

Institute of Health Systems

Director's report

Eighth annual general meeting (2000-2001), 06 December, 2001

Ladies and gentlemen,

On behalf of the faculty and staff of the Institute, I extend a hearty welcome to all of you to this eighth annual general body meeting. I have structured my report as follows:

1. Faculty and personnel.
2. Reporting year (2000-2001) events and activities.
3. Current year (2001-2002) events and activities till date.
4. Taking stock of the Institutes progress so far.

Faculty and staff:

As on date we have a total of 55 persons in various categories as shown here.

| Category of personnel | Persons |
|---|---------|
| Volunteer(s) | 2 |
| Full time faculty | 10 |
| Visiting faculty | 1 |
| Research Associates | 12 |
| Research Assistants | 9 |
| Investigators | 0 |
| Fellows and Interns | 3 |
| System Administration and Technical Support | 5 |
| General Support: Executives, Programme Associates, Assistants and Staff | 13 |
| All | 55 |

Mrs. Lipika Nanda, a charter member of the Institute continued to volunteering her services as a senior faculty, since February 1999. Annex-1 provides more details about the current faculty and personnel profile of the Institute. Our faculty participated in many workshops, seminars and conferences both domestic and international. Annex-2 lists details of IHS faculty participation in training programs, workshops, seminars and conferences. A list of outgoing faculty and personnel is given in Annex - 3.

I. Reporting year (2000-2001) events and activities:

A. Completion of research projects reported earlier:

Following studies, already reported in detail in the previous years report were completed during the year under report i.e. 1999-2000.

1. The District Family Health Survey - Pilot study: This study was designed to estimate Infant Mortality Rates (IMR), Total Fertility Rates (TFR) and Maternal Mortality Rates (MMR) in small areas such as a revenue division and a district. We found significant variation in mortality experienced by people in different parts of the state. Mahboobnagar, among the three districts studied, showed very high levels of IMR compared to the state average. Divisional level estimates within the Mahboobnagar district shows that one out of its five divisions has comparatively low IMR and the rest four divisions have high IMR. Further study of differences in public health facilities, socioeconomic and literacy differentials between the revenue divisions may

provide additional insights. Nevertheless, the present study clearly brings out the need for a more targeted and focused approach to improve public health status in Mahboobnagar district. Such targeted approach holds the promise for further improvement of the mortality situation and IMR at the state level. Results of the study have been published as IHS RP8/2001.

| District and Divisional estimates of IMR and TFR | | |
|--|----------|------------|
| District / Division | IMR | TFR |
| Nellore Dt. | 79 (46) | 2.13 (3.1) |
| Gudur Div. | 92 | 2.03 |
| Kavali Div. | 58 | 2.25 |
| Nellore Div. | 81 | 2.13 |
| Chittoor Dt. | 65 (60) | 2.17 |
| Madanapally Div. | 76 | 2.17 |
| Chittoor Div. | 67 | 2.21 |
| Tirupati Div. | 45 | 2.1 |
| Mahbubnagar Dt. | 115 (77) | 2.52 |
| Gadwal Div. | 93 | 2.53 |
| Mahbubnagar Div. | 110 | 2.66 |
| Narayanpet Div. | 125 | 2.41 |
| Wanaparthy Div. | 62 | 2.51 |
| Nagarkurnool Div. | 140 | 2.46 |

¹ Figures in parentheses indicate estimates derived from 1991 Census data using similar methods

2. Structure and Dynamics of the Private Health Sector in Andhra Pradesh: This study sought to understand the structure and dynamics of the private health sector in Andhra Pradesh, in order to provide insights for policy. Briefly, we find that there is not much to choose between private forprofit, nonprofit or public health care institutions on grounds of efficiency or quality of care. The nonprofit and public health care institutions are comparatively more accessible to the poor. One important advantage of the private HCIs is the quick response to demand. We have provided a set of policy recommendations mainly towards developing national infrastructure for quality assurance and accreditation systems in health care. The report has been published as RP13/2001.
3. Child labour and assessment of impact of work in aquaculture on health and education of children. The study found that almost half of the children in the purposively sampled villages were working. These villages were known for aquaculture characterised by high level of utilisation of child labour. We did not find any significant association between child labour and health or nutritional status. It would appear that working children have better access to food within the household in view of their earning capacity. However, these conjectures have to be investigated further. The report has been published as RP3/2000.
4. Andhra Pradesh Health and Health Systems Responsiveness Study. Our responsibility was to conduct the survey using a state wide representative sample. The survey has been completed and data provided to the WHO. The study implementation report has been published as RP11/2001. My special thanks to Ms Lipika Nanda, the Project

Coordinator for completion of the survey. I would like to inform you that she has implemented the survey well. More importantly, we may note that she has contributed her time freely as a volunteer.

5. Lepa India Communication Strategy Assessment. The study found that awareness about leprosy, its prevention and cure is quite low. The study recommends further strengthening of leprosy health education campaigns both among the general population and leprosy patients. The report has been published as RP14/2001.

B. Continuing research studies:

Following studies, already reported in detail in the previous years report were continued during the year under report i.e. 1999-2000.

1. APVVP - Patient Satisfaction Surveys. Two surveys were done during this year. The survey done in June, 2000 has been published as RP09/2001. The next survey during December 2000 has been published as RP10/2001.
2. Indoor Air Pollution Study. Objectives of the study were presented in the last report. Field work was done during this year.

C. Consultancy Services:

1. Periodic analysis of APVVP hospital performance: We continued to provide analytic and research support to APVVP for measurement of hospital performance.

D. Training Services:

There has been a slow but steady increase in the number of trainees. You may recall that the number of participants in 1998-99 was 89. During the year 1999-2000 the number increased to 109. As seen from the table given below, the number of trainees during 2000-2001 was 145.

| Dates | Program Title | # Students |
|-------------------------|--|------------|
| 17-29 Apr 2000 | Managing Primary Health Care in Remote Areas | 16 |
| 17-18 Apr 2000 | Academic and business communication (ABC) workshop for IHS Staff. | 26 |
| 18 Nov - 02 Dec 2000 | Managing Primary Health Care in Remote Areas | 5 |
| Feb 07 - 15 June, 2000 | CHISA Phase: II | 27 |
| 10-12 Jul 2000 | Introduction to Health Level Seven (HL7) | 10 |
| 04 - 09 Sep 2000 | Health State Valuation Study | 8 |
| 25 Sep - 03 Nov, 2000 | Health Care Software Development Course | 3 |
| 13-25 Nov 2000 | CHISA-1999 Phase -3 | 4 |
| 04-12-2000 - 05-01-2001 | Health Care Software Development | 6 |
| 20-12-2000 - 30-12-2000 | Managing Primary Health Care in Remote Areas | 21 |
| 20-03-2001 - 24-03-2001 | Introduction to Health Level - 7 | 9 |
| 20 - 24 March 2001 | Using PRISM the processing and research information system for mortality data. | 10 |
| April 2000 - March 2001 | All Programs | Total 145 |

E. Public Services:

1. Library: People are gradually recognising the bibliographic niche being cultivated by the IHS library. Although our library is small, it has some collections in the area of health economics, health system research etc. not easily available elsewhere in Hyderabad. As of January 2000 we had 25 associate members. Currently we have 37 associate members including one life associate member. Most of these memberships

are taken to access the Institutes library services. Currently the library services about 323 retrievals per month.

2. APHIDB: We continued to maintain the AP Health Institutions Database.

F. Public Health Lectures:

I have mentioned in my previous reports about the usefulness and importance public health lecture program. Following is a consolidated list of such lectures arranged by the Institute during the year 2000-2001.

| Date | Title | Speakers |
|-------------|---|---|
| 25 Jan 2001 | Health Equity: a common challenge for health systems globally. | Dr. Timothy G Evans, The Rockefeller Foundation, New York |
| 8 Dec 2000 | Role of Private Hospitals in Health Care | Dr. Than Sein, Director, EIP, WHO-SEARO, New Delhi |
| 15 Nov 2000 | WHO and India in the new millennium. Tuberculosis Control in India. Past experiences and future guidelines. | Dr. Robert J. Kim-Farley, WR India Dr. Manjula Datt, Chennai |
| 4 May 2000 | Social or Private Health Insurance for India? | Prof. William Hsiao, HSPH. |

Current year (2001) events and activities

G. Research projects:

1. **Indoor Air Pollution Exposure Atlas and Health Impact Assessment:** Field work has been completed. Data has been made available to our collaborators at the University of Berkeley, USA, and Sri Ramachandra Medical College, Chennai. Analysis and model building are being done. Study report is under preparation.
2. **Obstetric Facility Assessment Study:** This study is to assess the facilities and needs of the hospitals providing Emergency Obstetric care (Emoc) in Public hospitals in Andhra Pradesh. The study started with the preparation of the list of all the possible public emergency obstetric facilities and hospitals providing the basic or comprehensive emergency obstetric services in the two districts of Medak and Adilabad. Availability of equipment, drugs and other facilities were studied in randomly selected sample of PHCs. Reports have been published as RP15/2001 (Medak) and RP17/2001 (Adilabad).

H. Consultancy projects

1. **Periodic analysis of APVVP hospital performance:** In my report for the year (1997-98), I have already given details about our work relating to periodic analysis of performance by APVVP hospitals. We continued to provide analytic and research support to APVVP in this area. Our reports along with findings from field visits were made available to APVVP every month in time.
2. **Reproductive Health Services and Sector Reform Project and AP State Action Plan:** The objective of the project is to prepare a State Action Plan of reform to achieve the reproductive and child health goals set in the Vision 2020 document and the State Population Policy. Components will include, a basic package of Family Welfare services to be available at the Sub-center and Primary Health Center. Commissioned by the Commissioner Family Welfare, the action plan, when ready, will pursue health sector reform with technical and financial support from the

European Commission. To learn from the experience and insights of field workers, we are conducting focus group discussions with ANMs and PHC Medical Officers. In addition we are reviewing literature and RCH programs in the state.

3. **Public Health Manual on prevention and management of Malaria and Gastro Enteritis Epidemics:** The state government commissioned the Institute to prepare AP state manuals for prevention and control of communicable diseases- Malaria and Gastroenteritis. The manuals prepared by us has been well received. The state government have printed 5000 copies each for official distribution. These have also been published by the Institute for wider dissemination.

I. Health Informatic Solutions:

We continued to develop the following software solutions to meet research and operational needs of health care institutions and public health authorities.

1. **PRISM (Processing and Research Information System For Mortality-Data):** The PRISM software has been developed for the research and analysis of the Cause of Death Reports.
2. **BDAP (Burden of Disease Analysis Project):** The BDAP software is being developed to meet the computation needs of Global Burden of Disease Estimations, so that researchers are free to concentrate on more serious issues regarding data accuracy, consistency and analysis of results. The project is funded by WHO, Geneva.
3. **HIMAN 2000 (Health Information Manager-2000):** This is being designed for hospitals and health care institutions. So far progress on this has been slow due to lack of funding. At present the software allows a hospital to gather statistics and send them electronically to a central site making use of a wide area network connection.
4. **HIDB (Health Institutions Data Base):** The HIDB, is a database design to hold the information of Health Care Institutions (HCI) located in any geographical region of the country.

J. Training services:

It is noteworthy and a matter of satisfaction for us that the Indian Council of Medical Research has chosen the Institute for training of their scientists in burden of disease study and cause of death research methodology. Two scientists from the National Institute of Epidemiology visited the Institute to study about cause of death research methodology. We have just completed the first workshop on National Burden of Disease Studies. Twelve ICMR scientists participated in the program. The next workshop will start from December 10. Following is the list of training activities during the current year.

| Dates | Program Title | # Students |
|-------------------------|--|------------|
| 10-05-2001 - 13-05-2001 | Desktop Navigation for Intranets | 14 |
| 25-06-2001 - 08-10-2001 | CHISA2001: Certificate Course in Health Intranet System Administration Phase-1 | 25 |
| 16-07-2001 - 20-07-2001 | Independent Study on Cause of Death Classification Systems | 2 |
| 01-10-2001 - 06-10-2001 | Introduction to the Methods of Epidemiology | 13 |
| 19-11-2001 - 01-12-2001 | Workshop on National Burden of Disease Studies | 14 |

K. Public Health Lectures:

We have not been able to conduct any public health lecture during the current year so far.

Taking stock of the Institutes progress so far:

As you can all see, the Institute has established its credentials as research and training Institution and has sustained its activity purely on the basis of earned revenue. This means that we have had to satisfy some funding agency or other about our capacity to implement the project and have thereafter satisfied agreed deliverables. I may reiterate here that the Institute does not receive any block grant in aid from any source. All its activities have been supported by members contributions and revenue earned through the hard work put in by faculty and staff. However, the overall size of our operations have been, understandably, small. Over the last three and a half years, we have expanded our activities. Hence it will be desirable to take stock of the progress made so far and then plan for the future. Narrative report of our activities have been made available to you through previous reports to the general body. Here I will summarise the gross revenue generated by the Institute from the date of its inception. This gives us an idea about the size of the Institute's operation so far. You may notice that we have sustained the level of revenue achieved last year. The share of domestic revenue has steadily increased over the years. I think this is a good sign.

At this stage I would like to share with you my experience in trying to build an Institution on a self sustaining basis. We do not have any corpus worth name. We have had our low points and moments of concern. We do not have capital grants to build up infrastructure. Hence one has to finely balance investments on physical and human resource infrastructure while running day to day expenses for projects. As a result we have faced cash flow problems on quite a few occasions. Most of the time we have turned to Ms Lipika Nanda for help. As far as I remember, we have borrowed money from her on quite a few occasions. I would like to assure you that we have repaid her debt usually quickly and do not have any outstanding dues to her. On one occasion we had to borrow some amount from Srilatha and on another occasion from Dr. Chalapathi Rao. Once again I assure you that we have repaid these debts. I am mentioning these here to inform you of the contributions made by many people towards building up of this Institution.

| Financial Year | IHS gross revenue in rupees | | | IHS Gross Revenue Trend Since Inception |
|----------------|-----------------------------|----------|----------|---|
| | Foreign | Domestic | Total | |
| 1991 | 0 | 43905 | 43905 | |
| 1992 | 424088 | 0 | 424088 | |
| 1993 | 380000 | 50000 | 430000 | |
| 1994 | 774568 | 275042 | 1049610 | |
| 1995 | 403604 | 445517 | 849121 | |
| 1996 | 768447 | 160186 | 928633 | |
| 1997 | 103612 | 835250 | 938862 | |
| 1998 | 599266 | 305100 | 904366 | |
| 1999 | 0 | 2066525 | 2066525 | |
| 2000 | 2720925 | 4249243 | 6970168 | |
| 2001 | 5668363 | 4717788 | 10386151 | |
| 2002YTD | 2802280 | 4487990 | 7290270 | |
| 2002 Est. | 3152280 | 6096329 | 9242609 | |

Institute's financial years are from April to March. Here each financial year is represented by the calendar year in which the financial year ends

I would like to take this opportunity to put forth before you my special appreciation of the contributions made by Lipika. She has contributed her time to the Institute as a volunteer.

The Board of Governors had approved of her employment in IHS, after learning about her interest to take up a full time position. As many of you are aware, Lipika happens to be my wife and I happen to be a civil servant primarily working for the government. I found that the Government of Andhra Pradesh were not comfortable about her full time employment in IHS. As a result I could not offer her the full time appointment approved by the Board. She has been nice enough to contribute her time voluntarily. Some of you may find it odd that I chose to mention about the contributions of a family member. I feel the contribution is more than ordinary and deserves a mention. May I request you to join me and convey our appreciation to her.

II. Accounts and audit report:

The audited accounts of the Institute have been enclosed. I now request you to consider the same and give your approval with suggestions if any.

Finally I thank you for having spared the time to participate in this meeting. Your presence is a great inspiration to me, and my colleagues in the Institute.

I would now request you to consider this report and give your valuable advise and guidance for further development of the Institute. I and my colleagues would like to assure you that we will do our best to relate your ideas and suggestions into action.

Date: 06th of December , 2001

Dr. Prasanta Mahapatra
Director and Hon. President

Annex-1

Faculty and Personnel Profile

Volunteer(s)

Lipika Nanda (Senior Faculty)

Lipika Nanda, Senior Faculty in Health Administration and a Charter member of the Institute, holds a Masters of Science degree in Public Health from the Harvard University - School of Public Health with specialisation in health care management and information systems. She was Lecturer Hospital Administration at the NIMS, Hyderabad and was in charge of the Hospital Information Systems. Earlier she was the Systems Analyst / Project Manager Chronic diseases program, at the Department of Public Health of the Massachusetts state, USA. She has been involved in many research and training programs in USA including; Data for Decision Making, Simulated presence therapy (a joint project of Harvard Medical School and VA Hospitals), Managing Health Programs in Developing countries, Shared decision making by public school administrators, etc. She also holds a Masters degree in Psychology from the UGC Advanced Center at the Utkal University, and a Certificate of Advanced Study in Human Development from the Harvard Graduate School of Education. She has taught graduate students in psychology for five years. Currently she is specialising in health information systems, quality assurance in health, operations research in health care delivery, health status measurements, burden of disease methodology and responsiveness study methodology. She is the course director of the series of courses on "Smart use of computers by health executives" and "Designing and Implementing Health State Valuation Studies" conducted by IHS. Her computer skills include Oracle database administration, and office suite applications. She was the project co-ordinator of the AP Health State Valuation Study, a community based 1,000 household survey which has just been completed. Currently, she is the principal investigator of the AP Health and Health Systems Responsiveness Study, a 6,000 household survey, funded by the World Health Organisation, Geneva.

Jayasree Dullur (Fellow)

Dr. Jayasree Dullur holds an MBBS degree from the NTR University of Health Sciences, Vijayawada. She has attended workshops on PRISM and Cause of Death Research organised by IHS. Currently pursuing her post graduate MD degree in Dermatology from Osmania Medical College, Hyderabad.

Full Time Faculty

Prasanta Mahapatra

Dr. Prasanta Mahapatra, Director of the Institute is a physician civil servant. He is on deputation from the AP cadre of the Indian Administrative Service. He is currently a member of WHO Committee of Experts on Measurement and Classification for Health and has completed his Ph.D. in International health economics at the Harvard School of Public Health. Dr. Mahapatra established, for government of AP, the first University of Health Sciences (APUHS) in India, at Vijayawada and became its first Registrar. As Registrar of the APUHS and Director Medical Education, he was responsible for state wide co-ordination and

management of tertiary hospitals and medical education services. He was collector of Nellore and then commissioner, AP Commissionerate of Medical Services (Vaidya Vidhana Parishad). While Commissioner APVVP, he prepared a project for development of first referral health system in the state. The project has since been funded by the World Bank and is now being implemented in Andhra Pradesh. As collector of Nellore, he introduced a collectors office manual, streamlined the public grievance redressal system, conceived and implemented land development projects integrating cadastral survey with soil conservation concepts. He has experience in disaster distress relief management, rural development, general administration and information technology applications in government. Between 1991-1993 he was a International Health Policy Program Fellow and a Takemi Fellow at the Harvard School of Public Health. His research work, during this period, included measurement of public hospital performance, accreditation systems for health care organisations, traditional and herbal medicine etc. Dr. Mahapatra has been a member of the Harvard Burden of Disease Unit from its inception and contributed to the Global Burden of Disease estimates published in the World Bank's World Development Report, 1993. As a faculty in the Administrative Staff College of India, he started a study to estimate burden of disease in AP.

S.Srilatha

Ms Srilatha, Faculty in Quality Assurance in Health Care, is a graduate in nursing and has a masters degree in social science (public personnel management). She was recipient of the USAID award for outstanding performance in the nursing course curriculum. Her areas of interest include preparation of standards, quality assurance in health care organisation, consensus development methods, reproductive, and child health. She has worked in a collaborative project in technology information forecast assessment at the Administrative Staff College of India. The project used consensus development methods to forecast technology trends for identified areas of health problems. Her papers and publications include quality assurance in nursing, and quality of reproductive health care provided in private hospitals. Currently she is pursuing Takemi Programme at Harvard University, United States.

J Anjaneyulu

Mr. J. Anjaneyulu, Faculty in Statistics, holds a post graduate degree in Statistics, diploma holder in Advanced Computer Technology from S.S. computers in Guntur. He is currently working on periodical performance analysis of APVVP hospitals and is developing a methodology for producing summarised annual reports of performance of individual hospitals. He is also involved in the statistical analysis of data from the District Family and Health Survey, as well as in maintaining the Census 1991 database. He is currently pursuing diploma in Business Management through correspondence.

K Satish Kumar

Dr. K Satish Kumar, Faculty holds a post graduate degree and Ph.D. in Zoology with Environment Biology as specialisation. The title of his doctoral work is " Studies on Urbanisation and the Associated Human Health effects through a Conjunctive Use of Satellite Remote Sensing Data and Ground Observations". He worked as a Research Assistant in the Forestry and Ecology Division of National Remote Sensing Agency, Dept. of Space, Govt. of India, wherein he was acquainted with techniques of both visual interpretation/ digital analysis of Satellite Remote Sensing Data and was involved in a Habitability Index project of Vijayawada city involving generation and analysis of ambient air quality, meteorological and socio-economic data. He was a recipient of the senior research

fellowship (SRF) sponsored by the Council of Scientific and Industrial Research (CSIR) New Delhi.

As part of his Ph.D. work, he executed field based research program in adults (n=216) as well as in paediatric population (n=1,119) the subjects belonging to both urban and rural areas, essentially focusing on the respiratory morbidity aspect as an offshoot of urban outdoor air pollution. A part of his Ph.D. work entitled "Respiratory Effects of Air Pollution " presented at the AP State Tuberculosis and Chest Diseases Worker's Conference, held at Vijayawada in 1997, was awarded a Gold Medal for best scientific paper presentation. He also worked as a part-time lecturer at the PG level, at the Department of Zoology, Osmania University, Hyderabad. He was project co-ordinator in the District Family Health Survey, a pilot study, funded by the Commissioner of Health & Family Welfare, Govt. of Andhra Pradesh. This study was undertaken to estimate sensitive indicators of population health - Infant Mortality Rate, Maternal Mortality Rate & Fertility Rates at the district level, which are useful for monitoring effectiveness of public health programs. He is currently involved in Indoor Air Pollution Exposure Assessment study, funded by the World Bank.

Mukesh Janbandhu

Mr. Mukesh Janbandhu, Faculty holds a post graduate degree in Medical and Psychiatric Social Work from Tata Institute of Social Sciences, Mumbai. Having done BMR (Bachelor's Degree in Mental Retardation) from the National Institute for Mentally Handicapped, Secunderabad he has worked with mentally handicapped children and adults in Mumbai. After working for an year, he completed his masters in Social Work and joined CHETNA (Center for Health Education Training and Nutrition Awareness) at Ahmedabad, Gujarat. At CHETNA, he was responsible for conducting training programmes on capacity building of NGO's developing health education materials and documentation. He also worked with the Foundation for Research in Health Systems (FRHS) Ahmedabad as a Research Officer. At FRHS he assisted in co-ordinating an operations research project on health Systems at Ahmednagar in Maharashtra. He was also involved in other research projects on Reproductive health.

VB Sai Kumar

Mr. VB Sai Kumar, Faculty holds a Ph.D in Biotechnology specialized in Immunology from Jawaharlal Nehru Technological University. He has had medical research experience in the areas of diagnostics, blood banking, transfusion medicine and quality control. He has held the position of research and training coordinator at Institute of Transfusion Medicine and Research. He also has post doctoral research experience at Dept. Of Medicine, Indiana University in United States. Currently he is working for health sector strategy development project.

Samatha Reddy P.R.

Ms. Samatha Reddy, holds a post graduate degree in Food Science and Nutrition from SV University, Tirupati. She was a recipient of three gold medals for securing the highest aggregate marks and first rank in her masters. She worked with CARE - Andhra Pradesh an International Voluntary Organization on Community Managed Supplementary Nutrition Program and Anemia Control Program. Planning, implementation, monitoring and evaluation of the community based programs form the core of her experience. She is currently working on Reproductive Health Services and Sector Reform Project Preparation for European Commission funding for the Dept. of Health and Family Welfare.

Anurag Dubey

Mr. Anurag Dubey, Faculty holds a post graduate degree in hospital administration with specialisation in informatics systems from Institute of Management Studies, Indore. He has working knowledge of C, C++ and VB 6. He is currently working on APHIDB and UHID projects.

Atul Priyadarshi

Mr. Priyadarshi, is a postgraduate in Zoology with specialization in Biochemistry and Physiology from Patna University, Patna. He also has a post graduation diploma in Management, Finance and Equity Research and Analysis. He has work experience of 2 years as a principal team analyst in the editorial team of Portfolio Organizer magazine and Analyst magazine of the Institute of Chartered Financial Analyst of India (ICFAI), Hyderabad. He was a visiting faculty at Icfaiian Transworld University Center and Icfaiian Business School for MBA and CFA student. He was a resource person at A N College, Patna and took classes of Environmental Science and Water Management. He was also a visiting faculty at AIMA-CME, Patna Nodal Center and took classes of MBA Finance. He also worked as a faculty at Sanjay Gandhi Institute of Dairy Technology (SGDIT), Rajendra Agriculture University, Patna and took classes of Biochemistry. He contributed many original articles for 'Career Panorama' of the daily, Indian Nation and Analyst magazine of ICFAI. He has undergone summer training in Equity Research at Tata Steel for 7 weeks and another summer training in Equity Research at Usha Beltron Ltd. for 7 weeks. His areas of interest are journalism and research.

E. Srinath

Mr. Srinath, Faculty in Health Informatics, holds a masters degree in commerce and a graduate degree from the National Institute of Information Technology (NIIT). He combines knowledge of accounting with skills in software technology. He was Technical Faculty with major computer training institutions like the CMC and the Frontier Institute of Information Technology (FIIT). He has administered in house training programs for Dr. Reddy's lab which is a leading pharmaceutical concern. He worked on various software development projects including, bank automation and electricity billing. He also worked as Project Leader for Model Soft Ltd.

Visiting Faculty

Venkaiah A.

Mr. Venkaiah has a degree in public finance and economics and is a professional trainer. He successfully completed an advanced programme on "Training for Trainers" conducted by the University of Manchester, UK, and was awarded a certificate in Training and development by the Institute of Training and Development, UK. Earlier he was senior faculty member in the Accounts Training College, and Institute of Administration of the government of Andhra Pradesh. Currently Mr. Venkaiah is a freelance faculty and resource person. His areas of strength include, public administration, disciplinary procedures, public finance and accounting.

Research Associates

G. Madhu

Mr. Madhu, Research Associate is a post graduate degree holder in Social Work from Nagarjuna University. Currently he is pursuing PG Diploma in Rural Development from IGNOU. Earlier he worked as a coordinator in "Sampurna" an NGO conducting various programmes like DWACRA, Self Help Groups etc., and also in NIN (National Institute of Nutrition) conducting AP Economic Reconstruction programs under Base Line Survey of ICDS sponsored by WORLD Bank.

KM Pushpa Latha

Ms. KM Pushpa Latha, Research Associate is a post graduate degree holder in Psychology from College of Arts and Social Sciences, Osmania University. During her masters degree training she has completed projects like " Effect of Raga on Memory, Blood Pressure and Pulse rate among students of music" and "self defining Memories". She has also participated in "health state valuation" survey conducted by Institute of Health Systems.

K Srinivasan

Mr. K Srinivasan, Research Associate is a post graduate degree holder in Sociology from University of Hyderabad. During his masters course he has completed independent short term projects like " Corruption in India" and "Industrial Scenario at NATCO". He has experience in social survey, data collection and analysis.

Radha Krishna Raju

Mr Radha Krishna Raju K has a masters degree in Biochemistry from Kakatiya University. He has a PG Diploma in Plastics and also a diploma in Computer applications.

Neelima S

Ms Neelima S has a masters degree in Sociology from Osmania University with specialisation in criminology and rural urban thought. Currently pursuing diploma in Advanced Software Technology from CMC.

V Ravindra Kumar

Mr. Ravindra Kumar Vemula has a masters degree in Communication from the Central University of Hyderabad. To his credit he has a 23 minutes documentary film on Dalit Human Rights and 1 minute film on Child Labour and also done productions online during the course. He also has done a research project on ' The analytical interpretation of Indian nuclear tests by Indian print media like The Hindu and The Indian Express' based on the content analysis of editorials and the op-eds and done a research paper on 'Electronic governance in Andhra Pradesh'. He was invited by the Sambalpur University, Orissa to deliver a seminar on 'Communication and Development' on the occasion of All India Library celebration week- 2000.

Bhagirath Gop

Mr. Bhagirath Gop has a masters degree in Social Work with specialisation in medical and psychiatric social work from Osmania University. He has work experience as psychiatric social work trainee in Niloufer Hospital, medico social work trainee in Apollo Hospital , junior consultant in Taru Leading Edge and as investigator in AusAid and APPCB project.

He has extensive filed experience. He has done a study on ‘the doctors perception towards medical social workers’.

N Srinivasa Reddy

Mr. N Srinivasa Reddy post graduate degree holder in Physical Anthropology with specialisation in population genetics and demography from SV University. Currently pursuing Ph.D. Earlier worked as seminar research fellow in Anthropological Survey of India. He has fellowship project titled ‘assessment of nutritional and health status of sickle cell metrozygotes and G-6-pd deficient among Maria and Halba tribes of Bastar district.

S Srinivasa Rao

Mr. S Srinivasa Rao has two post graduate degrees, one in Anthropology with specialisation in medical and bio-social from Hyderabad Central University and Personnel Management from Osmania University. As part of his Anthropology masters degree he has done a project on “ Economic organisation of Chenchus”. He also has knowledge of C, C++ and Java. Earlier he worked for Unique Placements as Executive recruitment's.

Research Assistants

J Rambabu

Mr.J.Rambabu, holds a Masters degree in Economics from Sri Venkateswara University. He worked in Ramoji film city and in ENBEE Advantage Services LTd as a Customer Service Executive.

Dhanaraj

Mr. Dhanraj, holds a Masters degree in Zoology from Gulbarga University, Gulbarga. He has worked as a office assistant in district NRDMS (Natural Resource Data Management System) centre, Gulbarga- a DST sponsored project involving computerised data management of district Natural Resources. He also worked as a part time lecturer at the PG level , in department of Zoology, Gulbarga University.

Sumana

Ms. G Sumana, holds a Masters degree in Botany from PG College of Science, Osmania University. She has done PGDCA from Informa Computer Management Institute. She is currently pursuing Java 2.0 in Spandana Infotech.

Jagveer Kumar BS

Mr BS Jagveer Kumar has done Masters Degree in Business Administration from Osmania University. During his PG Course he completed projects like “Apna Bank - Computerization of Banking System” and “Study of Credit Card System in Bank of Baroda & Canara Bank with special emphasis on Andhra Bank”. He also has a Diploma in Pharmacy. He worked as a Social Science Intern in IHS. He participated in the projects like “District Family & Health Survey” funded by commissionerate of Health & Family welfare and “Structure and Dynamics of Private Health Sector in AP” funded by World Bank.

G Srinivasulu

Mr Sreenivasulu has a masters degree in Business Management with specialisation in Marketing from SKD University, Ananthapur. He also has a diploma in computer

applications from BDPS Kurnool. He has done a project titled “A Study of market segmentation” with special reference to Panyam Cements and Mineral Industries, Hyderabad.

Joshua Jeevan

Mr. Joshua Jeevan holds a masters degree in Biotechnology from SV University, Tirupati. He also has a diploma in computer applications. He got trained from Apollo hospital Chennai in the field of Invtiro fertilisation.

K V Ravi Kumar

Mr. Venkata Ravi Kumar K has a masters degree in Business Administration from CBIT, Hyderabad. Currently pursuing PGDFTM from CMS. He has work experience in CMEY project evaluation and development programme. He has done a project titled ‘scenario of industrial relation at NATCO Pharma Limited.

Goverdhan

Mr. Goverdhan has a masters degree in Social Work with specialisation in Urban and Rural Community Development. He has extensive field experience working as a case worker in integrated rural development services, Dr. Reddy’s Foundation for human and social development. He has organised a workshop on ‘child rights’ . Attended a conference on protection of children at risk.

N. Mary Nancy

Ms. Mary Nancy has a masters in Human Development and Family Studies from Sri Padmavati Mahila University, Tirupati. She worked as an incharge for Inter country adoption at St. Theresa’s Tender Loving Care Home for one and half year. She also worked as project intern at IHS for APHSR project.

Healthcare Software Programmers & Interns

Venu Gopal S

Mr. Venu Gopal, Software Developer has a Masters degree in Computer Applications from Kakatiya University. He also has a diploma in software exports from NIEM. He is a skilled developer in application software. He has development skills in various languages and platforms including Visual Basic, Oracle, C, C++ , Java and operating systems like Windows NT, Unix etc. He has done Health Care Software Development course from Institute of Health Systems.

G Shanti Krishna

Ms. Shanti Krishna, Software Developer is a Science graduate and has completed Higher Diploma in Software Engineering from APTECH, 'O' level from DOEACC and Health Care Software Development Course from IHS. She is currently pursuing masters in Mathematics from Osmania University. She has development skills in C, C++, VB, Oracle, JAVA and operating systems like MS-DOS, Windows. She has capability to enable all-round development of the establishment by utilizing the power of information technology through automation, by experience gained in previous assignments.

John Paul Chakalackal

Mr. John Paul, Software Developer has a degree in Computer Science from the college of Applied Science Purmaole, Kerala (Mahatma Gandhi University). And he has done Health Care Software Development course from Institute of Health Systems. He has development skills in Fortran, Cobol, C, C++ Java and VB. He also worked on operating systems like Windows, DOS, UNIX etc.

PV Kamalakar

Mr. PV Kamalakar, Software Engineering Intern has a masters degree in computer applications from Kakatiya University and Health Care Software Development course from Institute of Health Systems. He has development skills in C, C++ Java and VB. He also worked on operating systems like Windows, DOS, UNIX etc.

Vamsi Krishna

Mr. Vamsi Krishna, Software Engineering Intern has a BTech degree in Computer Science and Systems Engineering from Andhra University. He is also a Brainbench certified solution developer clearing the exams like VB script, Java script and ASP and he has done Health Care Software Development course from Institute of Health Systems. He also worked on operating systems like Windows, DOS, UNIX etc.

Kishore Kumar Y

Mr. Kishore Kumar, Software Engineer Intern is a commerce graduate and has completed nucleus course in software engineering from CBSI and health care software development course from IHS. He is currently pursuing masters in business management from Ambedkar University. He has development skills in C, C++ VB, Oracle, JAVA and operating systems like MS-DOS and Windows. He has capability to enable all round development of the establishment by utilising the power of IT through automation.

System Administration

V Bhaskar

Mr. V Bhaskar, Associate Systems Administrator has a degree in Commerce, post graduate diploma in computer applications and a certificate course in Health Intranet System Administration. He has work experience in languages like C, C++ operating systems like MSDOS, UNIX, Windows etc. He is currently working on maintenance of RAS, software assets, I-Net connections, e-mail services etc.

GBN Surya Kumar

Mr. GBN Surya Kumar, Associate System Administrator has a degree in Computer Science, PGD - MISCA from Osmania University and a certified course in Health Intranet System Administration. He has knowledge of languages like C, C++ , VC++, Java and operating systems like MSDOS, Unix etc. Presently under deputation at AP Bhavan New Delhi.

K Mohan Lal

Mr. K Mohan Lal, Associate System Administrator has a degree in Bachelor of Sciences, Post graduate diploma in Computer Management from Megabyte Computer Academy, Post graduate diploma in Computer Sciences from Self Employment & Training, Govt. of AP, Certificate course in Advance Programming in DBase III Plus and Micros in Lotus 1-2-3 and

certificate course in Health Intranet System Administration. He has 6 years work experience in maintenance of computer hardware in Govt residential ITI for girls and one year experience in District Collectorate Mahabubnagar. He has knowledge of COBOL, BASIC, FOXPRO and operating systems like MSDOS Windows etc.

M Balaiah

Mr. M Balaiah, Associate System Administrator has a degree in Engineering with Electronics and Communications from Andhra University, post graduate diploma in Information technology PGDIT from NISIET and certificate course in Health Intranet System Administration. Currently pursuing MBA material management from IGNOU. He has work experience in languages like C, C++ and operating systems like MSDOS, Windows etc.

Pavan Kumar

ITI - Electrical

Technical Assistant

General Support - Executive

A Padmaja

Ms. A Padmaja, Training Services Officer holds a post graduate diploma in financial management and graduate degree in Arts from Osmania University. She has worked as an executive secretary in Nagarjuna Finance Limited for eight years and dealt with office administration works and training programmes.

Ch. Gopal Rao

Mr Ch.Gopal Rao, Accounts Officer has a degree in commerce from Berhampur University, Orissa. He has worked as accountant for Rowe & Pal Chartered Accountants, Maniunatha Overseas Traders Ltd. He also worked as chief accountant for Narne Aqua Marine Estates Ltd, Secunderabad and as asst accounts manager in Hotel Deccan Continental, Secunderabad a reputed star hotel in Twin Cities.

Vijaya Lakshmi Tadi

Ms Vijaya Lakshmi Tadi has a masters degree in Public Administration from Osmania University. She has seven years of experience in the areas of administration, coordinating, liaisoning, event management, human resources management and teaching. Earlier worked as liaison officer in SIIF (Stroke Institute of India Foundation) for four years and also worked as customer care executive for Softalia Private Ltd, Hyderabad.

General Support - Assistants and Staff

| Name | Qualifications | Designation |
|-------------------|-----------------|------------------------|
| A. Swaroopa Rani | B.Sc (MPC) | Personal Assistant |
| Koteswara Rao K | BCom | Front Office Assistant |
| J.Phani Kumar | DCCP | Front Office Assistant |
| Rajmallu S | DCCP | Front Office Assistant |
| Kavitha B | B LiSc | Asst Librarian |
| Ajay Kumar Sindhe | PGD - PMIR | General Assistant |
| Uma Kanta Padhi | BSc (Chemistry) | General Assistant |
| Kumar Parida | | Camp Attender |
| Chandra Kala | | Sanitary Worker |
| Manemma | | Sanitary Worker |

Annex-2

IHS Faculty participation in Training programs, Workshops, Seminars and Conferences

| Dates | Event & Place | Faculty / Associate |
|---------------------|--|--|
| 15-16 Dec, 2000 | Workshop on Prevention and Control of Communicable Diseases - Malaria, Gastroenteritis & Japanese Encephalitis, Indian Institute of Health & Family Welfare, Vengal Rao Nagar, Hyderabad | Dr K Satish Kumar |
| 05 January 2001 | Workshop on The Indian Study Commission on Macroeconomics and Health(CMH), Conference Room, ICRIER | Prasanta Mahapatra |
| 7 February 2001 | State level workshop for finalisation of Strategy Paper for Health Sector, Health, Medical and Family Welfare Dept. Government of AP, Hyderabad. | Ms Samatha Reddy PR |
| 18 April 2001 | Public Consultation Workshop on Issues and Options for India's Future Health Systems Administrative Staff College of India, Hyderabad | Dr Sai Kumar VB Ms Samatha Reddy PR |
| 17-18 May 2001 | 10th Scientific Advisory Group of Division of Epidemiology and Communicable Diseases at ICMR New Delhi | Prasanta Mahapatra |
| 18-21 June 2001 | Regional Consultation and Technical Workshop on Health Systems Performance Assessment, WHO SEARO, New Delhi. | Prasanta Mahapatra Lipika Nanda Chalapathi Rao |
| 26 June 2001 | Presentation on "Estimation of disease burden in women and children" at Ministry of Health and Family Welfare, New Delhi. | Prasanta Mahapatra |
| 29 June 2001 | Dissemination Seminar on Maternal Mortality: Situation and Strategy, Academy of Nursing Studies, Hyderabad. | Ms Samatha Reddy PR |
| 10 August 2001 | 2nd meeting of Scientific Advisory Committee of the National Institute of Epidemiology, Chennai. | Prasanta Mahapatra |
| 7 September 2001 | Workshop on Andhra Pradesh Immunisation Coverage Evaluation Surveys- Draft Reports, Government of AP and PATH, Hyderabad | Ms Samatha Reddy PR |

IHS Faculty participation in Training programs, Workshops, Seminars and Conferences

| Dates | Event & Place | Faculty / Associate |
|------------------------|--|---|
| 01 October 2001 | Introduction to the Methods of Epidemiology | IHS Faculty and Associates (13) |
| 06 October 2001 | Workshop on Brainstorming Session on Developing Health Strategy for DPIP at Conference Hall, Society for Elimination Rural Poverty | Lipika Nanda |
| 07-21 October 2001 | Workshop on Burden of Disease and Cost Effectiveness Study , Dikhololo, South Africa, Sponsored by WHO-SEARO, New Delhi | Ms Lipika Nanda Mr Mukesh Janbandhu Mr Anjaneyulu |
| 11-12 October 2001 | Scientific Advisory Committee of the Vector Control Research Centre, Pondicherry. | Prasanta Mahapatra |
| 15-16th Nov 2001 | National Consultation Workshop on a Vision for India's Health System at Hotel Imperial, Delhi. | Prasanta Mahapatra |
| 19 Nov to 01 Dec, 2001 | National Burden of Disease Studies | Dr Sai Kumar and Dr. Satish Kumar |

Annex-3: List of outgoing personnel.

| Name | Designation | Join date | Leave date | Remarks |
|--|-------------------|------------|------------|---|
| Faculty: | | | | |
| Abdul Thaha | Faculty | 08/01/2001 | 31/01/2001 | Termination |
| Chalapati Rao PV | Sr.Faculty | 17/08/1998 | 16/07/2001 | Resignation. Assignment with WHO-Geneva |
| Deepak Kumar | Software Engineer | 07/09/1998 | 11/12/2001 | Resignation. Assignment with Access Health Tech |
| Padmavathi TVN | Faculty | 16/11/2000 | 11/12/2000 | Resignation |
| Raghunandan K | Faculty | 01/08/2000 | 09/11/2001 | Resignation |
| Rajshree KT | Faculty | 02/08/1999 | 17/04/2001 | Resignation |
| Sreenivasa S | Faculty | 15/11/2000 | 10/08/2001 | Resignation. Higher studies in USA |
| Sridhar P | Faculty | 16/08/1998 | 10/09/2001 | Resignation. Assignment with Gland Pharma. |
| Subhashree Srinivasan | Faculty | 15/06/2000 | 01/03/2001 | Resignation |
| Research Associates: | | | | |
| Usharani P | Res. Assoc. | 24/08/2000 | 26/02/2001 | Resignation |
| Laxminarayana | Res. Assoc. | 29/11/2000 | 26/12/2000 | Termination |
| Jayalakshmi J | Pgm Assoc. | 09/11/2000 | 07/04/2001 | Termination |
| Research Assistants | | | | |
| Subramanyan D | Res. Asst. | 03/01/2001 | 05/09/2001 | Resignation |
| Ishtiaq Hussain | Res. Asst. | 01/02/1999 | 08/08/2001 | Resignation |
| Venkateswar Rao | Res. Asst. | 03/02/2000 | 31/05/2001 | Termination |
| Md Nazeem | Res. Asst. | 23/09/1996 | 31/12/2000 | Termination |
| Malini M | Res. Asst. | 18/05/2000 | 25/07/2001 | Termination |
| Sunil Bhandari | Res. Asst. | 11/02/2000 | 22/02/2001 | Termination |
| KM Ranganathan | Res. Asst. | 01/11/1999 | 03/03/2001 | Resignation |
| Investigators | | | | |
| Usha Rani K | Investigator | 29/12/2000 | 19/05/2001 | Termination |
| Bala Sangeetha M | Investigator | 29/12/2000 | 30/08/2001 | Termination |
| Mallikarjun Reddy | Investigator | 23/05/2000 | 01/06/2001 | Resignation |
| Project Interns: | | | | |
| Venugopal Reddy | Project Intern | 27/12/2000 | 17/04/2001 | Internship Complete |
| Sudhakar Rao G | Project Intern | 01/01/2001 | 13/03/2001 | Internship Complete |
| Rajaiah A | Project Intern | 29/01/2001 | 29/03/2001 | Internship Complete |
| Srilatha Dudem | Project Intern | 12/12/2000 | 03/04/2001 | Internship Complete |
| Charles Wesley | Project Intern | 03/01/2001 | 07/04/2001 | Internship Complete |
| Fellows, Interns and Apprentices: | | | | |
| Nafeesa Ali | ST Fellow | 16/04/2001 | 16/06/2001 | Resignation |
| Tasneem Bawahir | ST Fellow | 17/04/2001 | 16/06/2001 | Resignation |
| Deepa DV | Soft Eng Intern | 21/11/2000 | 20/11/2001 | Internship Complete |
| Vivek K Sainath | Programmer | 08/03/2001 | 30/12/2000 | Resignation. Assignment |

| Name | Designation | Join date | Leave date | Remarks |
|---|--------------------------|------------|------------|--|
| | | | | with Indian Military Academy, Dehradun |
| Phani Kiran S | Programmer | 08/03/2000 | 13/03/2001 | Internship Complete |
| Trishul V | Programmer | 16/12/1999 | 05/12/2000 | Internship Complete |
| Prasad V | Programmer | 18/12/1999 | 30/12/2000 | Internship Complete |
| Dhanaji T | Programmer | 18/12/1999 | 30/12/2000 | Internship Complete |
| Laxmisree | Programmer | 02/08/1999 | 12/01/2001 | Internship Complete |
| System Administration and Technical Support: | | | | |
| Rajitha G | Sys. Adm | 05/07/2000 | 05/08/2001 | Resignation |
| Ganesh | Asst Sys. Admn | 02/09/2000 | 21/03/2001 | Termination |
| Vaidyanathan | | | | |
| Phanitha N | Sys. Adm. | 01/11/1999 | 25/04/2001 | Internship Complete |
| Ramakrishna M | Sys. Adm Intern | 01/07/2001 | 12/01/2001 | Internship Complete |
| Ramakrishna G | Sys. Adm. | 24/07/2000 | 14/09/2001 | Internship Complete |
| Hemalatha S | Sys. Adm. | 03/07/2000 | 14/09/2001 | Internship Complete |
| Rajsehkar KN | Sys. Adm. | 28/07/2000 | 14/09/2001 | Internship Complete |
| Balasowry G | Sys Adm Intern | 06/04/2001 | 24/07/2001 | Internship Complete |
| Mahalakshmi SP | Sys Adm Intern | 16/06/2000 | 10/07/2001 | Internship Complete |
| General Support Personnel: | | | | |
| Kumara Swamy P | Driver & Attendar | 15/09/2000 | 12/01/2001 | Termination |
| Paramjeet Singh | Driver & Attendar | 08/02/2001 | 01/12/2001 | Termination |
| Apprentices: | | | | |
| Padmaja B | Sec. Asst. Apprentice | 21/12/2000 | 30/06/2001 | Internship Complete |

Director / 02 January 2007