

ANNUAL REPORT

1977-78

**ALL INDIA INSTITUTE OF SPEECH & HEARING
MYSORE-570006 INDIA**

ANNUAL REPORT FOR THE YEAR 1977-78
(1-4-77 to 31-3-78)

CONTENTS

Page No.

1. Highlights of the year in retrospect	i
2. Introduction	1
3. Objectives	3
4. Authority of the Institute	6
5. Department of Speech Pathology	7
6. Department of Audiology	12
7. Department of Psychology	18
8. Department of Otolaryngology	23
9. Clinical Services	28
10. Itinerant Speech Therapist	30
11. Library	35
12. Publicity and Information	37
13. Committees	41
14. Establishment	43
15. Training	49
16. Buildings	51
17. Equipment	51
18. Budget	52
19. Poor Patients Welfare Fund	53
20. Students' Association	54

With the conscientious work done during the year under review, firm foundations have been laid in the organisation and administration of the Institute. The cooperation with other institutions and Government bodies continued to be good.

Health-care:

The integrated approach has improved the health-care and the patients are able to get full treatment for their handicaps in the organs of hearing, speech and Ear, Nose and Throat. The quality of work has improved. The reputation of the Institute has considerably gone up amongst the medical and para-medical circles and the community at large due to integrated and specialised service. The out-patient load has, however, decreased. This is mainly due to the establishment of semester system because of which, staff and students were not permitted to hold camps outside vacation period and holidays and also due to the fact that the number of out-patient sessions in the Department of ENT, K.R.Hospital by the Unit of this Institute was reduced from two days a week to one day a week.

The collaboration with K.R.Hospital continued and the operation days continued to be two days per week. There was considerable loss of operation hours due to shortages in gas and Oxygen and dislocations due to other causes.

operation days in a week, was reduced to one day per week. The tremendous demand for the super-specialised surgery is evident in the waiting list for operations. Of the 1618 cases on the waiting list for operations on 31-3-78, 520 were operated upon till that date and the balance of 1098 are still on the waiting list. This, at the rate of six operations per week, would amount to about 4 years of waiting period.

The variety of clinical cases has been satisfactory and the students' education programme has improved due to this.

Extension of Health-care to the rural areas, has however, suffered due to inability to hold number of Speech and Hearing and ENT camps due to the reasons mentioned above. A separate unit for the rural health-care could not be established due to lack of staff. Attempts are being made to establish this unit in the next year. The break-up of all the new cases which attended the Institute right from the inception gives a good idea about the distribution of the problems.

Major Diagnostic break-up	No. of cases	Percentage
1. (a) Hearing loss	8,313	65.00
(b) Hearing loss with other problems	4,267	
2. Stammering	2,241	11.73
3. Mental Retardation		

Day-wise statistics of new and repeat cases at AIISH on the basis of three months' average is given below:

	Mon	Tue	Wed	Thu	Fri	Sat
3 months' average	363	860	350	286	815	404
daily average	28	66	27	22	63	40

Education and Training:

The semester system which was introduced in a hurry, had to be scrapped at the end of the year by the University. The education programme showed evidence of improvement. Part-time professors in medical subjects from Mysore Medical College and Lecturers from CIIL in Linguistics and languages continued to deliver lectures to our students.

Raising of admissions to the BSc from 15 to 20 appears to have been well planned as most of the Audiologists and Speech Pathologists who have passed out from this Institute are employed and there are some jobs waiting for new graduates. Thus employment opportunities have been excellent. In BSc and MSc examinations held during April/May 77, out of 15 students who appeared for BSc, 8 passed in I Class and 5 in II Class; and out of 10 students who appeared for MSc, 2 secured I class and the remaining II class.

Pune.

Mysore was the venue for the annual conference of Indian Speech and Hearing Association. The staff and students of this Institute organised the conference to the satisfaction of the delegates. Weekly clinical conference and journal clubs were well attended and proved to be high informative and educative. Though the Institute did not have full-fledged Artist, charts and educational material for teaching and exhibition were made by the Part-time Artist and slides were made with the help of sister institutions. Opportunities were provided to the faculty staff to attend scientific conferences in the country and they were encouraged to present scientific papers and participate in them. One staff member went to USA though late for a conference. Educational tour was arranged for III BSc batch of students.

Research:

The Institute had 7 Junior Research Fellows, three under UGC, three under CSIR and one under the Institute. However, three Research Fellows left during the year. The recognition for Ph.D and M.Phil courses by the University did not come during the year. As usual, ten MSc students were required to write dissertations on which they had to do some research under the guidance of staff.

the Institute was referee for number of research projects which were sent to it by ICMR. They were all studied and expert opinion given.

Administration:

The Administrative reforms and standardisation of procedures done during the year has laid a firm foundation. The post of Junior Otolaryngologist was filled by deputation from the Karnataka Health Services. The Executive Council of the Institute could not meet during the whole year.

General:

The maintenance of building, white washing, colour washing, repairs, etc. were done to keep the buildings in good condition. Number of trees were planted and some amount of beautification was done in the garden. With the help of Prof. B.S.Ramakrishna, Chairman, Electrical Sciences Division, Indian Institute of Science, Bangalore, the air-conditioning and sound-proofing of the Audiology block has come to a final stage. When the Speech and Audiology block is completed, the acute shortage of space would be minimised.

INTRODUCTION

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 has accorded affiliation for teaching programme leading to the award of BSc and MSc and now Ph.D in Speech and Hearing.

With effect from 28th Augst, 1974, a technical Director assumed the charge of the Institute.

GENERAL

There are about 36 to 100 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.

and also by bringing more qualified specialists into field such as Speech Pathologists, Audiologists, Otolaryngologist Psychologists and Electronics Engineers.

Hours of work

Teaching	- 10 a.m. to 1 p.m.
Clinical services	- 10 a.m. to 5 p.m.
Office	- 10 a.m. to 5 p.m.
Saturdays	- 8.30 a.m. to 3.30 p.m.

OBJECTIVES

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 & 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, organise and facilitate study courses, conferences, lectures, seminars and the like to promote the above mentioned objects;
- (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 objects of the society.
- (e) to invite representatives of Governments, Universities and other organisations of India and of Foreign countries to deliver lectures on subjects in which the society is interested;
- (f) to co-operate with international agencies engaged in speech and hearing research and training and arrange for interchange of personnel, material and data;
- (g) to institute, offer and grant prizes, awards, scholarships, research grants and stipends in furtherance of the objects 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.

- (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 communicative disorders:
- (b) To stimulate interest in speech and hearing through publicity and mass communication and co-operate with other agencies and institutions or professional associations:

V - Administration and Financial

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

- (h) To accept ~~and~~ undertake the management of any endowment or trust fund or donation to further the objects of the society;
- (i) To establish a contributory provident fund and Gratuity for the benefit of the employees of the society;
- (j) To pay all costs, charges and expenses incurred in the promotion, 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 Planning (Department of Health) government of India in connection with speech and hearing.

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DEPARTMENT OF SPEECH PATHOLOGY

Teaching:

The department staff continued their participation in teaching and training the under-graduate, post-graduate and Ph.D students. The subjects are taught in the form of lectures to under-graduate students and in the form of discussions and seminars besides lectures, to post-graduate students.

Work load in the department has increased due to shortage of staff. Introduction of Semester system has increased the academic work load of the staff.

Clinical work:

(a) Diagnoses: The staff of this department continued their diagnosis of cases. Cases who are registered here are routinely seen by the department for their speech problems. Interesting cases are taken up for presentation and discussion in clinical conferences.

(b) Clinical services: The clinic is under the supervision of this department. The under-graduate and post-graduate students are required to work with cases as part of their clinical training. The student

AUTHORITY OF THE INSTITUTE

The authority of the Institute is vested in the Executive Council composed of:

1. Sri Raj Narain, Union Minister of Health and Family Welfare, Nirman Bhavan, New Delhi-110001 Chairman
2. Sri Margada Mallappa, Minister of Health Government of Karnataka, Vidhanasoudha Bangalore Vice-Chairman
3. Sri D.V. Urs, Vice-Chancellor University of Mysore, Mysore Member
4. Sri K.P. Singh, Addl. Secretary to Govt. of India, Ministry of Health & Family Welfare New Delhi, or his nominee Member
5. Dr. B. Sankaran, Director General of Health Services, New Delhi, or his nominee. Member
6. Sri Premnath, Joint Secretary (FA) Department of Health, Ministry of Health and Family Welfare, New Delhi Member
7. Representative of the Department of Social Welfare, Government of India, Ministry of Education and Social Welfare, New Delhi. Member
8. Joint Director (Medical), Health and Family Planning Services, Government of Karnataka, Bangalore Member
9. Dr. L.H. Hiranandani, Hon. Otolaryngologist BYL Nair Ch. Hospital, Bombay - 8 Member
0. Dr. Achuthananda Sinha Professor & Head of the Dept. of E.N.T. Patna Medical College, Patna Member
1. Sri F.K. Irani Managing Director, Ideal Jawa, Mysore Member
2. Dr. J. Bharathraj, Member of Teaching Faculty of All India Institute of Speech and Hearing Mysore Member

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4

observations. New therapeutic techniques are developed to suit the patients who live in rural areas and cannot attend regular therapy sessions. Techniques are demonstrated and demonstration therapy sessions are held for short periods for such of those cases who cannot attend therapy here. Some of the techniques for speech and voice problems have helped cases remarkably well.

(c) Counselling: The department also attends to counselling of family members of cases. Every case who visits the Institute is given valuable advice regarding his/her training program. Staff and post-graduate students counsel parents and cases regarding the importance of home training, techniques which can be utilized at home, hearing aid demonstration and care of aids and vocational rehabilitation. Admission wherever possible to normal schools are stressed during counselling. Parents are advised to bring cases for regular follow-up and send progress reports regularly. Parent counselling meetings are held in the Institute, the last Sunday of every month. Topics of interest to the parents are selected for discussions during the meeting. All the meetings are followed by a question and answer period. Parents of cases show keen interest in participating in such meetings.

Camps

Speech and Hearing camps were conducted in four places in Kerala and 5 places in Karnataka and 3616 cases were seen this year and advice rendered.

Dr. N. Rathna delivered lectures in the following places:

1. Shiela Kothwala School, Bangalore
"Seminar on Deaf Education"
2. School for the Deaf, Madras
"Language Development for the Deaf"
3. Presented paper at Karnataka Branch of
Dental Association, Bangalore
4. Addressed School Teachers in Somwarpet
regarding "Hard of hearing children in
the class room"
5. Delivered a lecture at the Little
Woodford and Little Flower Convents
Madras.
6. Delivered a lecture at the Regional
College of Education on "Contemporary
Indian Stage and Drama".
7. Presided over the function at Smt. Bhagyalaxamma
Rattehalli Ramappa Mahajana College, Mysore.

Dr. N. Rathna was Chairman for an invited paper at the First All India Inter Disciplinary Symposium on Speech and Hearing in Human Communications at Indian Institute of Science, Bangalore. He was invited to attend the Conference and present a paper at the Annual Convention of American Speech and Hearing Association at Chicago. However by the time the travel was arranged, the convention was over. Instead he was a guest of the R.S.A. and visited speech and hearing institutions and departments in Washington D.C., Houston, Texas, Athens Georgia and Atlantia georgia.

Educational Tour:

Dr. Rathna escorted the III BSc students to Madras on an educational tour.

The staff of the Speech Pathology Department attended the ISHA conference. Dr. Rathna was the Chairman of the organising committee. Mr. N.P. Nataraja and Mr. George Samuel continued as the Secretary and Treasurer respectively of the Indian Speech and Hearing Associations.

Papers presented at the ISHA Conference held in January 1978.

1. Articulation Skills in the age group 3-7 years
- N.P. Nataraja
2. Articulatory indices in Kannada and Malayalam
- Dr. N. Rathna
3. Rate of Speech in Indian Languages.
- Dr. N. Rathna et al.
4. Therapy with limited language
- Dr. N. Rathna
5. Vibha grows up : 0 - 9½ months
- Mr. & Mrs. Basavaraj.

Craft classes

Craft classes are held for the cases on Saturdays under the supervision of this department.

Guidance to Research Scholars:

Dr. N. Rathna has undertaken the guidance in research of two students for Ph.D degree in Speech and Hearing.

DEPARTMENT OF AUDIOLOGY1. Training:

The training program for the undergraduate and graduate students in Speech and Hearing was continued under the semester system implemented during the previous year.

In addition to the training for full time students in the Institute, short term training (inclusive of lectures and demonstrations) was given to a group of post-graduates in F.N.T. from the Armed Forces Medical College, Pune.

2. Clinical Services:

Clinical services have been continued as in previous years. There are still no full time staff in the Department whose major assignment is clinical evaluation and supervision. Justification for additional staff to assist in the clinical evaluation and to provide supervision in the clinical training program have already been given.

The Research Assistant and the Clinical Assistant posted to the department have been assisting in the audiological evaluation.

(a) Audiological evaluation: The total number of cases seen in the department was 4046. Completion of the new test rooms under construction is still awaited. The strain felt for lack of sufficient test rooms and staff continues.

(b) Hearing aids

(i) Loan : Total number of hearing aids issued to patients was 228.

(ii) Issue of spares ~~spares~~ such as cords, batteries issued was 1025.

(c) Earmolds: During the year, practical training for students in making custom earmolds was renewed. The I and III BSc students were trained in small batches consisting of 4-5 in each. Each batch spent an hour per week in the Lab. It was the experience of the staff concerned that III BSc students were able to pick up the necessary skills faster than I BSc students. Further, the staff felt that for more optimum training, it would be preferable to have the students for a few hours continuously for several days to having them for an hour a week for several months.

The statistics related to earmolds is as follows:

Total Number made	835
Earmolds sent by post	425
Earmolds collected in person	335
Earmolds unclaimed	75
Earmolds given free	716
Earmolds given on payment	119
Earmolds returned due to insufficient address/incorrect address given by the patients.	10

Besides making earmolds for those advised to use hearing aids, prosthesis were made for patients whose canal was reconstructed. Requests for training in custom made earmolds were received.

3. Instruments

A number of instruments required for audiological evaluation, calibration etc. were expected as part of the projects submitted under the Indo-Danish assistance scheme. The assistance not having been sanctioned during the year, it was decided to buy a two-channel audiometer.

Correspondence was made with manufacturers of audiometric test equipment abroad and the necessary information such as cost etc. were obtained to procure the required instruments and spare parts such as attenuators, earphones. These must be obtained to make the necessary instruments available for adequate audiological evaluation of patients and for strengthening the training program.

The audio-visual instruments were put to good use throughout the year. Sri Rama setty has been trained to handle the equipment independently.

The following indigenous instruments were purchased:

1. Ultrasonic cleaner
2. Feedback controller
3. Cassette stereo deck
4. Stereo amplifier
5. Acoustic suspension speaker system.

The equipment used in various department was serviced and calibrated as detailed below:

Major repairs	82
Minor repairs	156
Hearing aids:	
Internal & External	498
External equipment	15

4. Correspondence

The number of letters dispatched during the year was 661. This is slightly lower than the previous year, one of the reasons being limited stock of hearing aids being available for issue.

5. Guidance to Research Scholars

Dr.(Miss) Shailaja Nikam has undertaken the guidance in research of 3 CSIR research fellows.

6. Conferences/Seminars/Workshops etc.

S.S. Murthy & S. Narayana Raju	Exhibition and workshop of the Karnataka State Electronic Industries, Bangalore.
S. Narayana Raju	Short Course on Digital Signal Processing Indian Institute of Science, Bangalore
S.S. Murthy	International symposium and workshop on Bio-medical Engineering, IIT, New Delhi
Shailaja Nikam	Chairman, Invited paper- Interdisciplinary Seminar on Speech & Hearing, IISc, Bangalore
M.N.Vyasamurthy	Summer Workshop in Linguistics, Gurunanak University, Amritsar. Interdisciplinary Seminar, IISc, Bangalore
S.Narayana Raju	Organiser, Speech and Hearing Stall at New Delhi in connection with World Disabled Day.
S.P.C.Pandalay	Organizing Secretary, X Annual ISHA Conference, Mysore.

All the staff members participated in the X Annual ISHA Conference, Mysore.

7. Papers presented:

1. Sri M.N. Vyasamurthy: Binaural Analysis: A Review at the Inter-disciplinary symposium on Speech and Hearing held at the Indian Institute of Science.
2. Sri M.N. Vyasamurthy, Babul Basu and Babu Punnan: Effect of vibrator application force on BC output at different frequencies. Presented at the X ISHA Conference held at Mysore in January 1978.
3. Stapedius Reflex Tests and their diagnostic usefulness- X ISHA Conference, Mysore 1978 - by Jesudas Dayalan Samuel.
4. Speech Hearing Tests in Audiological Diagnosis and Rehabilitation. First Inter-disciplinary Symposium on Speech and Hearing, Bangalore 1978. - by Jesudas Dayalan Samuel.

8. Papers published

1. A new discrimination Test in Tamil.
- J. Rehabilitation in Asia, 19. p.4 to 12, 1978.
- by Jesudas Dayalan Samuel

9. Awards, Honors, etc.

Shailaja Nikam was awarded National Associateship

Shailaja Nikam was installed as President of Indian Speech and Hearing Association in January 1978.

The graduate School Newsletter of the Michigan state University carried a write-up on Shailaja Nikam.

S.P.C. Pandalay was elected Secretary, Karnataka Branch of ISHA.

DEPARTMENT OF PSYCHOLOGYDiagnostics

A total number of 1814 cases were seen for evaluation/re-evaluation for routine and special psychodiagnostics. As in previous years the departmental staff continued to look after the supervision of students posted to diagnostics.

Therapy supervision

A total Number of about 40 cases were under the supervision of Dr. J. Bharathraj and 20 cases under the supervision of Miss A.D. Bhavani. As a trial, certain new therapeutic techniques such as Behaviour Rehearsal, Habit Reversal, therapy using metronome were tried with stuttering and/or mentally retarded children, thus broadening the spectrum of therapies tried out.

Research Activities:

Research in following areas were taken up during the year and perused:

1. To study the relationship between self-confidence and stuttering. This study is likely to throw new light into the personality dynamics of stutterers and also would help in chalking out more effective methods of treatment.

2. Further validation studies on "The Medico-Psychological Questionnaire" (MPO) is to be done. Ways are to be thought out about graphical representation of individual personality profiles on MPO.
3. Development of a comprehensive personality test and graphical representation of individual personality profiles on this test.
4. Development of innovative methods of treatment for the mentally retarded children through Behavior Modification procedures.

The research work of Miss Kameswari for her Ph.D degree namely "The Study of Relationship between Intra-psyche Adjustment of Interpersonal Relationship among normals and different psychiatric groups" continued under the guidance of Dr.J.Bharathraj. Very shortly she is carrying out a pilot study to work out the effectiveness of the instrument which she is using.

Small scope research projects:

The following small-scope research projects by MSc I Semester students were planned and executed under the guidance of the departmental staff:

1. Incidental Vs. Intentional Verbal Learning for Aurally Handicapped children by K.K.Lal.
2. Adaptation to materials and stuttering by Kalaiselvan.
3. Fluency and stuttering by Veena Kanuga.
4. Performance tests and language facility by Babul Basu
5. A picture Performance Scale for the Hearing Impaired by Lalitha.

6. Level of Aspiration in Stutterers and Non-stutterers by K.S. Prema.
7. A Comparison of Reinforcement and Non-reinforcement on volition of stutterers and non-stutterers by Geetha, Y.V.
8. Suggestibility in case of stutterers and non-stutterers by Shashikala.
9. Perseveration in stutterers and non-stutterers by R. Manjula.
10. Personality Correlates of stutterers and non-stutterers on R.P.I. (Kannada Version) by Shalini.

Administration:

Dr. J. Bharathraj was overall incharge of administration of the department. He was incharge of conducting Journal Clubs and Clinical Conferences and of Medical Records section.

In view of constructing and establishing a clinical psychological wing at AIISH, 1st floor West wing of the clinic block, a plan was drawn and has been approved. This makes room for a spacious lay-out when compared with the present constrained restricted space where work is being carried out. This wing accommodates special diagnostic testing conditions, in a distraction-free atmosphere. A separate room with well-controlled Lab. conditions will enable the treatment of children with a variety of emotions and behavioral problems associated with speech and hearing defects. This is designated as

behavior therapy room. The psychodrama theatre is meant for trying behavior therapy-cum-modification procedures with greater freedom and laxity. Procedures like Behavior Rehearsal, Assertion training, Activity Therapies like Remedial Drama and Dance have been planned to be tried.

Other activities

The staff participated in the X Annual Indian Speech and Hearing Association Conference held at Mysore in January 1978.

Dr. J. Bharath Raj has been appointed as part-time lecturer in Psychology at the department of Psychology, Manasagangothri, University of Mysore, to take classes for M.A. students in Psychopathology.

M.A III semester students of post-graduate department of Psychology, Mysore University received clinical training in the department and Institute.

Publications & Public Education by Dr. J. Bharathraj

1. A Research Article entitled "Auditory Localization under Helmet-wearing and non-helmet wearing conditions" was published in the J. of AIISH (1976) which was published in Jan. 1978.

2. A Research article entitled "Speech and Hearing problems among the Mentally Retarded" was sent for publication to the Indian J. of Clinical Psychology.
3. An article with the title "Desensitization of a case with generalised anxiety" was sent for publication in the J. of Behavior Therapy and Experimental psychiatry.
4. A Public Education article in Kannada with the title "ಸೋದರಿಗೆ ಮೂಲ ಮುದ್ದು (over protection as the cause of stuttering)" appeared in Sudha weekly in July 1977.
5. A Public Education article in Kannada "ರಸ್ತೆಯ ಅಪಘಾತಗಳಿಗೆ ಕೊನೆ ಇಲ್ಲವೇ ? " "(Is there no end to Road Accidents?)" appeared in Sudha weekly in Oct. 1977.
6. A Radio talk on "Rehabilitation of the Mentally Retarded" was broadcast from A.I.R., Mysore station during 1977.

Clinical services:

During the year under review, clinical services in the Outpatient Department, both at the Institute and K.P Hospital, and the Operation Theatre at the K.R. Hospital were shared by the available three staff members namely, Director and Professor Dr. P.R. Kulkarni, Reader Dr.(Miss) M.V.Susheela, Junior Otolaryngologist, Dr.K. Vishnu who joined on 12.7.1977, & Dr. Mathew Mathew who worked in Honorary capacity as Junior Otolaryngologist rendered help. The distribution of services were as under:

	<u>ENT Dept. at the Institute</u>	<u>K.R.Hospital</u>
Monday	OP $\frac{1}{2}$ day by Jr. Otolaryngologist	Operation day (local anaesthetics)
Tuesday	OP full day coverage-three to four Medical Officers.	Ward round, post-Op. care.
Wednesday	OP full day by Hon. Jr. ENT surgeon. $\frac{1}{2}$ day by Jr. Otolaryngologist.	OP - full day
Thursday	OP $\frac{1}{2}$ day by Jr. Otolaryngologist	OT - General Anaesthetics
Friday	OP - full coverage by 3 to 4 medical officers.	ward round, post-Op. care.
Saturday	OP - Full coverage 3 to 4 medical officers.	ward round (morning & evening) Post-Op. care.
Sunday	OP - Nil	Ward round morning and evening, Post.Op. care.

Even with the help of Hon. Junior ENT Surgeon, Outpatient service at the Institute could not be provided for about $1\frac{1}{2}$ days in a week. If not for the services of Hon. Junior ENT Surgeon, nearly $2\frac{1}{2}$ days at the Institute would have been left without coverage. The clinical and surgical work was extremely heavy and spread over prolonged hours every day. The Out patient service at KRH by the ENT unit of the Institute was cut down from two days in a week to one day in a week. The Anaesthetic service during the year at K.R. Hospital was also cut down from two days a week to one day a week. Therefore, all local anaesthesias cases were taken up on Mondays and cases needing general anaesthesia were posted on Thursdays. There were number of dislocations and loss of operation days and time due to various factors such as non-availability of gas, tetanus infections in the operation theatre and other shortages.

The project of catching acoustic neurinomas in an early stage continued and the collaboration with neurosurgery institutions like NIMHANS had to be strengthened.

For all difficult cases, joint consultations and discussions were held with the Departments of Audiology and Speech Pathology, for the benefit of the patients and the training programme.

The following is the statistics of the department:

	<u>1976-77</u>	<u>1977-78</u>
1. ENT OPD at KP Hospital:	17,155	<u>13,265</u>
2. Cases seen at AIISH: New cases	3,399	3,621
Repeat cases	6,574	7,727
Total.		<u>11,348</u>
3. Operations done at KR Hospital:		
(i) Major	336	390
(ii) Minor	222	130
4. Waiting list of cases for operation		1,618
5. Operated upto 31.3.78		520
6. Balance waiting list		<u>1,098</u> <u>1,044</u>
7. Daily average		76 case

With 2 operation days a week and at the rate of six cases per week, the waiting period amounts to 4 years.

The ENT Department at the Institute continued to be housed in the cellar floor. The accommodation was restricted. With the assistance of only one staff nurse and one ward boy, it was not possible to commission one additional room which could have been made available. Since there is an alround awareness in this part of the country that good care, attention and super specialised surgery is available at the Institute, the demand has been increasing and the surgical load has become absolutely unmanageable.

Micro-Otological operations such as Stapedectomies, Myringoplasties, tympanoplasties; Micro-laryngeal surgery, Maxillo-facial surgeries such as Palatoplasties and Pharyngoplasties; reconstructive surgeries such as reconstruction of the external auditory canal; extensive cancer surgeries of head and neck, such as total laryngectomy, maxillectomy, glossectomy, cheek excision combined with block dissection was being done during this year. On some operation days, the surgeons have made a record of ten Micro-surgical operations in one session.

Some more equipments are added to this Department, worth mentioning was the addition of Panendoscope in the diagnostic fields and Microlaryngeal instruments due to which surgery of larynx was refined during the year.

Teaching:

The Director and Reader in ENT handled all the /the classes in the subjects of Otolaryngology to both undergraduate and post-graduate students. The semester system which existed during the year under review meant additional load of work on the teaching staff by way of several internal assessments, tests and examinations.

Research:

Mr. Babu Punnan registered under Dr. P.B. Kulkarni as Junior Research Fellow to carry out research.

Camps:

Of the 9 camps, the Jr. Otolaryngologist of the Institute could cover only 4 camps. For other camps, we had to find ENT surgeons from outside the Institute.

Papers presented:

1. Dr. P.R. Kulkarni and Dr. Mathew Mathew presented a paper entitled "Congenital abnormalities of the external and middle ear" - a study of 15 years treated at the AIISH, at the X Annual Conference of the Indian Sp & Hg Association.
2. Dr. P.R. Kulkarni presented invited talk "Amelioration of deafness by the surgical techniques" at the All India Inter-disciplinary symposium on Sp & Hg, Bangalore - Jan 30 to Feb. 1, 1978
3. Dr. P.R. Kulkarni read the paper "Validity of Impedance Audiometry in Otosclerosis and Serous Otitis Media" at the XXX Annual Conference of Association of Otolaryngologists of India held at Cuttack from 12th to 15th January 1978

Radio Talk:

1. Dr. P.R. Kulkarni gave a talk "Vijnanada Munnade" on 24-5-77 on AIR, Mysore
2. Dr. M.V. Susheela gave a talk on "Preventive measures to be observed by the mothers regarding the ear, nose and throat problems of their children"

Participation in Seminars, symposia, etc.

1. Dr. P.R. Kulkarni attended Annual meeting of the Acoustical Society of India on 30th January and Symposium on Speech and Hearing on 31st January and 1st Feb. 1978 held at the Indian Instt. of Science, Bangalore
2. Dr. P.R. Kulkarni attended XXX Annual Conference of the Association of Otolaryngologists of India held at Cuttack from 12th to 15th January 1978
3. The Director, Dr. Kulkarni participated in International Symposium and Workshop on Biomedical Engg., in which he was Chairman for two scientific sessions, held at New Delhi from February 15 to 22, 1978
4. Dr. P.R. Kulkarni attended ISHA Conference held at Mysore, as President, ISHA and installed the incoming President

Memberships

1. Dr. P.R. Kulkarni was selected as member, Discussion Panel on Education in Acoustics, Indian Instt. of Science, Bangalore

2. Dr.P.R.Kulkarni was enrolled as Member of the Editorial Board of Journal of the Acoustical Society of India for the years 1978 and 79.

Others:

1. Dr.P.R.Kulkarni delivered Valedictory Address of Mysore University Linguistic Circle, Institute of Kannada Studies, Manasagangothri, Mysore - 6

CLINICAL SERVICES

A full-fledged Clinic has been developed at the Institute to provide Diagnostic, treatment (medical, surgical and otherwise) and rehabilitation and counselling facilities for persons with Speech and Hearing disorders and to provide necessary clinical material for the trainees.

The following is the statistical data of cases attended:

	<u>1975-76</u>	<u>1976-77</u>	<u>1977-78</u>
New cases	2785	3399	3621
Repeat cases	5133	6574	7727
Therapy cases	11644	11105	10165
Cases seen at camps	9521	24214	3616
ENT OPD cases at KRH	12896	17155	13265
Total no. of cases	41250	62447	38394
ENT operation - Major	279	336	390
Minor	151	222	130
Clinical Correspondence	1116	1768	566
Follow-up sent	700	1032	969
Replied & reported in person	410	476	337
Letters returned due to insufficient address/particulars	12	32	22

Particulars of new cases

<u>Age group</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
0-5	345	196	541
5-10	359	185	544
10-20	506	270	776
20 and above	1214	546	1760
Total	<u>2424</u>	<u>1197</u>	<u>3621</u>

ITINERANT SPEECH THERAPIST

No. of follow-up letters sent	465
No. of cases replied and reported	174
No. of letters returned due to inadequate address	8
No. of home visits	119
No. of cases attended to	129
No. of school visits done	20
No. of children attended to	44
No. of case histories taken	167
Inadequate address for whom follow-up letters could not be sent	13

Correspondence

Follow-up letters were sent to cases to know the present conditions of their speech and hearing problems, to check whether they are following our recommendations and to inform them to report for re-evaluation and advise.

Home visit:

Home visits were taken up to counsel the parents regarding home training programme and also to collect information regarding the use of hearing aids - whether the case wears it always or only during therapy sessions and also to know whether follow-up therapy is being done at home regularly. Demonstration of activities

to parents for auditory training, speech and language training at home and counselling to siblings, relatives and neighbours on the nature of help to be given to children to speak were undertaken, during home visits. Home visits were useful to the parents, as well as to the children.

School visits:

Many children with speech and language problems are studying in normal schools. Those schools have been visited regularly. This was undertaken to (i) guide the teachers, (ii) to check how these children adjust with normal children in schools and public education. ~~Some~~ The school teachers have shown interest to help these children as far as they could and we have a very good co-operation from them to the handicapped children in assisting them to achieve education. Many children have shown satisfactory progress in schools by securing good marks and distinction. We have satisfactory report from teachers as well as parents.

Teachers from various schools have visited our Institute to have an idea ~~about~~ ^{about} speech and hearing problems and how they can help to serve the handicapped.

Assistance to the student-trainees

Student-trainees were assisted regarding therapy plans and getting information from parents and teachers. Individual parent counselling was also done to parents who accompany cases daily for therapy.

Group Parent Counselling

Group parent counselling meetings are being held on last Sundays of every month for about 1½ hours. During the period under report eleven such meetings were held and on an average 25 parents apart from staff and students participated with keen interest. General problems faced by parents, such as co-operation from school teachers, neighbours, admission in normal schools, standard of education schools, and difficulties to cope with daily lessons, difficulty in getting hearing aids and repairs, job opportunities, effect of 3 language formula in education were discussed and solutions to some of the problems were provided. Intensive efforts were made to get exemption from the study of 3 language for ~~the~~ deaf children. The government of Karnataka has however approved our request with limitations.

Lessons from John Tracy Correspondence Course were translated and presented in the meetings. Parents were instructed to follow it up at home. Parents were

assisted to get scholarships for their children. Suggestions were given to strengthen the parent's Association. Few parents reported their experiences in bringing up their children.

Dr. Y.P. Kapur while he was in Mysore addressed the members of the Parents Association. He discussed the Cochlear Implantations in detail and the education pattern of Deaf in America. He appreciated the work of our parents and their achievements.

In one of the meetings parents were informed about the language exemption for their deaf children who are studying in normal schools.

Craft classes:

On every Saturday (except ^{30th} 2nd Saturdays) afternoon craft classes are being conducted for our cases, for one and a half hours. On an average 25 children attend the classes regularly. Children are being taught drawing and painting with the help of the part time artist. One of the cases who has practical knowledge in tailoring and embroidery helps other children in this handicraft. Parents of cases, students and staff are also helping the cases in crafts.

Children have shown good interest in craft classes and they have learnt basic lessons in drawing. Few cases have done good embroidery on cushion works, pillow covers, applique works on cloth bags, wire bags, knitting, wire

bags with beads, wall hangers with embroidery and and petticoats. This has helped cases to develop self-confidence. Parents are happy with the achievements shown by their children.

During the month of December 1977, in connection with the "Human Rights Day" competitions in drawing and painting were conducted for our cases. Eighteen children with different age groups actively participated. Thirteen children won the prizes in different groups. Prize distribution was done by the Director on Republic Day.

With a view to integrate hard of hearing children with normal children in schools, the D.P.I. Karnataka was invited to the Institute to have first hand information regarding the rehabilitation of handicapped children. He was also requested to issue instructions to school authorities to admit hard of hearing children in normal schools.

During the period under report Library services were increased. Bibliography for most of the journals were done and put to use on the card form, which works as guide poles to the staff and students in their research and reference work. A good collection of books was done. The entire collection of Wendell Johnson Library was taken to the main Accession.

The reprints that are available in the Library are indexed and arranged in a new reprint cabinet.

The Dissertations are indexed.

The use of the Library is increased very much compared to the previous years. Many reference questions were answered. The Inter-Library loan facilities were rendered to the users.

All the back volumes of the journals from 1974 and a good number of books got bound.

Seminar, Symposia, Conference etc.

The librarian was deputed for the DRTC Annual Seminar (15) at Bangalore on "Classification and indexing in the social sciences" and Information for Development Planning held from 5.12.77 to 9.12.77 at Indian Statistical Institute, Bangalore.

The Librarian and the Cataloguer attended the X Annual Conference of ISHA.

The statistics of the library is given below:

1. No. of books and journals consulted by staff and students.	16,500
2. Average issue per day	60
3. No. of books added	226
4. Total No. of books	3,930
5. No. of volumes of journals added	48
6. No. of volumes of journals received	55
7. No. of journals exchanged	7
8. No. of new journals added	11
9. No. of journals bibliographed.	5
10. No. of volumes of journals bibliographed	50

PUBLICITY AND INFORMATION

Volume VII of the Institute's Journal was released.

The following public education pamphlets were reprinted:

1. A Hard of Hearing child in the class room
2. Has not your voice "changed" yet?
3. Why does a child not speak?

For the convenience of counselling the cases and benefit of handicapped, pamphlets on the following topics were printed:

- i. the deaf;
- ii. the mentally retarded, and
- iii. those having discharge in the ear

Camps and Exhibitions

Nine speech and Hearing camps and exhibitions were held and 3616 cases were examined. The details are as indicated below:

Sl. No.	Duration No. of days	Place	No. of cases examined
1	2	Kottayam	1200
2	1	Mysore (school screening)	200
3	1	Channarayapatna	740
4	1	Naguvanahalli (Poly camp)	11
5	2	Cannanore	386
6	2	Cochin	305
7	2	Mangalore	256
8	2	Palghat	410
9	2	Mulki	108
Total			3616

Prints of Telugu and Malayalam version of the Institute's documentary film "Hello Vadiraj - the World of Sound" were obtained from the Films Division of India for public education purposes.

New charts in the form of cartoons depicting 'Dos and Dents' on certain Speech and Hearing problems were drawn up for exhibition purposes. They have proved to be very popular in our exhibitions.

Visitors from different walks of life visited the Institute and have lauded the services provided for the communicatively handicapped community. The major chunk was from the teachers and the medical students. Among others we had leaders of religious institutions, such as, Ramakrishna Ashram and clergy members of the Church, Russian Psychologists and Educationists, members belonging to the profession of nursing, defence personnel, high officials of both the State and the Central Government and also professionals from overseas.

The XVIII World Day of the Disabled was observed during March-April 1977. Mementos to five of the outstanding handicapped employees working in the city in different sectors were presented on the occasion. The participating institutions gave their cultural programmes.

The XIX World Day of the Disabled was celebrated on the third Sunday of March 1978. A team of staff and students led by Dr. J. Bharathraj, Head of the Department of Psychology went to the "Karuna Griha" (Centre for Physically Handicapped), Melkote and examined the members of the Centre besides examining the general public for the Speech and Hearing problems. They found that 26.6% have chronic suppurative otitis media; 1% mild conductive hearing loss; 16.6% delayed speech combined with mental retardation; 1% puberphonia with conductive hearing loss. As a part of the rehabilitative measure suitable follow up action has been suggested to the Centre.

On the occasion of the Institute's XII Anniversary on 9th August 1977 an "Open House" was observed.

The A.I.R. broadcast from its Bangalore and Bhadravati stations programmes of our Camps and Exhibitions and ~~interviews~~ with our specialists for the information of the general public.

During the third week of December "Human Rights" week was celebrated. Competitions on various items were held. The participants were mainly our cases. The winners were given prizes on the Republic Day.

As in the previous years the press was cooperative in publishing official press releases.

Publicity and Information

Sri K. Mohamed Fazlulla, PIO -

- A Radio talk in Kannada on "Id-ul-Fitr" from the Mysore Station of A.I.R.

Publication

Published two popular articles in the leading newspapers; on -

1. Typewriters
2. "Ibn Khaldun" - A historiographer of the Middle East

Conference

The Publicity and Information Officer participated in the X Annual Conference of the ISHA held at Mysore as one of the members of the Reception Committee.

COMMITTEES

The following Advisory Committees were constituted during 1977-78:

1. Library Committee

Dr.(Miss) Shailaja Nikam	Chairman
Dr. J. Bharathraj	Member
Mrs. Saraswathi Menon	Member
Dr(Miss) M.V.Susheela	Member
Mr. S.S. Murthy	Member
Mr. M.V.Govindarajan	Member

To look into all requests for Purchase of new books and subscription/renewal of journals, to make suitable recommendations for the approval of the Director; and to suggest ways and means for the up-keep and maintenance of the Library.

II. Agri-Horticultural Committee

Dr. J. Bharathraj	Chairman
Mr. S. Shankar	Member
Mr. S. Narayana Raju	Member
Mr. Shivanna	Secretary

To look after the development of the land, Gardening in the campus and growth of crops (both at the Institute campus and the new area) and to make suitable recommendations to the Director for implementation.

III. Official Language Implementation Committee:

Dr. N. Rathna
Mr. S. Shankar
Smt. H.T. Uma Saraswathy
Sri Varadaraja Gupta
(Representative from Hindi
Teaching Scheme)

Chairman
Member Secretary
Member
Member

IV. AIISH, Departmental Canteen (Managing Committee)

Dr. J. Bharathraj
Mr. Srikantha
Mrs. Indira Prakash
Mr. S.L. Vijayanarasimha
Mr. K.L. Ramasetty

Chairman
Secretary
Member
Member
Member

To look after the management of the canteen.

ESTABLISHMENT

staff

The staff position is as follows:

Sl. No.	Category	Sanctioned posts			Existing staff	
		Perma- nent	Tempo- rary	To- tal	Perma- nent	Tempo- rary
1.	Group 'A'	15	3	18	14	-
2.	Group 'B'					
3.	Group 'C'	24	4	28	24	4
4.	Group 'D'	21	4	25	21	3
		60	11	71	59	7
Total No. of Sanctioned posts				- 71		
Total No. of posts filled				- 66		
Number of posts vacant				- 5		

DIRECTOR

Dr. P.R. Kulkarni, MBBS, MS(ENT) DORL

Department of Speech Pathology

Professor & Head of the Department of Speech Pathology

- Dr.N.Rathna, M.S(Hunter)
M.S.(Gallaudet)
M.A.T. Ed.D.(Indiana)

Reader in Speech Pathology

- Mrs.Saraswathi Menon, M.A.

Lecturers:

- Sri.N.P.Nataraja, MSc
(Sp.&Hg.)
- Vacant

Clinical Assistant

- EP.Balakrishna, MA., M.Ed.

Research Assistant

- MG Subramanyiah, BSc(SSII)

Department of Speech Pathology (continued)

- | | |
|-------------------------------|--|
| 6. Itinerant Speech Therapist | - Smt. Indira Prakash, BSc (Sp. & Hg.) |
| 7. Junior Stenographer (F/N) | - Sri T. Keshavamurthy |
| 8. Peon | - Sri B. Siddaiah |

Department of Psychology

- | | |
|--|--|
| 1. Professor of Psychology | - Vacant |
| 2. Reader & Head of the Department of Psychology | - Dr. J. Bharathraj, MA, Ph.D (Psychology), DMF |
| 3. Lecturer in Psychology | - Miss A.D. Bhavani, M.A. (Psy.)
B.Ed., D.M. & S.P. |
| 4. Clinical Assistant | - Sri P. Chandra, B.Com, B.Ed. |
| 5. Clinical Attendant | - Sri S. Gopal |
| 6. Junior Stenographer (A/N) | - Sri T. Keshavamurthy |

Department of Audiology

- | | |
|---|--|
| 1. Professor | - Vacant |
| 2. Reader & Head of the Department of Audiology | - Dr. (Miss) Shailaja Nikam
M.A. (Psychology) M.A. (Speech)
Ph.D (Audiology & Speech Sciences) |
| 3. Lecturer in Electronics | - Sri S.S. Murthy (MSc Tech.) |
| 4. Lecturers (Audiology) | - Sri MN. Vyasamurthy (MSc (S&H))
- Sri S.P.C. Pandalay (MSc (S & H)) |
| 5. Electronics Engineer | - Sri S. Narayana Raju BSc, AMIE |
| 6. Scientific Assistant | - Sri Srikantha, BSc., BE (Elec) |
| 7. Clinical Assistant | - Smt. Sowmyamala, BSc., BE (Elec) |
| 8. Research Assistant | - Smt. M.A. Mythili, MSc (S & H) |

9. Senior Stenographer
(also attends ENT, Library,
Hostels & student Association
work)

- S. Padmavathi Bai, B.A.

10. Peons

- Sri K.L. Ramasetty

- Sri Basavalingaiah

Department of T.N.T.

. Head of the Department

- Dr. P.R. Kulkarni, MBBS, MS(ENT)
DORL

. Reader in T.N.T.

- Dr. (Miss) M.V. Susheela,
MBBS, MS(ENT), DLO

. Junior Otolaryngologist

- Dr. K. Vishnu, MBBS, MS(ENT)

. Staff Nurse

- Smt. M.G. Mariamma

. Ward boy

- Sri R. Kannan

Medical Records

. U.D.C.

- Sri B.S. Gururaja, BSc

. L.D.C.

- Sri G.R. Prakash

. Peon

- Sri D. Krishnaiah

Director's Office

. A. to Director

- Sri K.H. Radhakrishna, B.Com

. Asst. Secy

- Sri Ameer Ahmed

Office and others

. Administrative Officer

- vacant

. Office Superintendent

- Sri S. Shankar, M.A (Pub. Admin)
M.A. (Pol. Science), B.L., RBV

. Librarian

- Sri M.V. Govindarajan, M.A.,
B. Lib. Sc.

. Publicity & Information
Officer

- Sri K. Md. Fazlulla,
M.A., B.L.

5. Accountant-cum-Cashier

- Sri S.L.Vijayanarasimha
B. Com.

6. Hindi Translator

- Smt. H.P.Uma Saraswathi
M.A. (Hindi)

7. U.D.C.'s (3)

- Sri S.G.Gopinath

- Sri M.P. Pandurangaraj Urs

- Sri N.S. Subramanya

8. Care-Taker

- Sri Shivanna, M.A. D.C.E.

9. Junior Stenographer

- Sri M.H.Sanjeeva Murthy,
B. Com.

10. L.D.C's (3)

- Sri N. Ramachandra Rao

- Sri L. Siddaiah

- Sri S. Basavaiah MA

11. Drivers

- Sri M.K. Ramappa

- Sri A. Jesurathnam

12. Junior Gestetner Operator

- vacant

13. Peons (2)

- Sri Madhu

- Sri P.B. Jeevan

14. Watchmen - 5

- Sri Thimmappa

- Sri Dasappa

- Sri Padam Bahadur

- Sri Bhim Bahadur

- Sri S. Shivappa

- | | |
|---------------------------|----------------------|
| 15. Malis - 4 | - Sri Chowdaiah |
| | - Sri Kannappan |
| | - Sri Marinnanjaiah |
| | - Sri Mahadeva |
| 16. Sweepers - 4 | - Sri Hoblaiah |
| | - Sri Rama |
| | - Sri Nanjaiah |
| | - Smt. D.N. Padma |
| 17. Cook (Gents' Hostel) | - Sri K.M. Venkatesh |
| 18. Cook (Ladies' Hostel) | - Smt. T.N. Gowramma |

Appointments, Resignation, Termination, Dismissal etc.

Appointments: Dr. K. Vishnu, was appointed (on deputation from Govt. of Karnataka) as Junior Otolaryngologist with effect from 12.8.1977.

Resignation: Sri P.D. Manohar Lecturer in Speech Pathology resigned with effect from 30.6.1977.

Deputation/Training

Mr. S. Shankar, Office Superintendent, participated in Short-term Training course on "Organization and Methods" conducted by National Institute for Training in Industrial Engineering, Bombay from 25.7.77 to 12.8.77.

Mr. B.S. Gururaja, UDC undergone training in Medical Records Technician Course at Safdarjang Hospital, New Delhi from 1st March 1977 to 31st August 1977.

Work Study of the Institute

The internal work study unit of the Ministry of Health and Family Welfare, Government of India, visited this Institute and undertook work study during the period 4th January to 18th January 1978. The scope of the study was confined to the requirement of additional posts which were included in the budget estimates of the Institute for the year 1978-79 and also in the Plan proposals for the same year.

Some of the main techniques used in the work study unit were self-logging, sampling of activities of various functionaries and analytical estimation. On-the spot observations were also made wherever necessary to watch the actual working.

After assessment, the team recommended the creation of seven posts and also made certain suggestions regarding improvement of library facilities, record keeping, publications and maintenance of garden.

Hindi Training:

No. of employees who appeared for Hindi Examinations conducted by the Hindi Teaching Scheme:

TRAININGAdmissions:

Number of students admitted to various courses
Speech and Hearing during 1977-78 are as follows:

<u>Courses</u>	<u>No. of students</u>
I BSc	20
II BSc	19
III BSc	15
I MSc	10
II MSc	11
Total	75

Admissions to BSc and MSc courses were made on
a zonal and merit basis.

Annual examinations

BSc and MSc Speech and Hearing examinations scheduled
to be held during April 1978 were postponed indefinitely
by the University.

Research Fellows:

The following Research Fellows were working
during the year 1977-78 on the topics noted against them.

1. UGC Research Fellows:

1. Vijayalakshmi Basavaraj

Topic: Development of a test in Kannada for Assessing Language Acquisition and Performance - An Interim Report.

2. Sri George Samuel

Topic: The Effect of Monolingualism, Bilingualism and Polylingualism on Learning of Language - Including learning of a new language.

3. S.V.Sreedevi - Resigned with effect from 28.10.

II. CSIR Research Fellows:

1. D. Vasantha

Topic: Role of Developmental Variables in Competing Message tasks -

2. Jesudas Dayalan Samuel

Topic: Speech Discrimination tests in Tamil Language.

3. S.U. Nandur : resigned w.e.f. 20.7.77

III. Institute Research Fellows:

1. Babu Punhan

Topic: Development and Standardization of a method to over-come Naunton's Dilemma (Aud.& Otolaryngology oriented)

BUILDINGS

1. Construction of Speech Pathology and Audiology Block is in progress and is expected to be completed in August 1978.
2. Construction of First Floor over OPD and Clinic Block for locating the departments of Psychology and Library has been approved and would be taken up during 1978-79.

EQUIPMENT

Additional equipment to the tune of Rs. 2,02,382-06 were added to various departments during the year as detailed below:

	Rs.	p.
1. E.N.T. Department	1,22,510	56
2. Psychology Department	7,547	70
3. Speech Pathology Department	34,302	40
4. Audiology Department	37,521	40
	<hr/>	
Total	2,02,382	06
	<hr/>	

B U D G E T - 1977-78

Rs.in lakhs

Sl No	Head of A/c	Actuals 76-77		Sanctioned Estimates 1977-78		Revised Estimates 1977-78		Budget Estimates 1978-79		Sanctioned Estimates 1978-79	
		N.Plan	Plan	N.Plan	Plan	N.Plan	Plan	N.Plan	Plan	N.Plan	Plan
I	RECURRING:										
1	Pay officers	1.587	0.222								
2	Pay of Estt.	2.049	0.009	6.37	1.06	5.2788	0.9250	5.6357	1.6207	-	1.65
3	Allow. & Hon.	2.267	0.139			0.3200	0.1064	0.4000	-	-	
4	Other charges	1.572	-	2.20	-	0.1590	-	0.1590	-	-	0.25
5	Advances	0.320	-	-	-	2.4610	-	2.7860	-	-	-
6	Stipend	0.718	-	-	-	0.1420	0.0600	0.1310	-	-	-
7	CPF, Leave Salary & Pen. Contribution	0.424	-	-	-	0.8550	0.1920	0.9000	0.1000	10.05*	0.10
8	Travel Exp.	0.088	-	-	-	0.4100	0.0300	0.4100	-	-	-
						0.2000	0.0500	0.2500	0.0793	-	0.05
II	CAPITAL:										
1	Works	-	2.378	-	3.00	0.2000	3.0000	0.3500	3.0000	-	3.00
2	Equipment	0.208	1.237	-	0.80	0.4000	2.0000	1.0000	2.4500	-	2.45
			0.298				1.2000				
3	Furniture, Library & vehicles	0.136	0.191	0.40	0.14	0.2500	-	0.2500	-	-	-
						0.2900	0.2000	0.2000	0.2500	-	-
III	COLLABORATION WITH OTHER AGENCIES:					NIL					
IV	HOSPITALITY TO EXPERTS UNDER COLOMBO PLAN:					-	0.2500**		-	-	-
V	ANTICIPATED FINANCIAL ASSISTANCE FROM OUTSIDE AGENCIES:										
1	Indo-Danish Collaboration						9.0000**		7.0000**		-
	Total	9.368	4.474	8.97	5.00	10.9258	17.0134	12.4717	14.5000	10.05	7.50

* Lumpsum provision

** Not materialised

POOR PATIENTS WELFARE FUND

A poor patients welfare fund has been created at the Institute with the approval of the Government of India, vide Ministry of Health & Family Welfare letter No. F.11/33/68-MA dated 6th December 1968. The fund is utilised to provide the following amenities to the poor patients suffering from speech and hearing disorders and who come to the Institute for treatment.

- a) purchase of hearing aids, battery and other accessories in cases where the supply of aid/battery etc., is considered absolutely essential.
- b) cost of meeting the reasonable charges of boarding and lodging to poor patients coming to the Institute from a place other than Mysore City Municipal limits and who are not in a position to meet such expenditure during their stay at Mysore for treatment.
- c) any other purpose considered by the Director of the Institute to be essential in the interest of poor patients.

The fund will generally be financed from:

- (i) moneys collected from charity boxes;
- (ii) Donations; and
- (iii) Charity shows.

The following is the financial position of the fund during the year:

1. Opening balance	-	Rs. 3,496-50
2. Receipts	-	Rs. 920-32
3. Payments	-	Rs. 451-05
4. Closing balance	-	Rs. 3,965-77

STUDENTS' ASSOCIATION

The Association is showing alround achievement in extra-curricular activities for the past few years. Many talents came to light in the intramural and extramural activities which **brought** fame to the Institute.

The elections of the Association were held on August 13, 1977 and the following were selected for different offices.

Ms. Savithri S.R. - General Secretary
 Ms. Roopa Nagarajan - Cultural Secretary
 Mr. Anil Kumar Bharadwaj - Sports Secretary

For each class a representative was selected. The members of the staff, as in the last year, continued their work. Dr.P.R.Kulkarni, Director, Dr.N.Rathna, Prof. & Head of the Department of Speech Pathology, Mr.SPC Pandalay, Lecturer, Deptt. of Audiology, continued to be ^{the} President, Vice-President and Treasurer, respectively of the Association.

On October 25, 1977, Dr.B.S.Ramakrishna, Chairman, Electrical Sciences Division, Indian Instt. of Science, inaugurated the Students Association and he delivered the inaugural address.

An "Inter-collegiate Drama Competition" was conducted by the Association on 15th, 16th and 17th of March 1978, in which many of the City colleges participated. The following colleges respectively got I, II and III prizes in this competition.

Regional College of Education - I prize
 Maharani's College for Women - II prize
 Maharaja's College, Mysore - III Prize

A host performance was given by the students association on the 17th of March. The prizes were distributed on the same day.

Many of our students represented the Institute in inter-collegiate events. Ms. Mani Rao (II MSc), Mr. Latte G.A. (II MSc) and Mr. Ghosh (I BSc) have represented the Institute in several debate competitions held by others. Almost all the students of the I BSc (77-78) have shown keen interest in the activities of the association and have represented the Instt. in group song, skit and film hit competitions conducted by Jayees of Mysore.

A students library was started by the Association with a view of providing a variety of books other than those of Speech and Hearing.

As usual some cultural programmes were conducted by the Association. Many students participated and have shown talents in:

- (1) Essay competition which was conducted in Hindi, English and Kannada;
- (2) Antyakshari competition; and
- (3) Eating competition.

The students and Institute's staff extended their kind-hearted cooperation in all the activities of the Association and spared their invaluable time for the activities.