus.

WHO Supported Programme

1. Project under progress - Prevention of Deafness and Hearing-Impairment.
2. Fellowships
 - a) Mr.H.S.Satish completed the fellowship training programme awarded by WHO in June 1998 in Norway, Finland and Denmark.
 - b) Dr.R.Manjula is selected for deputation to USA for further studies in the area of Disability Trauma for 1999.
 - c) Ms.B.R.Chudamani is selected for deputation to USA for further studies in Biomedical Engineering for 1999.

III Scientific Papers Presented/Published

Animesh Barman, et al., Presented paper entitled : *Threshold Determination Using Difference Montages in Normal and Hearing Impaired* at XXXI ISHA Conference, Chandigarh.

Presented paper entitled : *Effects of Rate on ABR Recorded Through Difference Montages* at XXXI ISHA Conference, Chandigarh.

Balakrishna Acharya Published an article entitled : *Behavioural Problems in Children and Remedies* in the weekly magazine, Karmaveera.

Published an article entitled : *Anger and Anxiety in Essential Hypertension*, The Mind, Vol.XIII (1 & 2).

Contributed an article: *Thuduluvi* in the Encyclopedia Navakarnataka Jnana-Vijnana Kosha published in the month of April 1998.

Basanti Devi Presented a paper entitled : *Perspectives of Women's Writings* in the Seminar on *Challenges Before Women in the 21st Century* held at Padmavathi Mahila University, Tirupati from 29.3.99 to 31.3.99.

Kalaiah P Presented a paper entitled : *A Package of Treatment for Stutterers'* in the conference of Indian Association of Clinical Psychologists held at Bangalore on 11.1.1999.

- Manjula P* Prepared an Audiological report of Industrial Workers of INDAC titled *Audiological Profile of Industrial workers - A Report*.
- Manjula R* Published a paper on *Stress in WH and YN Interrogatives in Kannada*, the Proceedings of the National Symposium on Acoustics held at Calcutta from 18.12.1998 to 20.12.98.
- Nataraja, N.P.* Presented a paper entitled : (1) *Transformation of Speech of the Hearing-Impaired* (2) *Genetics in Speech Pathology* in XXXI ISHA Conference held at Chandigarh from 12.2.99 to 14.2.99.
- Published a Paper entitled : *Temporal Analysis of the Speech of the Hearing-Impaired*. Program of the Ist Technical Session, Madras-India Regional Chapter of ASA, 5, Chennai, 1998.
- Published a paper on *Stress in WH and YN Interrogatives in Kannada* as co-author in the Proceedings of the National Symposium on Acoustics held at Calcutta from 18.12.1998 to 20.12.98.
- Nataraja, N.P., et al.* Published a paper entitled : *Developmental Changes in the Acoustic Characteristics of Speech*. Program of the Ist Technical Session, Madras-India Regional Chapter of ASA, 5, Chennai, 1998.
- Rajalakshmi K et al.* Presented paper entitled : *Volume Control Taper Characteristics of Indian BTE Hearing Aids* at XXXI ISHA Conference, Chandigarh.
- Sangeetha* Co-authored a paper entitled : *Developmental Changes in the Acoustic Characteristics of Speech*. Programme of the Ist Technical Session, Madras-India Regional Chapter of ASA, 5, Chennai, 1998.
- Savithri S.R.* Published a paper entitled : *Word Duration in the Pre-and Post Therapy Speech of Stutterers*. Programme of the Ist Technical Session Madras-India Regional Chapter of ASA, 5, Chennai, 1998.

Co-authored a Paper entitled : *Temporal Analysis of the Speech of the Hearing-Impaired*. Program of the Ist Technical Session, Madras-India Regional Chapter of ASA, 5, Chennai, 1998.

Savithri SR et al.

Published a Paper entitled *A Comparative Study of Speech Motor Programming in Stutterers and Non-Stutterers*. Journal of Acoustical Society of America, Vol.1, No.5, Chennai, 1998.

Shyamala K.C.

Trace Deletion Hypothesis and Its Implications for Intervention with a Multilingual Agrammatic Aphasic in Osmania Papers in Linguistics, Vol.22-23, 96-97 by Department of Linguistics, Osmania University, Hyderabad.

Shyamala K.C. et al.

Published a paper entitled *Neurogenic Articulation Disorder and Disability* in the proceedings of the Workshop on Evolving Criteria for Speech Disability by AYJNIHH, 1998.

Sridevi N.

Presented a paper entitled: *Acoustic Analysis of Voice of the Hearing Impaired* at XXXI ISHA Conference held at Chandigarh from 12.2.99 to 14.2.99.

Presented a paper entitled : *Developmental Changes in the Acoustic Characteristics of Speech*. Program of the Ist Technical Session, Madras-India Regional Chapter of ASA, 5, Chennai, from 17.8.99 to 18.8.98.

Co-authored a Paper entitled : *Temporal Analysis of the Speech of the Hearing-Impaired*. Program of the Ist Technical Session, Madras-India Regional Chapter of ASA, 5, Chennai, 1998.

Yeshoda K

Presented a paper entitled: *Multidimensional Analysis of the Voice of Dysphonics* at XXXI ISHA Conference held at Chandigarh from 12.2.99 to 14.2.99.

EQUIPMENT PROCURED/COMMITTED DURING THE YEAR

| Sl.No. | Items/Particulars | Amount Rs. Ps | Remarks |
|----------------------|---|------------------|--------------------|
| AUDIOLOGY DEPARTMENT | | | |
| 1. | Zodiac Middle Ear Analyser | 239719.00 | |
| 2. | Portable OAE | 415057.00 | |
| 3. | Pre-recorded Video cassttes | 43000.00 | |
| 4. | FM System & Head phones | 7000.00 | |
| 5. | Campass software, NOAH SW | 78000.00 | |
| 6. | Digital Hearing aids | 79000.00 | |
| 7. | GSI-61 Audiometer | 391075.00 | |
| 8. | Ear Protective Devices | 4656.00 | |
| 9. | Digital Tape Recorder | 90833.00 | |
| 10. | I Visual Reinforcement Audiometry (IVRA) | 624228.00 | |
| 11. | Evoked potential Audiometry | 1000000.00 | (approx)In process |
| 12. | Otoscope | 2600.00 | |
| 13. | SU Hydraulic flask press | 40000.00 | |
| 14. | Pentium Computer | 195000.00 | |
| Total . | | 3210168.00 | |

SPEECH SCIENCE DEPARTMENT

| | | | | |
|--------------|---------------------------------------|------------------|--|--------------------|
| 1. | Upgradation of existing computers | 130000.00 | | (approx)In process |
| 2. | Digital Disk Recorder | 90500.00 | | |
| 3. | Advanced Speech Analysis Software | 171000.00 | | |
| 4. | Pentium Computer-1 no. | 87000.00 | | |
| 5. | Voice Analysis Programme-Dr.Speech | 204100.00 | | |
| 6. | Five Track Plotter for Elec Aerometer | 187200.00 | | |
| Total | | 869800.00 | | |

CLINICAL PSYCHOLOGY DEPARTMENT

| | | | |
|--------------|---------------------------------------|-----------------|------------|
| 1. | APA Psychotherapy Video Cassettes | 20000.00 | In process |
| 2. | WAIS-R Mic Computer-Assessment Report | 40000.00 | In process |
| 3. | Teaching Aids | 35000.00 | In process |
| Total | | 95000.00 | |

SPEECH PATHOLOGY DEPARTMENT AND THERAPY CLINIC

| | | | |
|--------------|------------------------------------|------------------|---|
| 1. | Kapidex Thermostim Oral Stimulator | 2391.00 | |
| 2. | Artificial Larynx | 19000.00 | Procured against Denrick II of 97.98 |
| 3. | Facilitator Hardware Module | 69197.00 | |
| 4. | Pentium Computer | 100000.00 | (approx) In process |
| 5. | Mini Disk Recorder-2 nos | 181667.00 | |
| 6. | Portable Tape recorders | 5000.00 | (approx) In process |
| Total | | 377255.00 | |

ELECTRONICS DEPARTMENT/COMPUTER CENTER

| | | | |
|--------------|-----------------------|------------------|--|
| 1. | Epson Printer, | 47500.00 | |
| 2. | UPS 2 KVA - APC Smart | 58500.00 | |
| Total | | 106000.00 | |

NEW RESOURCE MATERIALS

The following resource materials were prepared during the year :

Video Cassettes

1. Opening the Doors of Silence.
2. Audiological Assessment for Adults - A Perspective.
3. Infants and Children Hear and Respond.
4. The Speech and Hearing Specialization in the Neighbourhood.
5. Assistive Devices - Friends in Need.
6. Psychology of Communication Disorders.
7. Silence to Communication - A Look at Disorders of Language.
8. The Deaf Are Not Dumb.
9. A Journey From Defective to Normal Speech.
10. Focus on Voice - Normal and Abnormal.
11. The Hearing Aid, A Companion to the Hearing-Impaired.
12. Hearing Tests Go Hi-Tech.
13. Instrumentation in Speech and Hearing.
14. Human Speech - Investigations and Applications.
15. AIISH - Launch to a Dream Career.

Audio Cassettes

1. Production of Esophagal Speech.
2. Voice Disorders.

Public Education Handouts/Booklets

1. Language Games for LD Children.
2. Articulation Drill Book for Different Sounds in Different Languages.
3. Puzzles and Memory Games for LD Children.
4. Communicative Board.
5. Booklet on Pre-school Curriculum.
6. Therapy Kit for CP.
7. Home Training handouts for various disorders in various languages viz. Hindi, English, Kannada, Tamil and Malayalam.

STAFF ACTIVITIES**Mr.Animesh Barman**

Carried out the duties as NSS Programme Officer and Warden of Gents' Hostel, AIISH.
Paper setter for University of Mysore.
Served as a Member of DPC.

Asha Yathiraj**Member**

BOE and BOS (Sp.& Hg) University of Mysore, Mangalore, Bangalore, Osmania and PGIMER, Chandigarh, and Sri Ramachandra Medical College and Research Institute, Chennai.

Paper setter for University of Mysore, Bangalore, Mangalore, Osmania, PGIMER Chandigarh.

Selection Committee for the post of Clinical/Research Assistants.

Conducting a project for Development of Software for time Compressed Speech and Dichotic Speech Tests in Collaboration with M/s. Voice and Speech Systems.

Prepared Training Module on Speechreading.

Delivered a lecture - Educating the general public regarding the Communication Problems of the Hearing-Impaired Adults : Ways to Overcome Communicative Problems.

Balasubramanya B.N.

Attended a seminar on Oracle Software organized by Oracle Software Ltd. at Bangalore on 16.11.98.

Actively involved in the Fabrication of Mobile Van and Sound Proof Booths.

Basanti Devi

Participated in National Workshop on Optimum Teachers Students Ratio in the field of Speech and Hearing at AIISH, Mysore on 6.8.98.

Attended a Seminar on Challenges Before Women in the 21st Century, held at Padmavathi Mahila University, Tirupati from 29.3.99 to 31.3.99.

Paper setter and examiner, University of Mysore, Mangalore and Osmania University, and Rajiv Gandhi University of Health Sciences, Bangalore.

Chudamani B.R.

Attended a seminar on Oracle Software organized by Oracle Software India Ltd. at Bangalore on 6.11.98.

Attended one day symposium on Mylibnet services at CFTRI, Mysore.

Kalaiah, P

Attended National Conference of Indian Association of Clinical Psychologists held at Bangalore on 11.1.99 and received the N.N.Sen Award.

Manjula P

Delivered a talk on Hearing Conservation Programme at the Technical Training Workshop on Industrial Hygiene and Measurements, conducted by SRMC and RI, Chennai and NIOSH, USA at Chennai.

Organized Hearing Screening and Public Awareness Programme at Zoo and Immunization Centre of Cheluvamba Hospital, Mysore.

Conducted Orientation course for students of Ramachandra Medical College and Research Institute, Chennai on Audio-visual Course on Noise Measurement and Hearing Conservation.

Manjula R

Participated in National Workshop on Optimum Student Teacher Ratio in the Field of Speech and Hearing, AIISH, Mysore on 6.8.98.

Nataraja NP

Attended Executive Council meeting of AIISH held at New Delhi on 27.11.98.

Elected for a term of three years as Chairman, Board of Educational Standard and Ethics, ISHA.

Recipient of “Bharath Award” and Dr.Rathna Oration award at the XXXI ISHA Conference, held at Chandigarh.

Attended workshop on Setting Bilingual Question papers organized by University Grants Commission at New Delhi from 13.4.98 to 15.4.98.

Attended National Symposium on Acoustics at Calcutta from 18.12.98 to 20.12.98.

Attended as expert for the senior staff Selection Committee meeting held at Society for Rehabilitation of Cognitive and Communication Disorders, Trivandrum from 28.10.98 to 30.10.98.

Chaired a session of symposium on Speech Technology at 26th All India Conference of Dravidian Linguists, Hyderabad on 19.6.98.

Participated in National Workshop on Optimum Student Teacher Ratio in the Field of Speech and Hearing, and co-chaired a session at AIISH, Mysore on 6.8.98.

Nikam S.

Served as the Chairperson/Member of various Committees mentioned below and attended the meetings convened :

a) Chairperson

Board of Studies and Board of Examinations (Sp. & Hg), University of Mysore.

b) Co-Chairperson

Sub-committee on Speech and Hearing, Rehabilitation Council of India.

- c) Member Secretary Finance Sub-Committee, AIISH, Mysore
Executive Council, AIISH, Mysore.
- d) Convener Panel of Hearing Aids and Audiometers of Bureau of
Indian Standards.
- e) Member Rate Contract Committee, Ministry of Welfare, GOI.
- Departmental Promotion Committee meeting for
Group 'A' Officers of AIISH held at AIISH, Mysore
on 1.2.99.
- Emergency Syndicate meeting at University of
Mysore on 8.1.99.
- Sixth meeting of Acoustics Sectional Committee LTD
5 in the Office of the Bureau of Indian Standards,
New Delhi held on 18.2.99
- The Region-1 meeting - Accepted the honour
conferred by the International Association of Lions
Club at Tilak Nagar, Mysore on 15.11.98.
- A Committee constituted by the University of Mysore
to consider whether under graduate colleges should
be permitted to start postgraduate courses.
- Syndicate Meeting at University of Mysore on
16.3.99 and 22.3.99.
- The Project Review Steering Committee meeting in
the Department of Electronics, New Delhi.
- General Council of Rehabilitation Council of India,
New Delhi.
- The meeting on Review of Progress made towards
implementation of the Persons with Disabilities Act
1995 held on 28.12.98 under the Chairmanship of the
Hon'ble Minister of State for Health and Family
Welfare, New Delhi.

Third meeting of the Governing Council of Karnataka Prathamika Shikshana Vikasa Yojana Samithi (DPEP) under the Chairmanship of Hon'ble Minister for Primary and Secondary Education at Bangalore.

University Local Inspection Committee - visited Engineering Colleges in Mysore, Mandya and Hassan from 16th to 19th January, 1999 and make recommendations regarding continuation of affiliation to University of Mysore.

Presided over the inaugural function of M.Sc., Course at Institute of Speech and Hearing, Bangalore on 4.1.99.

Presided over the Anniversary function at Regional Institute of Education, Mysore held on 24.3.99.

Guest Lecture

Delivered a Keynote address to students of Sri Ramachandra Medical College and Research Institute, Chennai.

Prema K.S.

Attended National Seminar on Learning Disabilities held at Institute of Speech and Hearing, Bangalore from 21.11.98 to 22.11.98.

Pushpavathi M

Attended National Workshop on Optimum Student Teacher Ratio in the Field of Speech and Hearing, held at AIISH, Mysore on 6.8.98.

Attended XXXI ISHA Conference held at Chandigarh from 12.2.99 to 14.2.99.

Rajalakshmi K

Paper setter/examiner for University of Bangalore, Mangalore, Calicut, Calcutta and Manipal Academy of Higher Education (Deemed University), Manipal.

Attended National Workshop on Optimum Student Teacher Ratio in the Field of Speech and Hearing, held at AIISH, Mysore on 6.8.98.

Rajalakshmi R

Undergone the Training - Getting to Know You - E-mail Service at CFTRI, Mysore.

Attended DTP work - Question Banks related to Speech and Hearing and Allied fields; Training Modules; Materials for Students' Magazine.

Looked-after the E-Mail services wef 17.11.98.

Ramadevi Srinivas KJ

Attended National Workshop on Optimum Student Teacher Ratio in the Field of Speech and Hearing, held at AIISH, Mysore on 6.8.98.

Delivered a lecture - Educating the general public regarding the Communication Problems of the Hearing-Impaired Adults : Hearing Aids and assistive Listening Devices.

Rathnasabhpathy K

Attended Workshop on Paediatric Cochlear Implant at Chennai from 21.8.99 to 22.8.99.

Sathish H.S.

Paper setter/examiner, University of Mysore, Bangalore, Mangalore and Rajiv Gandhi University of Health Sciences, Bangalore.

Received fellowship awarded by WHO on Biomedical Engineering for three months and training was taken at RIKS Hospital, Norway, VTT Finland and B&K Denmark.

Technical consultant - Institute of Speech and Hearing, Bangalore.

Sangeetha

Attended XXXI ISHA Conference held at Chandigarh from 12.2.99 to 14.2.99.

Savithri SR

Organized and participated in the National Workshop on Optimum Teacher-Student Ratio in the Field of Speech and Hearing held at AIISH on 6.8.98.

Attended the Madras-India Regional Conference of the Acoustical Society of America at Chennai on 17.8.98 and 18.8.98 and Chaired a Session on Bioacoustics and Speech Communication.

Member

Selection Committee for the Selection of staff for the project on Contract.

Shyamala K.C.

Member:

Board of Studies - B.Sc., and M.Sc., (Sp. & Hg.), University of Mysore, MV Shetty College, Mangalore.

Board of Examiners - B.Sc., (Sp. & Hg), University of Mysore and Rajiv Gandhi University of Health Sciences, Bangalore.

Selection Panel for the posts in Speech and Hearing and Linguistics at SCTIMST at Trivandrum.

Attended National Workshop on Optimum Student Teacher Ratio in the Field of Speech and Hearing, held at AIISH, Mysore on 6.8.98.

Attended Sub-Committee meeting of Speech and Hearing under Ministry of Social Justice and Empowerment held at AYJNIHH, Bombay on 21.10.98.

Delivered a radio talk on Speech Therapy, AIR, Mysore.

Delivered lectures on (1) Speech Disorders in Cerebral Palsied - Assessment and Treatment (2) Differential Diagnosis of Child Language Disorder at AYJNIHH, Hyderabad.

Sridevi N

Attended XXXI ISHA Conference held at Chandigarh from 12.2.99 to 14.2.99.

Srinivas S.R.

Attended National Workshop on Optimum Student Teacher Ratio in the Field of Speech and Hearing, held at AIISH, Mysore on 6.8.98.

Developed N-indicator and handed over to Department of Speech Pathology for field testing.

Attended Ability India Exhibition at New Delhi organized by Ministry of Human Resource and Empowerment from 14.9.98 to 20.9.98.

Sundararaju H

Attended South Zone ENT Conference at Bangalore from 17.7.98 to 19.7.98.

Susheela M.V

Attended South Zone ENT Conference at Bangalore from 17.7.98 to 19.7.98.

Delivered a Radio talk on ENT Problem, AIR, Mysore.

Vanaja C.S.

Paper setter Examiner for University of Mysore, Mangalore and Rajiv Gandhi University of Health Sciences, Bangalore.

Attended National Workshop on Optimum Student Teacher Ratio in the Field of Speech and Hearing, held at AIISH, Mysore on 6.8.98.

Conducted refresher courses on Otoacoustic Emission and Auditory Evoked Potential to undergraduate students from Chennai.

Delivered a lecture - Educating the general public regarding the Communication Problems of the Hearing-Impaired Adults : Ways to Overcome Communicative Problems.

Yeshoda. K

Attended XXXI ISHA conference from 12.2.99 to 14.2.99

All the staff and students were actively involved in speech and hearing camps conducted in and around Mysore city, Symposia conducted at AIISH, preparation and editing of video scripts etc.

LIBRARY & INFORMATION CENTRE

The Library and Information Centre is the nucleus for the information retrieval in the speciality of Speech & Hearing field. The objective of the Centre is to provide literature and other materials on the speciality of our curriculum to the staff, researchers, students and also to specialists working in this field.

The entire collection is organised in a systematic order and made available to the users easily. The following services are provided :

1. Providing latest books and periodicals.
2. Bibliographic Service
3. Current Awareness Service
4. Inter-Library Loan Service
5. Reference Service
6. Reprographic Service
7. Providing Audio-Visual Materials
8. Providing Literature Search Facility on topics of interest to its users

The Library has been provided computers and printers. It is being used to increase the Library Services. We have already computerised the cataloguing of books. Bibliography of Journal articles is under progress.

The Library has been enrolled as a Member of Mysore City Libraries Consortium and Mylibnet.

Statistics:

| | |
|--|-------|
| 1. No.of Volumes as on date | 11779 |
| 2. No.of Volumes added (From 1.4.98 to 31.3.99) | 221 |
| 3. No.of Journals Subscribed to | 47 |
| 4. No.of Books/Journals Issued and Consulted (From 1.4.98 to 31.3.99) | 76132 |
| 5. No. of External members who have done reference work | 34 |

ACCOUNTS
SUMMARY OF PROVISIONS PROPOSED
REVISED ESTIMATES 1998-99 AND BUDGET ESTIMATES 1999-2000
PLAN

(Rs.in lakhs)

| Sl.No. | Standard Object of Expenditure | RE 1998-99 | BE 1999-2000 |
|--------|-----------------------------------|----------------|----------------|
| 1. | Salaries | | |
| | <i>i) Sanctioned Posts</i> | | |
| | a) Filled Posts | - | 27.21 |
| | b) Vacant Posts | - | - |
| | <i>ii) Fresh Posts</i> | 15.86 | 18.10 |
| 2. | Allowances other than travel | 1.55 | 1.90 |
| 3. | Other charges | 22.50 | 27.34 |
| 4. | Contributions of Funds | 4.00 | 5.15 |
| 5. | Travel Expenses | | |
| | a) Within India | 5.00 | 5.00 |
| | b) Outside India | 2.50 | 3.00 |
| 6. | Furniture | 7.50 | 27.39 |
| 7. | Public Education-Pub. & Infn. | 20.00 | 20.00 |
| 8. | Equipment | 139.95 | 141.25 |
| 9. | Summer Camp for Speech & Hearing | 0.25 | 0.25 |
| 10. | Payments to Professional services | 4.78 | 5.03 |
| 11. | Library Books & Journals | 25.00 | 20.00 |
| 12. | Capital works | 131.34 | 175.00 |
| | Gross Total | 380.23 | |
| | Less : Receipts | - | |
| | Net Demand | 380.23 | 476.62 |
| | Grants Received | 1997-98 | 1998-99 |
| | | 150.00 | 150.00 |

SUMMARY OF PROVISIONS PROPOSED
REVISED ESTIMATES 1998-99 AND BUDGET ESTIMATES 1999-2000
NON-PLAN

(Rs. in Lakhs)

| Sl.No. | Standard Object of Expenditure | RE 1988-89 | BE1999-2000 |
|--------|--------------------------------------|-----------------------|-----------------------|
| 1. | Salaries | | |
| | <i>i) Sanctioned Posts</i> | | |
| a) | Filled Posts | 154.12 | 152.36 |
| b) | Vacant Posts | 11.70 | 20.04 |
| c) | Ad-hoc Bonus | 3.00 | 3.00 |
| 2. | Allowances other than travel | 3.40 | 3.40 |
| 3. | Payments to Professional Services | 2.35 | 2.35 |
| 4. | Other charges | 47.65 | 48.85 |
| 5. | Contributions to Funds | 11.70 | 13.10 |
| 6. | Travel Expenses | 6.00 | 6.00 |
| 7. | Furniture | 8.00 | 8.00 |
| 8. | Fixtures | 5.00 | 5.00 |
| 9. | Equipment | 28.00 | 31.50 |
| 10. | Printing of Brochure | 6.00 | 6.00 |
| 11. | Advances to Staff | 74.85 | 74.85 |
| 12. | Wages | 6.00 | 6.00 |
| 13. | Minor works | 8.00 | 8.00 |
| 14. | Merit Scholarship/stipend/Fellowship | 6.58 | 8.38 |
| | Net Demand | 382.35 | 396.83 |
| | Grants received | <u>1997-98</u> | <u>1989-99</u> |
| | | 150.00 | 187.00 |

OFFICIAL LANGUAGE IMPLEMENTATION

The programmes prescribed for the year were complied with. Our Institute has been notified under Rule 10(4) of OL Rules.

Meetings

1. Promoters meeting of OLI - held once in every month.
2. OLI Committee Meetings - held once in every quarter.
3. TOLIC Meetings - Participated in the meetings of TOLIC organised by CIIL, Mysore once in every half year.

Training in Hindi/Hindi Typing and Incentive Schemes

Schemes of awards and incentives for successful completion of Hindi/Hindi typing examinations and implementation of OL were continued.

Use of Hindi in Clinical Work

Statistics

| Departments | No.of Hindi cases |
|------------------------|-------------------|
| 1) Speech Pathology | |
| a) Diagnostics | 180 |
| b) Therapy | 101 |
| 2) Speech Sciences | 70 |
| 3) Audiology | |
| a) Hearing Aid Trial | 82 |
| b) Diagnostics | 301 |
| c) Earmold | 19 |
| 4) Clinical Psychology | 224 |
| 5) ENT | 1064 |
| 6) Medical Records | 622 |
| 7) Training | 169 |

OL Correspondence

The provisions of Clause 3(3) of OL Act 1963 were complied to the best possible extent. The circulars, general office memos, forms etc., are rendered in bilingual form. Proformae, handouts, video script, annual report, half yearly report, statement of accounts, performance budget, slogans etc. were rendered into Hindi.

Hindi Competitions

- a) Hindi Competitions during Hindi Fortnight were conducted between 1st and 15th Sept. 1998 and prizes were awarded to the winners.
- b) Competition for the Institute Anniversary on 9.8.98 was arranged.

Hindi Workshop

- 1) Across the Table Workshop from 6th to 7th Feb 99 - 2 days - conducted for Stores personnel.
- 2) Across the Table Workshop held on 24.3.99 for Medical Records personnel.

Hindi Books/ Magazines

- 1) Library of Hindi books was kept open for use by staff and students.
- 2) Subscriptions (a) News bulletins - Bhasha, DGS&D bilingual bulletin
(b) Daily News Paper 'Nav Bharat Times'.
(c) Magazine - Saritha

Use of Hindi on Computer

The softwares being used to carry out the work in bilingual (Hindi and English) are Shabdharathna Software, and Prakashak at all nodes of LAN system.

Awards

AIISH is one of the five recipients of the award for special contribution to implementation of official language conferred by TOLIC on 30.11.98 for the year 1997-98.

PERSONNEL CELL

SANCTIONED POSTS AND STAFF POSITION AS ON 31.3.1999

| Sl.No. | Group | Staff Strength | <u>Staff Position</u> | | |
|--------------|---------|----------------|-----------------------|----------|----------|
| | | | SC | ST | OBC |
| 1. | Group A | 23 | 6 | 1 | 1 |
| 2. | Group B | 10 | - | - | - |
| 3. | Group C | 64 | 13 | 2 | 2 |
| 4. | Group D | 49 | 15 | 1 | 1 |
| Total | | 145 | 34 | 4 | 3 |

Appointment Group-A

1) Dr.P.Marutham,
Lecturer in Clinical Psychology
wef 11.9.98

2) Dr.Venkatesan
Reader in Clinical Psychology wef. 9.12.98

Promotion

Group-A (GENL) 1) Dr.K.S.Prema
Lecturer in Language Pathology,
wef 31.8.98

(SC) 1) Ms.K. Yeshoda
Lecturer in Speech Sciences, wef 28.8.98

(OBC) 1) Ms.H.Rohini
Lecturer in Speech Sciences, wef 5.10.98

Group-C(SC/ST/OBC) 1) Mr.Satyapal Puri Goswami
Clinical Assistant wef. 29.1.99

Voluntary Retirement

Group-A 1) Mr.S.S.Murthy
Lecturer in Electronics, wef.10.5.98

Group-D 1) Mr.Bhim Bahadur, Peon, wef. 8.6.98

Resignation Group-A 1) Dr.Hemantha Ahluwalia
Lecturer in ENT wef. 23.7.98