



**INSTITUTE OF HUMAN BEHAVIOUR
AND ALLIED SCIENCES
DELHI - 110095**



**Annual Report
2012-13**



ANNUAL REPORT 2012-13

**INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
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FROM THE DIRECTOR'S DESK

The Hospital for Mental Diseases, Shahdara was converted to 'Institute of Human Behaviour and Allied Sciences (IHBAS) by a Supreme Court order in response to a public interest litigation in 1993. Since then IHBAS has come a long way in its journey of transforming custodial care setting to modern neuropsychiatric institute and today is one of the NABH accredited largest super specialties tertiary care centres in Delhi dedicated exclusively to neuropsychiatric and behavioural illnesses.

The institute is progressing steadily to achieve its objectives, which are:

- I. To provide high quality super specialty health care using state-of-art technology in mental health, neurosciences, behavioural and allied sciences
- II. To conduct research of high standard in the field of mental health, neurosciences and behavioural sciences
- III. To provide comprehensive training for MD, DM, M Phil and Ph D courses in field of mental health, neurosciences and behavioural sciences and research activities on current interest

Strengthening of different departments of the institute with a view to improve the quality of services has been our constant endeavour and this was further emphasized and strengthened with introduction of National Accreditation Board for Hospital and Healthcare providers (NABH) in IHBAS. The NABH process for quality assurance and the guidelines further helped the faculty and staff to improve their understanding to match the quality standards for patient care.

This year it is a privilege for us as an institute to share that IHBAS as an institute has received the prestigious India Health Care Award 2012 as the best single specialty hospital in mental health. This is a significant milestone achieved by the institutes a part of the larger picture of expansion and quality assurance of health services in Delhi. Starting from a Hospital for Mental Diseases, IHBAS today is a NABH accredited specialty hospital in the combined fields of mental health and neurosciences with active outpatient services, emergency care and ICU services with a fairly complex mosaic of services on the identified theme of "Brain-Mind Problems and Their Solutions". Other than this many faculty members were awarded with several prestigious awards.

IHBAS as an apex neuropsychiatric institute has been continuously working to expand the patient care services beyond the hospital based care to community. This has been achieved through the community outreach services in various parts of Delhi, the awareness campaigns, active liaison with the NGOs, user and carer groups, RWAs and sensitization programme to facilitate involvement of the various stakeholders. In addition community oriented programmes, programmes for school children such as poster competition, workshops, symposia were organised to increase the awareness about positive mental health for prevention of neuropsychiatric illnesses and the facilities available at the institute.

IHBAS as an institute was fortunate enough to be provided a thorough appraisal by National and International organizations and agencies that visited the institute during 2012-13.

It is worth appreciating that the faculty of IHBAS besides contributing towards the patient care, teaching and administrative duties, is also actively involved in the research both in the basic and applied fields. The research programmes run at IHBAS have been funded by reputed National as well as International funding agencies. Various clinical trials are also going on in the Institute which would contribute towards effective management of the diseases.

Various academic activities were undertaken in the institute during the current year. The teaching and training for MD (Psychiatry), DM (Neurology), M.Phil. (Clinical Psychology) and the undergraduate and post graduate student teaching in Clinical Psychology, Psychiatric Social work and Psychiatric nursing continued. Apart from this many academic courses are in the pipeline.

This report gives a description of the achievements made by the institute in different fields during the year 2012-13.

Dr Nimesh G Desai
Director

Activities at IHBAS

- **Brain awareness week**
- **Mental health awareness Week**
- **World no tobacco Day Programme**
- **Epilepsy Week**
- **Stroke Awareness week**
- **Dementia Day**

Academic Programme at IHBAS

- **DM(Neurology)**
- **MD(Psychiatry)**
- **M.Phil(Clinical Psychology)**

VISION

The vision of Institute of Human Behaviour and Allied Sciences is to be one of the leaders in the country and in the world for promoting mental health, neurosciences, behavioural and allied sciences through multidisciplinary patient care in partnership with communities, developing future group of professionals and paraprofessional leaders through formal and semiformal training programmes and expanding scientific knowledge and its application through frontline research.

MISSION

The mission of Institute of Human Behaviour and Allied Sciences is to advance the mental and neurological health of populations by practicing evidence based multidisciplinary scientific health care approaches that are novel, adaptive, and ethical, conduct research of high standard and develop human resource in these fields. The institute adheres to quality assurance, integrating into practice the prevailing norms for human rights and diverse value systems of persons and populations while accomplishing this mission.

QUALITY POLICY STATEMENT

IHBAS is committed to provide Health Care par excellence.

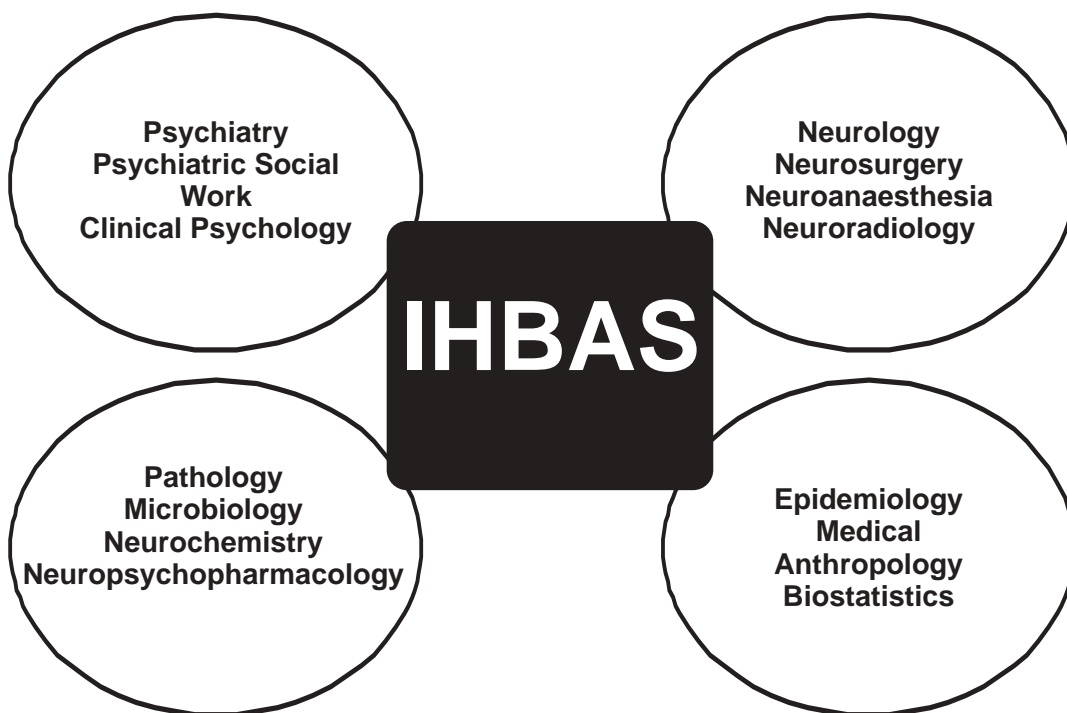
This would be achieved through:

- Complying with National and International Quality standard
- Working within the framework of Regulatory requirement
- Up gradation of Technology and Facilities on regular basis
- Training the manpower in the relevant discipline
- Continuous Quality improvement, and
- In the process, striving to enhance both staff and user satisfaction level

AIMS AND OBJECTIVES

- To provide high quality super specialty health care using state-of-art technology in mental health, Neurosciences, Behavioural and Allied sciences.
- To conduct research of high standard in the field of mental health, Neurosciences and Behavioural sciences.
- To provide comprehensive training for MD, DM, M. Phil. & Ph.D courses in field of mental health, Neurosciences and Behavioural sciences and research activities on current interest.

These activities are carried out through a multidisciplinary approach by the faculty and staff of the following departments:



A PROUD MOMENT FOR IHBAS

- **Award of the Year:** India Health Care Award 2012 for IHBAS Hospital: as the best single specialty hospital in mental health
- CNBC-TV 18 and ICICI Lombard, conferred the award after detailed and rigorous methodology by IMRB through 3 phases involving, patients, doctors and eminent jury



- IHBAS selected from a final list of many national and state level mental health institutions, including NIMHANS, Bangalore

This is a major achievement for IHBAS as a part of the larger picture of expansion and quality assurance of Health Services in Delhi by the Government of NCT of Delhi.

NEW INITIATIVE FOR BETTER PATIENT CARE

Blood Storage Unit (BSU) came into existence on 9th October, 2012. It operates from 9.00am- 4.00pm on all working days. BSU has been licensed and approved by Assistant Drugs Controller for storage of *whole human blood and packed red blood cells* (PRBCs) under OIC-Dr. Anshu Gupta with supervision of HOD, Pathology. Dr.

Ishita Pant is OIC-II, BSU. Regional Blood Transfusion Centre, G.T.B. Hospital is mother blood bank from which blood bags are procured as per requirement.

BSU provides high quality services with the objective of providing safe whole blood to all needy patients and maintaining quality at each step from blood procurement to blood issue while adhering to standards laid down in drug and cosmetics rules.



Scope of Services

- Procurement of safe whole blood from mother blood bank
- Storage of whole blood only at desirable and optimum temperature in the blood storage unit
- Tests like Blood Grouping and Cross matching
- Issue of safe whole Blood to all needy patients as and when required
- Evaluation of post transfusion reaction
- Encouragement for Blood Donation

Blood bags from BSU are issued against replacement donation or voluntary donation. Appropriate donor is counselled in BSU and then sent to GTB Hospital for donation. Upto 22 units have been successfully issued w.e.f. 09-10-12 to till date. The BSU has most advanced Gel Card Technique and trained manpower to reduce the turnaround time for blood grouping and cross matching and thereby, offers quality and reliable results.

Teaching and training of technical staff and senior residents is also conducted through group discussions and power point presentations.

Institute at a Glance

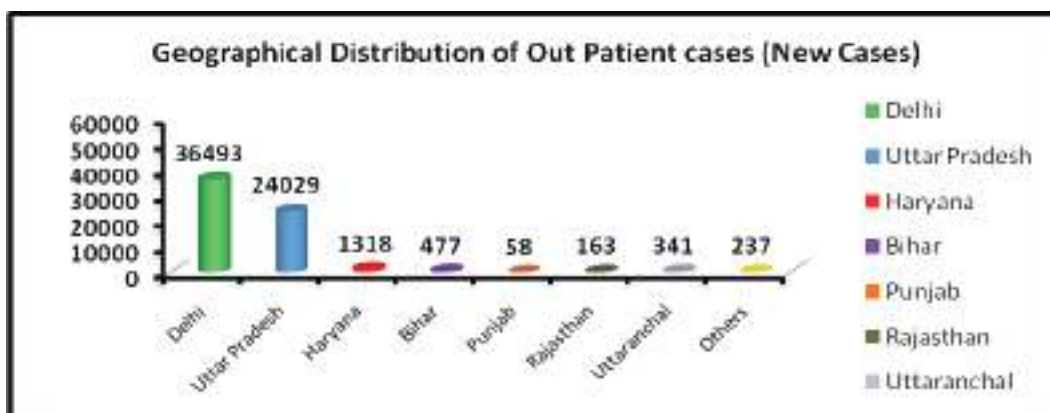
Institute at a glance

Institute of Human Behaviour and Allied Sciences is one of the largest super specialties tertiary care centres in Delhi for dealing with psychiatric and neurological illnesses, to intervene in neurosurgical problems with equal emphasis on teaching, training and research. Institute provides holistic care to patients through multidisciplinary approach where patients are attended on by a team of experts. It involves not only patient care but also includes rehabilitation, educating caregivers and the community. The following is an account of patient care services provided by IHBAS during this year.

HOSPITAL SERVICES

Out Patient Services

The institute is one of the largest tertiary care centres for neuropsychiatric diseases in North India. In the calendar year 2012, 403259 patients availed the outpatient services comprising of 63116 new and 340143 follow - up cases. There was a 9% increase in the total number of patients attending OPD as compared to the patients who availed the services last year. Around 58% of the new cases were from Delhi and the rest from the neighbouring states (see figure below). On an average, 1353 patients attended the OPD per day, of which 1141 patients were old and 212 were new cases.



There are eleven registration counters in the OPD block to reduce the waiting time including counters for senior citizens and disabled patients, jail and court cases, female patients and the patients from the staff.

Specialty Services

Apart from routine OPDs in the morning hours, special clinics are conducted in the afternoon for patients who require special attention and comprehensive approach for different disorders.

- **Child and Adolescent Psychiatric Clinic:** This clinic is held every Monday to provide services to the psychiatric and behavioural problems in children up to 16 years of age as well as counselling for school-related problems. During the year, 8363 children and adolescents attended the Child and Adolescent Psychiatric Clinic (CAPC). As and when required, parents are also involved in the treatment of their wards. Child counselling services are a regular feature of this clinic.
- **Mental Retardation Clinic:** This multidisciplinary clinic was started in December, 1999 and is held on every Wednesday afternoon. Information regarding medical, family and social needs of the mentally retarded children is imparted to their parents by organizing special parent training programmes. The clinic also meets the need of such children for certification, required for special schooling and disability benefits. In the current year, total of 11367 patients availed the services through this clinic.
- **Marital and Psychosexual Clinic:** This clinic is held every Friday afternoon to offer services to the patients suffering from psychosexual and marital problems. Patients are jointly managed by psychiatrists and clinical psychologists. A number of patients attending the services have sexual misconception or myths; they respond well to sex education and counselling. Other common disorders include impotence and premature ejaculation. Various treatment modalities are used such as medication, counselling and behaviour therapy.

In the current year, total of 1217 patients availed the services through this clinic.

- **Tobacco Cessation Clinic:** This clinic is part of a national tobacco cessation initiative by the Ministry of Health and Family Welfare, Government of India, and the World Health Organization. The Institute was recognized as the national coordinating and resource centre for the project. This clinic is held on Monday, Wednesday and Friday afternoon. On an average, 7-8 patients are evaluated by a multidisciplinary team. The patients are offered both, pharmacological and non-pharmacological support, with emphasis on counselling and behavioural management. This year 643 patients utilized the services of the clinic.
- **Neurobehaviour Clinic:** This clinic is held every Friday afternoon. This clinic deals with patients, especially the elderly, who have cognitive and behavioural abnormalities. Such patients are evaluated by a team of neurologists, psychiatrists, clinical psychologists and psychiatric social workers. Besides giving medical treatment to the patients, special attention is given to the care givers to improve their understanding of the nature of the disease. They are guided to take better care of the patients and themselves. The ultimate goal of the support group meeting and the multidisciplinary team is to impart awareness and coping skills to patients with dementia and their families. During the current year 842 patients attended this clinic.
- **Drug Abuse Treatment Clinic:** This clinic is held every Wednesday and Friday afternoon. It provides service to the patients with problems of drug abuse and alcoholism. This clinic is attended by the patients abusing smack (heroin), alcohol, cannabis (bhang, ganja, etc.). The majority of patients come on their own or are brought by their family members. Such patients are evaluated and treated by a multidisciplinary team composed of psychiatrists, clinical psychologists and psychiatric social workers. 7747 patients attended this clinic during the year. The patients are admitted

for four to six weeks for comprehensive indoor treatment depending of the clinical and psychosocial needs.

- **Movement Disorder Clinic:** This clinic is held every Wednesday afternoon. Services are provided to patients suffering from movement disorders like Parkinson's disease, dystonia, progressive supranuclear palsy, tremors etc. Advance treatment like botulinum toxin injections are given to the patients with focal dystonia. 805 patients attended the clinic during this year.
- **Epilepsy Clinic:** This clinic is held every Tuesday afternoon. It is conducted for chronic epileptic patients, children and women with epilepsy. Special attention is given to these groups of patients in order to manage their epilepsy and psychosocial problems, and to improve their awareness. Epilepsy support groups are formed in which these patients interact with each other about their psycho social problems, and they are guided by the clinical psychologists and psychiatric social workers. 2509 patients attended the clinic during the current year. The endeavour, essentially, is to remove the stigma and reduce the treatment gap in epilepsy.

In - patient Services

The total numbers of sanctioned beds in IHBAS are 500. The current number of functional beds is 346. The distribution of beds in various departments is as follows:

- Department of Psychiatry 270 beds
- Department of Neurology 54 beds
- Department of Neurosurgery 22 beds

In the year under report, the total number of patients admitted was 3395. Of these, 870 patients were admitted from OPD and 2525 through emergency.

Emergency Services

The Institute offers 24-hour emergency services in both Psychiatry and Neurology. Senior residents from Psychiatry and Neurology are on call round-the-clock. 20338 patients availed the emergency services during the year under report. In addition to the clinical emergency services, emergency laboratory is providing its services since its inauguration on 7th May 2010. Various haematological and biochemical tests are being performed in the emergency laboratory.



Diagnostic Services

The Institute has well equipped laboratories providing specialized facilities including intra-operative reporting of CNS tumours, histopathology reporting of CNS tumours, muscle and nerve biopsies, Real time Polymerase Chain Reaction (RT-PCR) for estimation of HIV viral load and Mycobacterium tuberculosis genome in cerebrospinal fluid, therapeutic drug monitoring, biochemical investigations for inborn errors of metabolism and electrophysiological tests in addition to routine diagnostic investigations.



Radiology services in the form of 3.0 Tesla MRI, CT Scan, Colour Doppler, Digital Subtraction Angiography, Ultrasound and X-Ray. As of now, IHBAS is the only government Institute in Delhi to have a 3.0 Tesla MRI.



Community Outreach Services

In an effort to enhance community awareness of psychiatric and behavioural disorders, community outreach programmes have

been under taken to deliver the neuropsychiatric services to the doorstep of patients. The community outreach services helps to create awareness in the public regarding neuropsychiatric disorders and remove the stigma and myths associated with mental illness.

Community outreach services were held regularly in the year of assessment (2012-13) at Jahangir Puri and Chattarpur, and mobile health clinic for homeless near Jama Masjid. There was an overwhelming response with 4007 patients attending the Jama Masjid clinic. At Jahangir Puri, 9607 patients attended, while 5945 patients attended the outreach clinic at Chattarpur village. From these outreach clinics, further outreach has been initiated at Missionaries of Charity at Majnu ka Tila, Bhatti mines and Sudinalaya which is an NGO - run centre at Ashram. A large number of psychiatric disorders are managed at these community services. The common problems reported by the patients attending these services include depression, anxiety depression, obsessive compulsive disorders, other anxiety disorders, dissociative disorders, schizophrenia, bipolar illness, post-partum psychosis, dementia and substance abuse. Mental retardation and children with anxiety, depression, hyperactivity disorders, enuresis, learning disability and other developmental disorders are also reported in these community clinics, treatment is provided with counselling services.

Outreach services for homeless mentally ill persons: These services were started in September 2000, in the walled city area of Delhi. Catering to the physical and mental health needs of this group is fundamental to the efforts of betterment of the quality of life of these homeless people.

A mobile health clinic was started in September, 2000 by the HIGH partners, run at Urdu Park, Jama Masjid twice a week on Monday and Thursday by a team of psychiatrists; physicians; postgraduate psychiatry students as part of their community psychiatry training; members of NGO's like AAA, Youth Reach, Sahara and volunteers of the homeless community. Later, HIGH started a once-a-week counselling and experience- sharing

meeting for enhancing and maintaining the motivation for abstinence as part of the treatment of the patients suffering from disorders of substance use. IHBAS provides most of the medicines to the patients attending the clinic, free of cost. Currently community outreach services are extended to five districts across Delhi State.

Outreach Community Services	
Chhatarpur Clinic (South)	Monday/Thursday morning
Jahangir Puri Clinic (North- West)	Wednesday/Friday morning
Dwarka Clinic (South-West)	Wednesday/Friday morning
Timarpur Clinic (North)	Monday/Thursday morning
Motinagar Clinic (West)	Wednesday/Saturday morning
Mobile Health Clinic for homeless near Jama Masjid	Monday/Thursday evening

Nursing

The nursing staff provides one of the most important supportive cares in the management of neuropsychiatric patients along with rehabilitative care and psychological support to the psychiatric patients, since neuropsychiatric nursing care is different from the general nursing care. The nurses are trained and taught to deliver special nursing care to the neuropsychiatric patients in this institute.

Nurses from various reputed institutions are beneficiary of these teaching and training programs. These trainees are also involved in various community based programmes such as skits to educate the community about epilepsy, drug abuse etc.

In addition patient staff group meetings are organized regularly with main objective of increasing the interaction between the patients and staff for better understanding of patient's problems. The nursing staff is also involved in various other patient welfare activities such as conducting regular sessions of prayers and exercises for the patients, celebrating festivals with patients, eating out programmes as well as joining the long stay patients for picnics to make them feel at home.

Day Care Centre and Occupational Therapy

The Occupational Therapy and Day Care Centre (OT and DCC) provides services to a wide variety of clientele from OPD as well as the wards referred from various departments like Psychiatry, Neurology and Neurosurgery. The primary aim includes restoration of maximal functional independence and community reintegration.



Screening, assessment, OT treatment planning and implementation, reassessment, follow-up and discharge planning are providing both neurorehabilitation and psychosocial rehabilitation. Specialized services includes: early intervention, remedial therapy, adaptive and assistive technology, ADL training, cognitive rehabilitation, social skill training work simplification and energy conservation, active scheduling and habit training etc.

The Day Care Centre consists of a multidisciplinary team comprising of psychiatrist, neurologist, clinical psychologist, occupational therapist etc. Skill building is the mainstay of the therapy program at Day Care Centre. It is achieved through structured group activities, prevocational and vocational skill building activities like candle making, envelope making, stitching and tailoring, card making, arts and crafts etc.

The department is actively involved in the teaching and training of M.Phil Clinical psychology students of IHBAS as well as students and interns from various reputed institutions.

Physiotherapy Services

The department of Physiotherapy is situated in the occupational therapy block at IHBAS. Physiotherapy services in the institute were started in August 1995.



The department is manned by one chief physiotherapist, one regular physiotherapist and seven junior physiotherapists working on contract basis. There are various equipments installed in the department viz., Moist heat therapy, Paraffin wax bath, Ultrasound therapy, Traction unit, Short wave diathermy, Interferential therapy with muscle stimulator and TENS unit, Rowing machine, Shoulder wheel, Walking bar, Grip exerciser, T bracket set, Quadriceps table, Rotatory wrist machine, Static cycle, Shoulder abduction ladder. There is in-house availability of fully furnished Gymnasium with 18 different types of equipments. Few new types of equipment as per need of the patients were added to the physiotherapy unit.

Physiotherapy services are provided to the inpatients of Psychiatry, Neurology and Neurosurgery as well as all the outdoor patients referred by the clinicians of these departments. Patients with acute neurological deficit are helped by active and passive rehabilitative programmes. Pain relieving modalities are actively used.

Students from various physiotherapy colleges are posted for clinical training and internship. The Physiotherapists are actively involved in the teaching and training of these students.

Pharmacy and Medical Store

There are separate setups for medical store and pharmacy, catering to the ever increasing number of patients since the inception of the institute. The drug list is upgraded regularly depending upon the demands placed by clinical departments. A list of the drugs available at the pharmacy counter is displayed for the public.



Medical store and Pharmacy are manned by trained pharmacists. Training is imparted to the pharmacy students on a regular basis.

Dispensing is done as per the standard dispensing guidelines. Currently there are five drug dispensing counters at OPD Pharmacy keeping in view the increasing crowd of the outdoor patients out of which one counter is exclusively dedicated to senior citizens.

Proper labelling of dispensed drugs helps improving the patient's knowledge and compliance with therapy. The pharmacy provides information on dosage frequency, duration and precautions while dispensing the drugs. Patient information leaflets about drugs prescribed are also distributed to the patients regularly.

Kitchen

The Kitchen Department, IHBAS plays a very important & supportive role in providing patient care services. Kitchen Department catered to an average 315 inpatients per day in the year 2012-13. Diets are provided to the indoor patients as per the approved diet scale. Besides individual assessment is being done for dietary requirements of the patients, admitted in the hospital. Complete nutritive requirements of the indoor patients are fulfilled through main meals—3 times (Breakfast, Lunch, Dinner) & snacks—3 times (Bed Tea, Mid-Morning Soup, Evening Tea) daily, providing adequate calories and proteins and other essential nutrients. Apart from the standard diets, Kitchen also provided a number of therapeutic/special diets on an average daily, like high protein, low protein, liquid diets, soft diets, high carbohydrates diets, diabetic diets, salt restricted diets & low fat die.

Kitchen Department maintains the quality of prepared food as well as of the dietary ingredients like milk, bread, eggs, paneer, cereal & pulses etc. by keeping a check on all kitchen activities.

In addition to the above, Kitchen Department organized special Dishes/Menus for all the indoor patients on various festivals, eating out programme on 4th Sunday of every month and picnics for the inpatients through the year 2012-13.

Reports of Departments

Departments of IHBAS

- **Psychiatry**
- **Neurology**
- **Neurosurgery**
- **Neuroanaesthesia**
- **Clinical Psychology**
- **Psychiatric Social Work**
- **Pathology**
- **Microbiology**
- **Neurochemistry**
- **Neuropsychopharmacology**
- **Neuroradiology**
- **Medical Anthropology**
- **Epidemiology**
- **Biostatistics**

Patient Care Services

- **OPD**
- **In Patient**
- **Emergency**
- **ICUs**
- **Diagnostic**
- **Community outreach services**

Special Clinics

- **Child and Adolescent Psychiatry clinic**
- **Mental retardation clinic**
- **Marital and psychosexual Clinic**
- **Epilepsy Clinic**
- **Movement Disorder**
- **Neuro-behaviour Clinic**
- **DATRC and TCC**
- **Neuro-behaviour Clinic**

DEPARTMENT OF PSYCHIATRY

The Department of Psychiatry have expanded the scope of various mental health care activities. The department of psychiatry provides both inpatient and outpatient care through general psychiatry OPD & specialty clinics. There have been significant increase in OPD Attendance. On an average around 800 patients attend the general OPD per day including 90-100 new patients every day. Waiting time for patients in OPD has been reduced significantly and is currently satisfactory. Immediate attention to Violent, Aggressive, and severely Disturbed Patient is being provided in OPD. Apart from routine OPDs in the morning hours, the specialty clinics in the department are provided for the patients who require comprehensive approach and special attention and are held for different psychiatric disorders at IHBAS, in the afternoon hours.

The department continues to provide quality care to the patients. A multidisciplinary team of specialists consisting of psychiatrists, clinical psychologists, psychiatric social workers and other paramedical staff provide comprehensive mental health care. Modern scientific evidence based therapeutic regimens are used to treat the patients. Admission in psychiatry wards is done voluntarily, on request of relatives or through court orders as per the provisions of the Mental Health Act, 1987. In addition a Short Observation facility is available to deal with psychiatric emergencies round the clock for all days of the year. Also it has a psychiatric ICU in place. Institute has developed consultation-liaison services linkage with the University College of Medical Sciences and Guru Teg Bahadur Hospital for consultation from specialists.

During this year four new faculty members (Assistant Professors) have joined the Department making the total faculty strength of eleven. The faculty have been actively involved in the clinical services, training and research activities. The highlights of

their research publications and scientific contributions are mentioned below:

Publications

Dr. N G Desai

- Sinha P, Garg A, Prakash O, Desai NG. Drug-induced psychosis associated with albendazole-ivermectin combination therapy. Gen Hosp Psychiatry 2012 Sep-Oct; 34(5):578.e9-578.e10

Dr. Deepak Kumar

- Singh V, Kishore N, Kumar D, Sengupta S. Glucose-6 phosphate dehydrogenase deficiency and psychotic illness. Indian J Psychol Med 2012; 34(3):270-272.
- Kishore N, Singh V, Kumar D, Sengupta S. Clinical presentation of brain tumour as depression: A case report and brief review. Journal of Mental Health and Human Behaviour;2012:vol 17 (2) :134-138.
- Kumar D. Principles, guidelines and future of consultation-liaison psychiatry. Journal of Mental Health and Human Behaviour ;2012:vol 17 (supplement):S18-S24.

Dr. Om Prakash

Articles in Journals

- Prakash O, Kukreti P. State of Geriatric mental health in India. Curr Transl Geriatr Exp Gerontol Rep. 2013 Mar; 2 (1):1-6.
- Salam KP, Sharma MP, Prakash O. Development of cognitive-behavioral therapy intervention for patients with Dhat syndrome. Indian J Psychiatry. 2012 Oct;54(4):367-74.
- Prakash O, Garg A, Sinha P. Low-dose Quetiapine for the treatment of delusional disorder in a patient with Von Hippel Lindau Disease. J Neuropsychiatr Clin Neurosci 2012(in press).

- Sureshkumar R, Bharath S, Jain S, Prakash O, Purushottam M, Thennarasu K, Mukherjee O, Sivakumar PT, Varghese M. ApoE4 and late onset depression in Indian population. J Affect Disord. 2012;136(3):244-8.
- Prakash O, Avasthi A, Benegal V. Should pathological gambling be considered an addictive disorder? Asian J Psychiatr. 2012 Sep;5(3):211-4.
- Prakash O, Bagepally BS. Catatonia and mania in patient with AIDS: treatment with lorazepam and risperidone. Gen Hosp Psychiatry. 2012 May-Jun;34(3):321.e5-6.
- Sinha P, Garg A, Prakash O, Desai NG. Drug-induced psychosis associated with albendazole-ivermectin combination therapy. Gen Hosp Psychiatry. 2012 Sep-Oct;34(5):578.e9-578.e10.
- Agarwal S, Prakash O. Psychiatric and physical morbidity in an urban geriatric population - Some issues. Indian J Psychiatry 2012; 54:91.

Dr. Rajesh Kumar

Original Articles/Review Article:

- Rajesh Kumar, H.P. Jhingan, C.B. Tripathi. Study of psychiatric morbidity among the first degree relatives of opioid dependent patients (accepted for publication in Indian Journal of Preventive & Social Medicine, indexed journal dated 22nd August, 2012).
- Vijay Nath Mishra, RN Chaurasia, Rajesh Kumar. Tomboy headache: New Entity and Experience from Tertiary Care Centre. International Journal of General, Medicine and Pharmacy (IJGMP). Vol.2, Issue 3, July 2013,39-42.

Case Reports

- Sujit Kumar Kar, Rajesh Kumar, Habit Reversal Therapy- An effective treatment modality in adolescent trichotillomania: A case report (accepted for publication in the Journal of Indian Association of Child and Adolescent Mental Health (JIACAMH) (Dated 13-12-2012)
- Sujit Kumar Kar, Rajesh Kumar, Sonakshi Jyrwa "Unmet expectations from pregnancy attributing to post-partum depression: an impact of gender discrimination" published in Indian Journal of Applied Research Vol.. 3 Issue.. 5 May 2013.
- Sujit Kumar Kar, Abhilove Kamboj, Rajesh Kumar " Pica and Psychosis: Clinical Attributes and Correlations – a Case Report" submitted to African Journal of Psychiatry (accepted for publication).

Dr. Vijender Singh

- Desai NG, Singh V, Singh P, Gupta SK. Approach to Diagnosis and Assessment of a case of Depression, in Demystifying Depression: Complete Spectrum. Ist Edition, Eds. Desai and Parker, Elsevier, 2012; 29-40 pp.
- Singh V, Kishore N, Kumar D, Sengupta S. Glucose-6 Phosphate Dehydrogenase (G6PD) Deficiency and Psychotic Illness: A Case Report. Indian J of Psychol Med 2012; 34: 270-72.
- Kishore N, Singh V, Lal R, Sagar R. Recurrent Depressive Disorder With Or Without spontaneous hypomania: Are they really different"? Journal of Mental Health and Human Behaviour 2012; 17(2):108-115.

- Kishore N, Singh V, Kumar D, Sengupta S. Clinical presentation of brain tumor as Depression: A case report and brief review. *Journal of Mental Health and Human Behaviour* 2012; 17(2):134-38.

Books/Book Chapters/Monographs

Dr. NG Desai

- N.G. Desai, Rajesh Kumar, Sumit Kumar Gupta, Paramjeet Singh. Recommendation and management algorithms for Management of Depression: Demystifying Depression: Complete Spectrum. Elsevier Clinical Advisory Board, 2012, Editor-in-Chief. Nimesh G. Desai.
- Desai NG, Kumar D, Khanna A, Garg A. Subsyndromal depression in medical illness, in depression medically ill patients. 1st Edition: Eds. Desai NG and Srinivasan Elsevier 2012.

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- Desai NG, Kumar D, Khanna A, Garg A. Subsyndromal depression in medical illness, in depression medically ill patients. 1st Edition: Eds. Desai NG and Srinivasan Elsevier 2012.

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- Ajit Avasthi, Sandeep Grover, Om Prakash Jhirwal. Dhat Syndrome: A Culture-Bound Sex Related Disorder in Indian Subcontinent. In: Somesh Gupta, Bhushan Kumar, eds. *Sexually Transmitted Infections* 2nd ed. New Delhi, India: Elsevier, 2012: pages 1225-1230.

Dr. Rajesh Kumar

- N.G. Desai, Rajesh Kumar, Sumit Kumar Gupta, Paramjeet Singh. Recommendation and management algorithms for Management of Depression: Demystifying Depression: Complete Spectrum. Elsevier Clinical Advisory Board, 2012, Editor-in-Chief. Nimesh G. Desai.

Presentations in International/National Conferences (Abstracts published)

Dr. Om Prakash

- Achalia RM, Chaturvedi SK, Desai G, Prakash O. Prevalence and factors associated with tardive dyskinesia among Indian patients with schizophrenia. *Abstracts of the 3rd Biennial Schizophrenia International Research Conference. Schizophrenia Research 2012; 136 (Suppl.1):S91.*
- Prakash O. Future roadmap to dementia care in India. Proceedings of 34th Annual National Conference of the Indian Psychiatric Society-Central Zone, Agra; 2012: 10.
- Prakash O, Sharma MP, Abdul Salam KP. Management of Dhat syndrome. Proceedings of 64th Annual National Conference of the Indian Psychiatric Society, Kochi; 2012: 117.
- Swaminathan G, Jhirwal OP, Benegal V. Behavioral addictions (gambling, sexual, internet): Nosology, rationale; types; etiology, course and outcome; and treatment. Proceedings of 64th Annual National Conference of the Indian Psychiatric Society, Kochi; 2012: 190.
- Vaishnav M, Rao TSS, Prakash O. Management of sexual myths and misconceptions. Proceedings of 64th Annual National Conference of the Indian Psychiatric Society, Kochi; 2012: 194.

Letters

- Om Prakash. Re: Senator questions \$2m NIH grant to disgraced psychiatric researcher. In response: Senator questions \$2m NIH grant to disgraced psychiatric researcher. Bob Roehr *BMJ* 2012;344:e3880 (5 June, 2012).

Dr. Vijender Singh

- Gupta SK, Khanna A, Singh V, Desai NG. Medical Co-morbidity in patients admitted in male rehabilitation ward of a tertiary care neuro-psychiatric hospital: A chart review. Abstracted in Indian J Psychiatry 2013; 55: Suppl. S97.
- Gupta SK, Khanna A, Singh V, Desai NG. Medical Co-morbidity in patients admitted in male rehabilitation ward of a tertiary care neuro-psychiatric hospital: A chart review, presented at the 65th Annual National Conference of Indian Psychiatric Society held at Bengaluru on 10th -13th January, 2013.

Participation in International /National Conferences

Dr. N G Desai

- Mid Term CME-2012 of the Indian Psychiatric Society (IPA) North Zone on 15.4.2012 at Ludhiana.
- CME-2012 of the Indian Association for Private Psychiatrists held on May 19-20, 2012 at Jodhpur.
- Speaker and Chairperson of one of the sessions in the World Association for Social Psychiatry (WASP) meeting at Antigua, Guatemala during May 23-25, 2012
- Conducted MD(Psychiatry) Exam at SMS Medical College, Jaipur on 13.6.2012
- Conducted MD(Psychiatry) Exam at Suman Deep Vidhyapeeth, Vadodara on 26.6.2012.
- Attended meeting to discuss strengthening of the Centres of Excellence and the manpower requirement for mental health care in the country held on 2.7.2012 at NIMHANS, Bangalore.

- Attended a round table discussion organized by Banyan Academy of Leadership in Mental Health (BANYAN) in Chennai for the homeless persons with mental health for National Mental Health Policy formulation for their long term care during July 20-21, 2012.
- Speaker and Chairperson in one of the sessions of Annual National Conference of Indian Association of Social Psychiatry at Chandigarh on 24.11.2012
- Chair a session of the "Workshop on Substance Abuse among Children" organized by National Commission for Protection of Child Rights (NCPCR) held on December 17-18, 2012.
- Attended National Conference of Indian Psychiatry Society (ANCIPS-2013) at NIMHANS, Bangalore from January 10-13, 2013
- Attended Scientific Advisory Committee (SAC) meeting of the National Institute for Research in Environmental Health, Bhopal of ICMR at Bhopal on January 23, 2013
- Attended Governing Body Meeting of Institute of Mental Health and Hospital, Agra on 30.1.2012
- Field visit to Banasthali University near Jaipur, Rajasthan for professional help from IHBAS team on February 16-17, 2013

Dr. Deepak Kumar

- Participated in 65th Annual National Conference Of Indian Psychiatric Society held at Bengaluru on 10th January 2013 to 13nd January 2013.

Awareness Generation Activities (IEC Activities)

- Organized and participated in Mental Health Awareness Week (MHAW) 2012 from 9th Oct 2012 to 16th October 2012

Organisation of Conference/Meeting/Workshop

- Organized Public Seminars & Round Table Discussions on 9th October, 2012 at IIC as a part of Mental Health Awareness Week (MHAW) 2012

Dr. Rajesh Kumar

- Attended one day orientation programme on New Refresher Module of NACO for Master Trainers on 18th January, 2012 at International Guest House, North Campus, University of Delhi organized by Saksham – The Global Fund for AIDS, Tuberculosis and Malaria.
- Attended National Workshop on Cognitive Behaviour Therapy: Clinical Practice & Applications in India organized by Society for Health and Psychology Enabled Services, New Delhi on 29th January, 2012.
- Attended Training Programme for Master Trainer by YRG-CARE from 14th – 17th February, 2012 at Chennai organized by Jamia Milia Islamia, New Delhi funded by Tata Institute of Social Sciences, Mumbai.
- Participated in a workshop entitled “Promoting Multi-stakeholder efforts towards shaping evidence informed alcohol policy in India and Sweden” organized by The Public Health Foundation of India (PHFI), Health Related Information Dissemination among Youth (HRIDAY) and the Swedish National Institute of Public Health (SNIPH) on 21st February, 2012.

- Delivered a talk on the "Role of ECT in Geriatric Depression" in the National Mid Term CME on "Late Life Depression" organized under the auspices of Indian Association of Geriatric Mental Health by the Department of Psychiatry, Banaras Hindu University (BHU) on 3rd June, 2012.
- Delivered a talk on the topic of "Prisoners with High Risk Behavior" at Haryana Institute of Public Administration, Gurgaon on 27th July, 2012.
- Delivered a talk on the topic of "Mental Health of Prisoners – Counseling and Psychotherapy" at Haryana Institute of Public Administration, Gurgaon on 27th July, 2012.
- Delivered a talk on the topic of "Where should Government Invest: Abstinence, Harm Minimization or Primary Prevention" at Chandigarh in the National Conference of Indian Association of Social Psychiatry on 24th November 2012.
- Delivered a talk on the topic of "Suicide in Epilepsy" in National Epilepsy Symposium 2012 on 25th Nov 2012 at Institute of Medical Sciences, Banaras Hindu University, Varansi.
- Delivered a lecture on "Depression in Primary Care" for General Physicians during the inaugural programme of "Brain Awareness Week, 2013" on 12th March 2013 at Delhi Medical Association (DMA) at Headquarters, Delhi.
- Participated in a symposium on the topic of "Mental Health Act" as an Expert organized by OP Jindal Global University on 12th March 2013 at Hotel Royal Plaza, Delhi.

- Conducted training programme for SSB Medical Officers, Pharmacists and Nurses on the topic of "Management of Alcohol and Drug Abuse/Dependence" from 15th January to 15th February 2013 at IHBAS.
- Participated as a resources person for training conducted by Department of Women and Child Development for Medical Officers of DHS and Councilors of Department of Education, Govt. of Delhi on the topic of "Early Identification of Drug Abuse in Children and Adolescents" on 2nd April, 2013 at Department of Women and Child Development, Caning Lane, New Delhi.
- Participated as a resources person for training conducted by Department of Women and Child Development for Medical Officers of DHS and Councilors of Department of Education, Govt. of Delhi on the topic of "Behavioural Indicators of Drug Abuse" on 2nd April, 2013 at Department of Women and Child Development, Caning Lane, New Delhi.
- Participated as a resources person for training conducted by Department of Women and Child Development for Medical Officers of DHS and Councilors of Department of Education, Govt. of Delhi on the topic of "Referral and Treatment Services for Children adolescents with Drug Abuse Problems" on 3rd April, 2013 at Department of Women and Child Development, Caning Lane, New Delhi.
- Participated as a resources person for training conducted by Department of Women and Child Development for Medical Officers of DHS and Councilors of Department of Education, Govt. of Delhi on the topic of "Early Identification of Drug Abuse in Children and Adolescents" on 17th April, 2013 at Department of Women and Child Development, Caning Lane, New Delhi.

- Participated as a resources person for training conducted by Department of Women and Child Development for Medical Officers of DHS and Councilors of Department of Education, Govt. of Delhi on the topic of "Behavioural Indicators of Drug Abuse" on 17th April, 2013 at Department of Women and Child Development, Caning Lane, New Delhi.
- Participated as a resources person for training conducted by Department of Women and Child Development for Medical Officers of DHS and Councilors of Department of Education, Govt. of Delhi on the topic of "Referral and Treatment Services for Children adolescents with Drug Abuse Problems" on 18th April, 2013 at Department of Women and Child Development, Caning Lane, New Delhi.
- Participated as resource person in the workshop organized by Jaipur Psychiatric Centre, SMS Medical College, Jaipur on the topic of "forensic and legal issues in psychiatric from 3rd to 4th May, 2013.
- Participated as a Resource person in the training programme organized by CNSY and SDMC at Civic Centre, Delhi on the topic of Introduction to Drugs, Early Identifiers, Myths & Facts about Drugs on 19th July 2013.
- Participated as a Resource person in the training programme organized by CNSY and SDMC at Civic Centre, Delhi on the topic of Behavioral indicators and issues in Children and Adolescents with drug abuse on 19th July 2013.
- Participated as a Resource person in the training programme organized by CNSY and SDMC at Civic Centre, Delhi on the topic of Treatment and Referral of Children and Adolescents with Drug abuse on 20th July 2013.

- Participated as a Resource person in the training programme under Centre of Excellence for Relapse Prevention (CERP) for the topic Long Acting Injections: Clinical Pharmacology and Practical Issues at IHBAS on 27th July 2013.

Miscellaneous Activities

- Member of a Committee constituted by the Director, Women and Child Development to formulate Road map for awareness, identification and tackling problems of drug abuse in school children since March 2013.
- Currently involved in setting and an evaluation of Pharmacology Paper for Chaudhary Charan Singh University, Merut, UP(December 2012) .

Dr. Vijender Singh

- Participated in 65th Annual National Conference Of Indian Psychiatric Society held at Bengaluru on 10th January 2013 to 13nd January 2013 and presented a scientific paper.

Awareness Generation Activities (Iec Activities)

- Organized and participated in Mental Health Awareness Week (MHAW) 2012 from 9th Oct 2012 to 16th October 2012

Organisation of Conference/Meeting/Workshop

- Organized Public Seminars & Round Table Discussions on 9th October, 2012 at IIC as a part of Mental Health Awareness Week (MHAW) 2012

Policy / Advocacy Group

- Participated in a "Round Table Discussion on Strategies to respond to the needs of Homeless Persons with Mental Health Issues and Options for Long Term Care for persons living with Mental Health Issues" organized by The Banyan Academy of Leadership in Mental Health (BALM) held at Chennai on 20th and 21st July 2012.

- Participated in "National Quality Conclave for Accredited HCOs under National Accreditation Board for Hospitals (NABH)" held at New Delhi on 17th and 18th November 2012
- Participated in a meeting on "Implementation of Guidelines on Psycho-Social Support and Mental Health Services for Disasters" conducted by National Disaster Management Authority (NDMA) at Delhi on 24th December 2012

Miscellaneous Activities

- Contributed in compilation and finalization of Vision Document for the Institute in August 2012

Dr. Manoj Kumar

- Attended 65th Annual National Conference of Indian Psychiatric Society. January 10th -13th 2013, held at National Institute of Mental Health and Neurosciences (NIMHANS), Bangalore, India.
- Speaker at symposium in 65th Annual National conference of Indian Psychiatric Society held at Bangalore, India. "Pharmacogenomics: Principles and application in Psychiatry.

Awards /Honours

Dr. N G Desai

- Honoured with Vishisht Chikitsa Ratan Award by Delhi Medical Association on the occasion of Doctors Day Award Ceremony held on 1.7.2012
- Honoured with IMA Dr. Ramachandra N.Murthy Award in Psychiatry by Indian Medical Association

Dr. Om Prakash

- Indian Council of Medical Research (ICMR) Professor Surindar Mohan Marwah Award (2010) for significant contribution in the field of Geriatrics (Declared in 2013)

New initiatives (Patient care services, Academic courses/Research activities)

Dr. Deepak Kumar

Projects/Thesis (Ongoing)

- Co-investigator in Department of Health, GNCTD funded project on "How to control & stop tobacco use an integrated community based approach in East Delhi".
- Guide and Co-guide for MD Psychiatry and M.Phil Clinical Psychology students Theses and dissertations respectively.

Other Activities

- Coordinated and participated in Inspection visits of children homes in along with NCPCR and DSLSA in June 2012.
- Resource faculty for topic " Consultation Liaison Psychiatry – principles, guidelines and future" at the PG Development Programme conducted by IPS-North at Kasauli, Himachal Pradesh in May 2012.
- Member of the Training Coordination Committee for NMHP/DMHP under DGHS and MOHFW, Government of India.
- Member of the Expert Committee on Mental Health care for the children in Delhi, constituted by the Delhi Commission for the Protection of Child Rights (DCPCR).

Dr. Rajesh Kumar

Evaluation of Thesis

- Evaluated thesis of MD (Psychiatry) from AIIMS entitled "Clinical Assessment & Biochemical Validation of Adolescent Inhalant Users in Treatment Settings" in January, 2012

- Worked as a Professional Expert for the content validity of the tool to assess the common behavioral problems among adolescents in a thesis entitled "A Study to assess the common behavioral problems among adolescents with a view to develop an information booklet for the parents on the management of these problems in selected areas of Delhi" (M.Sc. Nursing thesis from Rufaida College of Nursing, Faculty of Nursing, Jamia Hamdard, Hamdard University, Hamdard Nagar, New Delhi-110062, 24th August, 2012).
- Worked as a Professional Expert for the content validity of the tool to assess the quality of life of clients with ADS in a thesis entitled "A Comparative study to assess the quality of life of clients with Alcohol Dependence Syndrome attending Alcoholics Anonymous group meetings with those not attending any Alcoholics Anonymous group meetings in selected areas of Delhi" (M.Sc. Nursing thesis from Rufaida College of Nursing, Faculty of Nursing, Jamia Hamdard, Hamdard University, Hamdard Nagar, New Delhi-110062, 24th August, 2012).
- Worked as a Professional Expert for the content validity of the tool to assess the problems faced by the spouses of alcoholics in relation to alcoholism and identify the coping strategies adopted by them in a selected community in New Delhi (M.Sc. Nursing thesis from Rufaida College of Nursing, Faculty of Nursing, Jamia Hamdard, Hamdard University, Hamdard Nagar, New Delhi-110062, 24th November, 2012).
- Evaluated thesis of MD (Psychiatry) from AIIMS entitled "Clinical Assessment of Psychiatric Co-Morbidity in Adolescent Inhalant Users" in February, 2013.
- Evaluated thesis of MD (Psychiatry) from AIIMS entitled "Cost Analysis of Alcohol Dependence and" in February, 2013.

Thesis/Dissertation (Completed)

- "Role of emotional intelligence in psycho-social problems and coping strategies among the children and spouses of alcoholism patients" funded by ICMR, New Delhi.
- "Frequency and pattern of substance use in patients of schizophrenia – A hospital based study" (M.D. thesis).
- Cognitive impairment in elderly depressive individuals (M.Phil. dissertation).
- Disability and Quality of Life in patients with obsessive compulsive disorder (M.Phil. dissertation, submitted).
- "A Comparative study of Caregivers' Burden and Quality of Life in Patients of OCD and Schizophrenia" (M.D. Thesis).
- "Study of temperament, family environment, psychopathology and their association with pattern of use in adolescents with substance use disorder presenting to a tertiary care centre" (M.D. Thesis).

Thesis (Ongoing)

- "Study on gender differences in Obsessive Compulsive Disorder in terms of explanatory model, help seeking behavior and caregivers' burden" (M.D. Thesis).
- "A study of Depressive Disorders, Quality of Life and Functioning in Patients with Hypothyroidism" (M.D. Thesis).
- "A study of marital quality and dyadic adjustment in patients with depression" (M.Phil Clinical Psychology Dissertation).
- "Emotional processing in Obsessive Compulsive Disorder" (M.Phil Clinical Psychology Dissertation).

- "A study on temperament and body image disturbance in school going adolescent girls" (M.Phil Clinical Psychology Dissertation).

As Co-Investigator (ongoing)

- Currently involved as Co-investigator in study entitled "Integrated Biology Approach in Deciphering Genotype Phenotype co-relation for Complex Human Disorders" (funded by Integrated Genomic Institute of Biology under CSIR).
- "A Multi-centre Study of Mental Health Morbidity and Psychosocial needs of Persons living with HIV/AIDS" (funded by NACO).

Dr. Vijender Singh

Projects (Completed)

- Co-investigator in ICMR Task Force Project on "NICED-IHBAS-RIMS Collaborative study on HIV/AIDS and Drug Abuse in Manipur" funded by Indian Council of Medical Research (ICMR) Jun. 2006 to May 2008
- Co-investigator in ICMR Task Force Project on "Mental Health Needs Assessment and Service Delivery Models in Earthquake affected population of Gujarat" funded by Indian Council of Medical Research (ICMR) Mar. 2003 to Mar. 2008

Projects/Thesis (Ongoing)

- Co-investigator in "A Multi-centre Study of Mental Health Morbidity and Psychosocial needs of Persons living with HIV/AIDS" funded by National AIDS Control Organisation (NACO)
- Co-supervisor for MD thesis on "A Study of Behavioural & Psychological Symptoms of Dementia (BPSD) in Patients with Dementia of Alzheimer Type & Vascular Dementia " in the Department of Psychiatry, IHBAS, Delhi

- Co-supervisor for MD thesis on "Anxiety and Depression in parents of children with attention deficit Hyperactive disorder- A comparative Study" in the Department of Psychiatry, IHBAS, Delhi
- Co- Supervisor for MD thesis on "A study on the Thyroid Abnormalities and its effects on quality of life in cases of Depressive Disorders" in the Department of Psychiatry, IHBAS, Delhi.

Trainings Conducted

Dr. Deepak Kumar

- Participated in Training of CRPF personnel in Mental health Issues on 9th April 2012 at IHBAS.
- Participated in Training of Sashastra Seema Bal (SSB) personnel in Mental health Issues in Jan. to Feb. 2013 at IHBAS.

Dr. Rajesh Kumar

- Conducted training for Blood Bank Counsellors on the topic of "Suicide Risk Assessment in HIV/AIDS" at DSACS, Headquarters on 20th November 2012.
- Conducted training for Blood Bank Counsellors on the topic of "Behaviour Change Communication: HIV Transmission" at DSACS, Headquarters on 21st November 2012.
- Conducted training for Blood Bank Counsellors on the Topic of "Understanding Behaviour Change" at DSACS, Headquarters on 21st November 2012.
- Conducted training programme BSF Medical Officers, Pharmacists and Nurses on the topic of "Management of Alcohol and Drug Abuse/Dependence" from 1st March to 31st March 2013 at IHBAS.

- Conducted training programme for CRPF personnel on the topic of "Mental Health Issue in HIV/AIDS" as a part of tele-counseling on 15th March 2013 at CRPF Officers Institute, Vasant Kunj, New Delhi.
- Conducted training programme for CRPF Personnel on the topic of "Suicide Risk Management" in HIV/AIDS as a part of tele-counseling on 15th March 2013 at CRPF Officers Institute, Vasant Kunj, New Delhi.

Dr. Vijender Singh

- Participated in Training of CRPF personnel in Mental health Issues on 9th April 2012 at IHBAS
- Participated in Training of Sashastra Seema Bal (SSB) personnel in Mental health Issues in Jan. to Feb. 2013 at IHBAS

DEPARTMENT OF NEUROLOGY

Departmental Events

Epilepsy Day: Department of Neurology organized the Public Awareness Programme on the occasion of National Epilepsy Day on 26th November, 2012 as a part of Epilepsy Day celebration under the aegis of Indian Epilepsy Association- Delhi Chapter.

Brain Awareness Week: Department of Neurology participated in the Public Awareness lecture series like Epilepsy, Dementia, Headache, Stroke & CNS Infection during the Brain Awareness Week organized by Department of Psychiatry, IHBAS.

Thesis Completed: DM Neurology Students

- Dr. Anju Jaiswal: Dysexecutive Syndrome in Parkinson's Disease and Parkinson Plus Syndrome Patients.
- Dr. Akhila Panda: Pattern of cognitive impairment in Amyotrophic Lateral Sclerosis and Indian Scenario.
- Dr. Vachan Jayant Mehta: Clinical Spectrum and Predictors of Quality of Life in Chronic daily headache.

Dr. Kiran Bala, Additional Professor and Head (Neurology)

Publications

- Singh NK, Chhillar N, Banerjee BD, Bala K, Mukherjee AK, Mustafa MD, Mitrabasu. Gene--Environment Interaction in Alzheimer's Disease. Am J Alzheimers Dis Other Demen.
- Singh N, Chhillar N, Banerjee B, Bala K, Basu M, Mustafa M. Organochlorine pesticide levels and risk of Alzheimer's disease in north Indian population. Hum Exp Toxicology 1-7.
- Singh N, Chhillar N, Banerjee B, Bala K, Basu M, Mustafa M. Organochlorine pesticide levels and risk of Alzheimer's

disease in north Indian population. Hum Exp Toxicol. 2012 Aug 16. [Epub ahead of print].

- Sandeep Grover, M. Gourie-Devi, Ruchi Baghel, Sangeeta Sharma, Kiran Bala, Meena Gupta, K. Narayanasamy, Binuja Varma, Meena Gupta, Kavita Kaur, Puneet Talwar, Harpreet Kaur, Sudheer Giddaluru, Abhay Sharma, Samir K Brahmachari, Indian Genome Variation Consortium, Ritushree Kukreti; "Pharmacogenomics of Epilepsy: Genetic profile of patients with epilepsy from North India, on first line antiepileptic drugs and a review of literature based on functional SNPs".
- Siddharth Maheshwari, Akhila Panda, Kiran Bala. Schwannoma: A great masquerader in clinical neurology. Novel Science International Journal of Medical Science (2013), 2(1-2): 313-316.index

Conferences Attended

International Conferences

- 13th Asian Oceanian Congress of Neurology at Melbourne, Australia from 4 to 8th June, 2012.

National Conferences

- IANCON 2012 20TH Annual Conference of Indian Academy of Neurology from 4th to 7th October, 2012 at Ahmedabad.
- The 7th National Congress of Indian Stroke Association (STROKECON 2012) from 9th to 11th March, 2012 at Pune.

Workshops

- Single Theme Workshop Continuing Medical Education (CME) and Continuing Rehabilitation Education (CRE) "Aphasia" from 17th to 19th August, 2012 at MGM Medical Collage & MY Hospital, Indore.
- IES-7th EEG Workshop- Clinical Perspectives under the aegis of Indian Epilepsy Society (IES) & Asian Epilepsy Academy

(ASEPA) from 10th to 12th August, 2012 held at G.B. Pant Hospital, New Delhi.

Teaching Courses

- Teaching Course in Movement Disorder at Goa from 16th to 18th November, 2012.
- AOS-MDS Teaching Course from 27th to 28th October, 2012 at All India Institute of Medical Sciences, New Delhi.
- Fine Weekend Neuro-opthalmology & Neuro-otology Course at Agra from 24th to 26th August, 2012.

Thesis Completed

- ✦ The study of Clinical Profile and outcome of Tuberculous Meningitis
- A study of Sleep Disturbances in Patients with Epilepsy

On-going Research Projects

- Study of the Dynamic MRI of the cervical spine in normal healthy controls to look for cervical spine abnormalities.
- Patterns of spread in motor neuron disease.

Dr. Suman Kushwaha, Associate Professor (Neurology)

Publications

- Dheeraj Rai ,Hardeep Malhotra, Ravinder K Garg, *Suman Kushwaha*, Sujata Chaturvedi. Hamstring lump in two muscular dystrophy. A novel observation. Neurology India;July,Aug , Vol 60 issue 4
- Suyog Mehta, K. Chandersekhar, G. Prasadrao, Lakshman Dutt, S. Patkar, R. D. Nagpal, M. Gupta, G. S. P. Raju, K. K.

Praveen,⁷ B. S. V. Prasad, T. Roy, S. Kushwaha, Jyotindra Nag, D. Langade, and D. Pawar . Safety and efficacy of donepezil hydrochloride in patients with mild to moderate Alzheimer's disease: Findings of an observational study. Indian J Psychiatry. 2012 Oct-Dec; 54(4): 337–343

- Kushwaha Suman, Malhotra Hardeep Garg Sushil Maheshwari Siddharth, Malik Seema, Goyal Renu .Central Pontine Myelinolysis (CPM): An Atypical Presentation of HIV .J Neurol Res 2012;2(2):59-61
- Panda Akhila Kumar, Suman Kushwaha .Pulvinar sign: An unusual Manifestation of Paraneoplastic Limbic Encephalitis associated with Carcinoma of Breast. *Novel Science International Journal of Medical Science (2012), 1(8): 253-255*
- Suman Kushwaha, Akhila Panda, Vachan Mehta, Seema Malik, Ishita Pant. Feeding Dystonia: A classical presentation of neuroacanthocytosis. International journal of case reports and images .Vol 2012 .issn –[0976-3198].
- Akhila Kumar Panda, Aldrin Anthony Dung Dung, Vachan Jayant Mehta, Suman Kushwaha. Sensory neuropathy, cataract and bilateral dentate nucleus hyper intensity in industrial solvent toxicity: a rare clinical and neuroimaging correlation. Indian Journal of Medical Specialties 2012; 3(2).

Dr. Aldrin Anthony Dung Dung, Assistant Professor (Neurology)

- Monali Raval, Rima Kumari, Aldrin Anthony Dung Dung, Bhuvnesh Guglani, Nitij Gupta, Rohit Gupta, Departments of Neuroradiology and Neurology, Institute of Human Behaviour & Allied Sciences (IHBAS), Delhi. MRI Findings in Hirayama Disease; Indian Journal of Radiology and Imaging/November 2010/Vol20/Issue 4.

- Aldring Anthony Dung dung, Akhila k Panda, Vachan j Mehta, Anti-Nmdar encephalitis: a house afire. International Journal of Scientific Research. Volume:2/Issue:4/Apr 2013 . ISSN No 2277-8179.
- Akhila Kumar Panda, Aldrin Antony Dung Dung, Vachan Jayant Mehta, Suman Kushwaha. Sensory neuropathy, cataract and bilateral dentate nucleus hyperintensity in industrial solvent toxicity: a rare clinical and neuroimaging correlation. Indian journal of Medical Specialities.
- Akhila Kumar Panda, Vachan Jayant Mehta, Aldrin Anthony Dung Dung. Leigh's Disease; A diagnostic Probability on Serial Neuroimaging. International Journal of Neurology and Neurosurgery. January-June 2012, Volume 4 Number 1.
- Manuscript titled "Akinetic rigid syndrome; an unusual presentation of hypoglycaemic encephalopathy", with manuscript ID: IJCRI_201211306_CR, is now acceptable for publication in International Journal of CASE Reports and images (IJCRI).

Dr. Siddharth Maheshwari, Assistant Professor

- Kushwaha Sumana, Malhotra Hardeep, Garg Sushil, Maheshwari Siddhartha, Malik Seema, Goyal Renu. Central Pontine Myelinolysis (CPM): An Atypical Presentation of HIV. J Neurol Res 2012;2(2):59-61. Non index
- Siddharth Maheshwari, Akhila Panda, Kiran Bala. Schwannoma: A great masquerader in clinical neurology. Novel Science International Journal of Medical Science (2013), 2(1-2): 313-316.index
- Akhila Panda, Siddharth Maheshwari, Vachan Mehta, Aldrin Anthony. Pictorial CME entitled "Face of Giant Panda Sign in Wilson's Disease". Accepted for publication in JAPI.index

Conferences Attended

- STROKECON 2012. The Seventh national congress of ISA PUNE March 2012
- International Workshop on EEG. GB Pant Hospital, Maulana Azad Medical College, New Delhi, August 11-12, 2012
- STROKECON 2013. The Seventh national congress of ISA Ludhiana March 2013.

Dr. Bhawna Kaul, Assistant Professor (Neurology)

- Paroxysmal occipital discharges suppressed by eye opening: spectrum of clinical and imaging features at a tertiary care center in India. Kaul B, Shukla G, Goyal V, Srivastava A, Behari M. Neurol India. 2012 Sep-Oct;60(5):461-4.
- Mineral deposition on magnetic resonance imaging in chorea-acanthocytosis: A pathogenic link with pantothenate kinase-associated neurodegeneration? Kaul B, Goyal V, Shukla G, Srivastava A, Garg A, Bader B, Danek A, Hayflick S, Behari M. Neurol India. 2013 Mar-Apr;61(2):169-70.
- An unusual cause of reversible axonal neuropathy and hypertension in a 10-year-old girl. Kaul B, Kaur P, Tripathi M, Khadgawat R, Ammini AC, Agarwala S, Kaushal S, Dattagupta S. J Clin Neurosci. 2012 Aug;19(8):1196-7.

Conferences Attended

- Poster presentation at DNAICON 2013 Mineral deposition on magnetic resonance imaging in chorea-acanthocytosis: A pathogenic link with pantothenate kinase-associated neurodegeneration? Kaul B, Goyal V, Shukla G, Srivastava A, Garg A, Bader B, Danek A, Hayflick S, Behari M.
- Platform presentation at SLEEPCON 2012-Parkinson's Plus syndromes presenting with Circadian rhythm sleep disorder – advanced sleep phase type. Bhavna Kaul, Garima Shukla, Anupama Gupta, Vinay Goyal, Achal Srivastava, Madhuri Behari

Dr. Shaily Singh, Assistant Professor (Neurology)

Conferences Attended

- E-poster Presentation at the 22nd European Stroke Conference, London 2013 titled 'Surgical Treatment for Hypertensive Intracerebral Hemorrhage: Is it the answer for the developing world?
- Poster Presentation at the International Epilepsy Congress, Montreal 2013 titled 'Impact of sleep on the localizing value of Video EEG in patients with refractory focal seizures – a prospective video-EEG- polysomnography study'

Awards

- Junior Travelling Fellowship by World Federation of Neurology, 2013.

Certifications

- TOEFL certification June 2013 with the following scores – Reading -30, Listening – 29, Speaking- 28 and Writing- 28.

Journals

- Tour report of the European Stroke Conference 2013 accepted for publication in 'World Neurology'
- Validation of ICH and ICH-GS scores in an Indian cohort of patients with Intracerebral hemorrhage- accepted for presentation at the 22nd European Stroke Conference, London 2013 and abstract to be published in Cerebrovascular Diseases.

DEPARTMENT OF NEUROSURGERY

The department came into existence in April 2007 with the joining of one Associate Professor, Dr. P.K. Upadhyay and two Assistant Professors, Dr. VKS Gautam and Dr. Deepak Kumar Jha. The department is headed by Dr. P.K. Upadhyay. Neurosurgery department started the outdoor patient services in July, 2007. Neurosurgery ward started in July 2008 with admission of Mr. Vijay Kumar as very first neurosurgical patient. Neurosurgery operation theatre started working on 28th July, 2008 with successful operation of Mr. Vijay Kumar. Evacuation of subdural haematoma by frontal burr hole was done by Dr. P.K. Upadhyay and assisted by Dr. A.M. Thakur. Even after five years follow up patient is hale and hearty consolidation of present successful work to be established as a neurosurgical centre in Delhi.

Dr. P.K. Upadhyay

Patient Care Services

Total cases seen in OPD: 3782

Total admissions in Neurosurgery: 299

Total cases operated in Neurosurgery OT: 186

Participation

- Attended NSI at New Delhi December 2012
- Attended DND at New Delhi 2013
- Attended Neurotrauma at Kochhi 2012
- Attended Neurospinecon at Chennai

Teaching and Training

Lectures conducted for DM (Neurology), MD (Psychiatry) students in applied neuroanatomy

Media Coverage

Television discussion on Chronic subdural haematoma

Dr. Deepak Kr. Jha

Conference Attended

- 1-3 Nov Neuropedicon 2012, Delhi
- 19-22 December 2012, NEUROCON 2012, Delhi
- 14th MICRONEUROSURGERY WORKSHOP, AIIMS, Delhi
- 16-17 Feb 2013, DNA CON 2013, Delhi
- 9-10 March 2013, BRACHIALCON 2013

Reviewer of Journal

Neurosciences

Dr. V.K. S. Gautam

New Membership of Scientific Society

- In November 2012, became Life member of Neurological Surgeons' Society (NSSI) of India (Membership No. NSSI-V-23)
- Life membership of Neuro Spinal Surgeons Association (NSSA), India
- In November, 2012 became Life member of Neurotrauma Society of India (Membership No. G-24)

Volunteer Reviewer of the Medical Journal

Became a peer-reviewer of Dove Medical Press Journals for Neuroscience and Neuroeconomics.

Conference/Workshop/CME Attended/Participated

- 7th National Quality Conclave "Improving Quality of Public Services: The Role of Public & Private Sectors" organized by Quality Council of India at Hotel Le-Meridian, New Delhi, 27th & 28th April, 2012

- 2nd Annual Neurovascular Intervention Update on 10th-11th August , 2012 at Medanta Institute of Neurosciences, Gurgaon, Haryana.
- Certificate Stroke Training Program Course on 12th August, 2012 organized by Medanta Institute of Neurosciences, at Medicity, Gurgaon, Haryana
- First instructional course in Neurosurgery- Craniovertebral Junction and cervical spine, 12th-13th October, 2012 at G.B.Pant hospital, New Delhi
- 61st Annual National Conference of Neurological Society of India 19th-22nd December, 2012 and 1st Indo German Neurosurgical Society Friendship Meeting at Leela Kempinski, Delhi
- 15th Annual conference of Delhi Neurological Association " DNACON 2013" held at India Habitat Centre, New Delhi from 16th-17th February, 2013.
- Brain Awareness Week -2013 from 12-19th March 2013 at IHBAS, Delhi

Papers Publications

- VKS Gautam, S. Khurana, R. Singh. Brain stem tuberculoma presenting as stroke. IOSR Journal of Dental and Medical Sciences, Vol.4, issue 6, Jan-Feb 2013.
- Sarbjeet Khurana, Neelam Chillar, Vinod Kumar singh gautam. Inventory control techniques in medical stores of a tertiary care neuropsychiatry hospital in Delhi.. Vol.5, No.1, 8-13 (2013).

- Vinod K.S.Gautam, Sarbjeet Khurana, Ravinder Singh, Primary Calvarial Tuberculosis (PCT) presenting as cold abscess of the scalp: A report of two cases. IOSR Journal of Dental and Medical Sciences, Volume 4, Issue 4 (Jan-Feb, 2013).
- Gautam , Vinod K.S, Ravinder Singh, Sarbjeet Khurana (2013). Transient Behavior Abnormality following injury to splenium of corpus callosum during ventriculoperitoneal shunt surgery-A case report. Journal of Dental and Medical Sciences, Vol.5, Issue1, (March-April,2013) pp 26-29.
- Singh, Ravinder, Upmesh K Talwar, Vibha Sharma, VKS Gautam (2013). Caring Women with Dementia: An unheard or Hidden suffering. Journal of Nursing and Health Sciences, Volume X, (Mar-Apr 2013), pp 36-40.
- Singh, Ravinder, Upmesh K Talwar, Vibha Sharma, VKS Gautam (2013). School children with epilepsy: Their Voice, Our Concerns. Journal of Humanities and Social Sciences, vol.8, Issue 4 (March-April 2013) pp 52-55.

Lectures Delivered

Delivered public lectures on Neurotrauma and Brain tumors during Brain Awareness week held in Delhi from 12th March and 19th March, 2013.

Seminar/Conference Organized

Joint Coordinator of Brain Awareness Week organized by IHBAS in collaboration with Delhi Medical Association (DMA), a week long programme from 12th March to 19th March, 2013 in different parts of Delhi to promote public awareness about problems of Brain – Mind & their solutions.

DEPARTMENT OF NEUROANAESTHESIOLOGY

Neuroanaesthesiology and Critical Care

History

Since the joining of Dr Mukul Kumar Jain as permanent faculty (Assistant Professor) in the department on 19th Nov 2004, department is growing progressively with the vision to provide state of art quality services for anaesthesia and critical care. Central gas supply pipeline system was inaugurated on 24th June 2008, due to which uninterrupted supply of Oxygen has been possible. Dr Arvind K Arya had joined the department as assistant professor in 18 July 2008. First Neurosurgical operation under GA was performed on 02/02/2009. CPR training Centre under Deptt of Neuroanesthesiology for training of doctors and paramedical staff of IHBAS had also set up in 2011.

Scope of Services

Neuroanesthesiology is a discipline within the practice of medicine dealing with but not limited to, and specializing in:

- The preoperative, intra-operative and postoperative evaluation and treatment of patients who are rendered unconscious and/or insensible to pain and emotional stress during Neurosurgery, Psychiatric Procedures(like MECT, Narco-analysis), therapeutic and diagnostic or other medical procedures;
- To provide Monitored anesthesia care
- The protection of life functions and vital organs (e.g., brain, heart, lungs, kidneys, liver, endocrine, skin integrity, nerve [sensory and muscular]) under the stress of anesthetic, surgical and other medical procedures;

- Monitoring and maintenance of normal physiology during the peri-operative period;
- Diagnosis and treatment of acute, chronic and cancer-related pain;
- Clinical management of cardiac and pulmonary resuscitation;
- Evaluation of respiratory function and application of respiratory therapy;
- Management of critically ill patients;
- Conduct of clinical, translational and basic science research;
- Supervision, teaching and evaluation of performance of both medical and paramedical personnel involved in peri-operative care and cardiac and pulmonary resuscitation.
- ✦ Documentation of anesthesia care
- ✦ General Public Awareness regarding Anesthesia, CPR training etc.

Hospital Services: Clinical Activity

- **PAC:** All the patients undergoing for any procedure under the effect of anesthetic agent are screened in pre anesthetic checkup to rule out any problem that can be hazardous during anesthesia. It also helps in to find out any contraindication for the procedure. During year 1012 total 298 patients were seen in PAC.
- **NEUROSURGICAL OPERATIONS:** Total 218 operations were done under anesthesia.

- **ECT:** Electroconvulsive therapy is a treatment for the severe depression. It may be carried out to apply current in conscious patients (Direct ECT) or in anaesthetized patient (Modified ECT). Total 645 patients had undergone such treatment under anesthetic effect during 2012 and no direct ECT was given.
- **ICU Care & Ventilatory support to critically ill patients:** Frequently, patients in Neuro-ICU require Ventilatory support to maintain the respiration and Department of Neuroanesthesiology looked after such patients in Neuro-ICU. Many of times help of anesthetist is required in neurology to put I.V.Line/ central line, to perform percutaneous tracheostomies, to perform lumbar punctures, to put Ryle's Tube etc. Besides routine observations, 324 emergency calls were attended from various wards, NeuroICUs etc.

Educational Activities

- A guest lecture on "Ventilatory support in Stroke Patients" was delivered on 10-02-2013 in 14th National Conference & CME of ISNACC at Varanasi, UP. (Mukul K Jain)
- Poster presentation of "Relevance of Automatic Cuff Pressure Controller or Assessment of Endotracheal Tube Cuff Pressure in Neurosurgeries" during the 3rd ASNACC and 4th Joint Symposium Indonesia –Singapore at Bali, Indonesia. (Mukul K Jain)
- Lecture on BLS under NABH- code blue was given so many times.

Teaching & Training

- Regarding care of ventilatory patient, ventilator setting to a critically ill patient (M. K. Jain)

- To nursing staff of Neuro ICU-regarding care of ventilator, care of critically ill patients

Organization of Symposium/Public Programme/Talks

- Organized Brain Awareness Week activities started from 12th March 2013 to 19th March 2013 as Chief coordinator. (Dr Mukul K Jain)

Symposia/Workshops/Conference/Training/CME

- Sir Ganga Ram Hospital Annual CME- 2012, 21st Oct 2012, Delhi(Dr Mukul K Jain)
- 10th Annual conference of ISCCM- Delhi Chapter at Delhi- 26th Aug 2012(Dr Mukul K Jain)
- 55th Annual DMACON-2013 at Delhi- 6th Jan 2013. (Dr Mukul K Jain)
- 14th Annual conference of ISNACC, 2013 at Varanasi- 8-10 Feb 2013 and delivered a lecture. (Dr Mukul K Jain)
- 3rd ASNACC and 4th Joint Symposium at Bali, Indonesia- 22-23 Feb 2013 (Dr Mukul K Jain)

Special Grants/Assistance/Honours/Distinctions Received

- Award of Organizing the Brain Awareness Week from IHBAS in association with DMA on 19th March 2013.(Mukul K Jain)
- Certificate o DMA Volunteer for Healthy Delhi- 2013(Dr Mukul K Jain)

Additional Administrative Work

- OIC ECT (Dr Mukul K Jain) since 01/10/2008
- OIC (Purchase) Dr Mukul K Jain

Dr Arvind Arya

Publications in Indexed Journal

International Indexed Journal

Research article entitled as "*Difficult airway with difficult regional anaesthesia for lower limb orthopedic surgeries in patients with ankylosing spondylitis – what should we opt for?*" by Arvind arya, Manpreet singh, S. chaudhary published in indexed journal '*Srilankan Journal of Anaesthesiology*' vol 20(1) : (2012), page 39 - 42

Contributions

Paper Presentation

- 'Evaluation the comparison of different doses of Dexmedetomidine on haemodynamics and recovery profile in patients undergoing modified ECT' in 60th Annual Conference of Indian Society of Anaesthesiologists (ISA), ISACON-2012 at Indore M.P. organized by Department of Anaesthesiology and Critical Care, organized by ISA Indore at Labh Ganga Convention centre on 26th - 29th Dec. 2012.
- "Evaluation the role of Dexmedetomidine for ICU sedation in Neuro critical care units" in 19th Annual Conference of the Indian society of Critical Care Medicine & International critical care congress, Organized by ISCCM Kolkata Branch at Kolkata on 1st- 4th March 2013.

Abstracts Published

- Arvind arya, Bidyut Borah, mukul jain, Deepak kumar. 2012. "Evaluation the comparison of different doses of Dexmedetomidine on haemodynamics and recovery profile in patients undergoing modified ECT' in ISACON- 2012 abstract book 2012

- Arvind arya, Usha devi, mukul jain, Suman Kushwaha. 2013. "Evaluation the role of Dexmedetomidine for ICU sedation in Neuro critical care units" in ISCCM-2013 Abstract book.

Conferences Attended

- 50th Annual Conference of ISA Delhi Chapter, organized by Department of Anaesthesiology and Critical Care , Hindu Rao Hospital , Delhi on 7th – 8th April 2012.
- IMA MEDICON -2012, annual conference of Indian medical association on 21st – 22th April 2012 at IMA hall, Delhi.
- Annual conference of Delhi chapter of ISCCM (Delhi Society of Critical care Medicine) on 4th-5th Aug 2012 at Hotel Le meridian, Delhi.
- EORCAPS – 2012, organized by Department of Anaesthesiology and Critical Care , UCMS & GTB Hospital, Delhi on 21st-29th Sept. 2012.
- 34th Annual Conference of ISA UP Chapter & 3rd Annual Conference of CZ ISA, organized by Department of Anaesthesiology and Critical Care, LLM Medical College Meerut, UP on 29th-30th Sept 2012.
- "ICU CON-2012" Organized by IMA-East Delhi Branch & East Delhi Anaesthesiologists Forum on 9th Dec. 2012 at IMA-EDB Bhawan, Karkardooma, Delhi.
- 60th Annual Conference of Indian Society of Anaesthesiologists (ISA), ISACON-2012 at Indore M.P. organized by Department of Anaesthesiology and Critical Care, organized by ISA Indore at Labh Ganga Convention centre on 26th - 29th Dec. 2012

- DNACON- 2013, Annual conference of Delhi Neurological Society held at Indian Habitat centre, organized by Neurosciences, Apollo Hospital Delhi on 9th – 10th Feb. 2013.
- CME organized Department of Anaesthesiology and Critical Care, UCMS & GTB Hospital, Delhi on 22.02.2013.
- 19th Annual Conference of the Indian society of Critical Care Medicine & International critical care congress, Organized by ISCCM Kolkata Branch at Kolkata on 1st- 4th March 2013.

Guest Lectures taken

- Lecture on 'Anaesthetic equipment' in EORCAPS – 2010, organized by Department of Anaesthesiology and Critical Care, UCMS & GTB Hospital, Delhi on 23.09.2011
- Lecture on 'Sedation for Neuro critical care' in Neuro Critical care Workshop in 19th Annual Conference of the Indian society of Critical Care Medicine & International critical care congress, Organized by ISCCM Kolkata Branch at Kolkata on 1st- 4th March 2013
- Lecture on “CRITICAL CARE MANAGEMENT OF ACUTE STROKE” in Brain Awareness week -2013 on 19th March 2013 organized by IHBAS and Delhi Medical Association.

Workshops Organized

- Organized and conducted “workshop on Basic life Support” and delivered lecture on 'Cardiopulmonary resuscitation' with IMA East Delhi on 20th Jan 2013 at Apex City Hospital, Patparganj, Delhi.
- Organized and conducted “workshop on Basic life Support” and delivered lecture on 'Cardiopulmonary resuscitation' in 'Delhi Police Head Office and DCP Office during Delhi police week on 25th Feb 2012.

DEPARTMENT OF NEURORADIOLOGY

Brief History

The department of Neuroradiology started functioning in 1982 with the installation of first X ray machine. Since the past 30 years, the department has come a long way with expansion in the modalities and scope of services.

Scope of Services

Department of Neuroradiology has state of the art machines for X-Ray, Ultrasound, Colour Doppler, and CT scan. Over the years there has been a constant increase in patient in-flow in the department. The Institute also has a state of the art 3 Tesla MRI Machine under Bhagidari Scheme /outsourcing with M/S Focus Imaging Center Pvt. Lt. which has been performing all the MRI scans of IHBAS patients.

Major Achievements

Radiological Investigations performed during the year were:

- **X-ray facilities:** Presently, X-rays are being performed on 1000 mA Shimadzu C Vision X-ray machine. All X rays of ICU/ inbed patients are carried out using the 150 mA mobile X ray unit. During the year, 6164 X-rays have been performed.
- **Ultrasound, Echo and Color-Doppler:** 2685 Ultrasounds, 591 Color Doppler and 256 Echocardiography examinations have been performed in the year.

- **CT Scan:** CT scan facility started functioning in March 2011 with the installation of Siemens Somatom Emotion 16 slice CT scanner. 4678 CT examinations were performed during the said period.
- **MRI:** The supervision and reporting of MRI scans of IHBAS patients done at Focus Imaging Center is being done by radiology faculty and residents of the institute. Daily 10-15 patients of IHBAS (inpatients and outpatients) undergo MR scanning at Focus Imaging Center. 7174 MRI scans of IHBAS patients were done during the said period.

Teaching and Training

The Department is actively involved in teaching. All important cases are routinely discussed and reviewed in the Department, involving the resident and the faculty. Once a week, a dedicated inter-departmental session to discuss all the clinical details and radiological investigations is performed. The faculty is also involved in interdepartmental discussions, seminars and lectures.

Conferences Attended

International conference on Radiation Biology held at Mumbai w.e.f. 22nd to 24th November 2012.

Symposia/Workshops/Conference/Training/CME

"AIIMS MAMC PGI Imaging Course on Recent Advances and Applied Physics in Imaging" held at AIIMS, Delhi w.e.f. 29.3.13 to 30.03.13

DEPARTMENT OF CLINICAL PSYCHOLOGY

Publications

- Bajaj, M. & Sinha, U. K. (2013) Cognitive deficits and behavioural disturbances among dementia patients and its impact on their care givers. *Helpage India Research & Development Journal*, Vol. 19, (1), 7-22.
- Kumar, D., Sinha, U. K., Khanna, A. & Kar, S. K. (2013) Multidisciplinary approach in child and adolescent depression: Experience from a tertiary mental health institution in India. *Open Journal of Psychiatry*, Vol. 3, (3A), 8-14. (Published online July 2013 in SciRes. <http://www.scirp.org/journal/ojpsych>)
- Jalan, R. K. & Sinha, U. K. (2013) Abstraction, Executive Functions and Vigilance in Adult Schizophrenic Patients. *Journal of Institute of Medicine*, Vol. 35, (2), 104 - 109.
- Shikhu L.P., Jha M. & Sharma V. (2012) Function based Intervention for Tic disorder- A case Report. *Delhi Psychiatry Journal Vol. 15* (2), pp-428-431.
- Jha M., Sharma V. & Singh T.B. (2012) Factors influencing resilience in a child suffering with Turner's syndrome: Psychological Perspective. *Indian Jl. of Positive Psychology Vol. 3*(2), 124-127.
- Jijina P., Varma R., Sharma V. (2012) Spiritually- augmented CBT techniques as an adjunct to traditional CBT in a case of Depression. *Indian Jl of Positive Psychology, Vol.3* (4).
- Sharma V., Ahmed Z. & Varma R. (2013) Quality of Life and Mental Health of Infertile Women. *Psychology in India Vol.1* (1), 6-17.

- Shikhu L.P., Sharma V. & Singh, T. B. (2013) Association between I.Q. and S.Q. scores on the basis of Performance test of Intelligence and Social Maturity Scale to determine Predictability. *Indian Jl. of Developmental Disabilities Vol.1 (1)*, 18-25.
- Singh R., Talwar K.U., Sharma V. & Gautam V.K.S. (2013) School Children with Epilepsy: Their Voice, Our Concerns. *IOSR Jl. of Humanities and Social Science Vol.8 (6)*, 52-55.
- Singh R., Talwar.K.U., Sharma V. & Gautam V.K.S. (2013) Caring Women with Dementia: An Unheard or Hidden Suffering. *IOSR JL. Of Nursing and Health Science Vol. X (X)*, 36-40.
- Jijina P., Varma R., Sharma V. (2012) Spiritually- augmented CBT techniques as an adjunct to traditional CBT in a case of Depression. *Indian Jl of Positive Psychology, Vol.3 (4)*.
- Jijina P., Varma R. & Sharma V. (2013) Technology: An asset or detriment for Psychotherapy? *Delhi Psychiatry Journal Vol. 16 (1)*, 213-215.
- Ahmed Z., Varma R. & Sharma V. (2013) Quality of Life and Mental Health of Infertile Women. *Psychology in India Vol.1 (1)*, 6-17.
- Jha, M., Varma R., Kumar, A.; Singh, T. B. (2013). Fibrodysplasia Ossificans Progressiva - A case report. *International Journal of Case Report and Images.4(2)*.
- Kar, S., Devdutt, J., Kamboj, A., Varma R. (2013) Behavioural Problems in Patients of Borderline Intelligence with multiple physical co morbidities: A psycho diagnostic approach. *International Journal of Research in Medical and Health Sciences. Vol. 1(2)*, 33-36.

- Varma R. & Sadiza J. Role of Cognitive Behaviour Therapy in Intellectually Disabled. Accepted for publication in *Psyche Space*.
- Jha, M. (2012). Theory of Mind Deficit in Schizophrenia and Associated Cognitive Functions. *Psychological Studies* (July–September), 57(3), 283–291. DOI 10.1007/s12646-012-0148-8.
- Shikhu, L., Jha, M., Sharma, V. (2012) Function- based intervention for Tic disorder: A CaseReport. *Delhi Psychiatry Journal*. 15 :(1), 428-431.
- Jha, M., Shanker, R. V., Kumar, A., Singh, T. B. (2013). Fibrodysplasia Ossificans Progressiva - A case report. *International Journal of Case Report and Images*. 4(2):xx-xx.doi:10.5348/ijcri-2013-02-275-CR-8

Books/ Book Chapters/ Monographs

Jha, M. (2013). Theory of Mind

Presentations In International/ National Conferences

Dr. Uday K. Sinha

- Chaired a scientific session in Annual National Conference of Indian Association of Clinical Psychologist, held at AIIMS, New Delhi in the month of Jan. 2013
- Chaired a session in the National Seminar on Trauma & Mental Health, organized by Dept. of Psychology, Jamia Millia Islamia, New Delhi in the month of March 2013
- Participated in a Seminar organized by OP Jindal University on 24 April 2013 on 'School mental health beyond SLD' as a resource person and delivered a lecture on the topic.

Dr. Vibha Sharma

- Invited as Resource Person in the Workshop on "Development of Self Help Aid for Managing Routine Challenges of Soldiers" on 23 August 2012 at Defence Institute of Psychological Research (DIPR), Delhi
- Invited as Resource Person in "Mainstreaming Children with Disabilities" sponsored by DOPT, Govt. of India, organized from August 27-30, 2012 at Haryana Institute of Public Administration (HIPA), Gurgaon.
- Invited as Resource Person to deliver an Extended lecture on Clinical overview of Psychological Disorders on 17th & 18th Sept. 2012, at Bhim Rao Ambedkar College (University of Delhi).
- Invited as a Resource Person in National Seminar on 28th Sep. 2012 at D. J. College, Barhau.
- Invited as Resource Person to deliver a lecture on "*Psychological indicators of deviant behaviours: Stress and anxiety among adolescence, Mood swings and emotional changes, School bullying, ADHD, Risk taking behaviour in adolescents*" on 27 Nov 2012 in *Training for Trainers Programme under Military leadership Behavioural Training* during 19th Nov. to 28th Dec. 2012, organized by Defence Institute of Psychological Research (DIPR), Delhi and Army Training Command (ARTRAC), Shimla.
- Invited as Resource Person to deliver a lecture on "Counseling for Alcohol and Substance Abuse" on 30th Nov. 2012, in a program on '*Training of Senior Army Officers in Counseling*' from 19 November 2012 to 07 December 2012 organized by Defence Institute of Psychological Research, Delhi.

- Invited as Resource Person in the National Annual Conference of Indian Association of Clinical Psychologists, held at AIIMS, Delhi during Feb. 18th to 20th, 2013.
- Invited as a member of the Board of Studies/ Expert Committee for Psychological Sciences, Central University of Bihar, Patna, on 22nd & 23rd February, 2013.

Dr. Naveen Grover

- Speaker in the symposium entitled 'Clinical Psychology in India: Training and Supervision' in NACIACP from 18-20 Feb 2013 held at AIIMS, New Delhi.
- Chaired a free paper session entitled 'Cognitive behaviour therapy' in NACIACP from 18-20 Feb 2013 held at AIIMS, New Delhi.
- Speaker in the Symposium on "Experience and Management of Trauma" in the seminar on "Psychology of Trauma: Women & Children in Violent Conflict" held at Jamia Millia Islamia, New Delhi, from 13th to 14th March, 2013.

Dr. Ruchi Varma

- Invited as guest lecturer at the National Institute of Public Cooperation and Child Development, Delhi on 25th October 2012, for students of Advanced Diploma in Child Guidance and Counseling.
- Participated in the 2nd National Conclave of NABH Accredited HCO's held at USI Delhi from 17th to 18th November 2012.
- Participated in the Workshop on Behavioural Medicine: An update held at NIMHANS. (Bangalore) on 14th December 2012.

- Invited as Guest of Honour in the 2nd National Conference of the Association of Indian School Counsellors and Allied Professionals at National Science Centre. (Delhi) from 17th - 18th December 2012.
- Invited as Guest Speaker on Management of Behavioural and Emotional Problems at Dr. Ambedkar College. (Delhi) on 1st February 2013.
- Attended the 39th Annual National Conference of the Indian Association of Clinical Psychologist held at AIIMS. (Delhi) from 18th – 20th February 2013.

Jagdish Sadiza

- Participated in the Workshop on Emotional and Behaviour Problems among Children. Conducted during the Mental Health Awareness Week (October 9th to 16th, 2012) on October 12th, 2012.
- Member of the Inspection Team for Inspection of ThreeChildren Homes in Delhi with the team members of National Council for Protection of Child Rights (NCPCR) and Judicial Officer of DSLSA on June 14th, 16th & 18th, 2012.
- Participated in the Seminar on Perspective of Various Stakeholders in Mental Health Care on October 9th 2012 at India International Center, New Delhi. Assessment of training institute Government Medical College and Hospital (GMCH), Chandigarh, for training program Phil. Clinical Psychology on October 17th & 18th, 2012.
- Member of the Inspection Team for Inspection of Second Round of Three Children Homes in Delhi with the team members of National Council for Protection of Child Rights (NCPCR) and Judicial Officer of DLSA on November 7th & 8th 2012.

- Participated as a Psychologist in the Interview Board of Director general Border Security Forces for the selection of Assistant Commandant on August 19th, 20th, 21st and 24th 2012, BSF Head Quarters, New Delhi.
- Paper titled "Group Cognitive Behaviour Therapy in the management Of Compulsive Masturbation" presented in the 39th National Annual Conference of Clinical Psychologists from 18th to 20th February, 2013 at AIIMS, New Delhi.

Dr. Manisha Jha

- Participated and presented paper titled "Dissociative Fugue: Identification and Intervention" in 39th Annual conference of Indian Association of clinical Psychology held at AIIMS from 18th to 20th February, 2013.

Supervision of Research Dissertations

List of Dissertations (2010-2012)

#	Title/Topic of Proposal	Candidate	Guide
1	Patterns of child and adolescent mental health service utilization by legal agencies	Amrita Pain	Uday K. Sinha
2	Cognitive and emotional processing of traumatic events by psychologically disturbed adolescent girls	Ananya Sinha	Uday K. Sinha
3	Understanding parents' reasoning and decision making process behind preference of a career for their children: an exploratory study	Anisha Juneja	Naveen Grover

#	Title/Topic of Proposal	Candidate	Guide
4	A study of emotional processing and adjustment pattern in patients with dissociative disorder	Asia Niyaz	Uday K. Sinha
5	A study of psychological variable in the patients of Parkinson's disease	Deepika Srivastava	Vibha Sharma
6	A study of depression and anxiety in mothers of mentally retarded children	Johny EV	Uday K. Sinha
7	A study of predictors of suicidal ideation in teenagers	Joginder Kairo	Naveen Grover
8	A study on effectiveness of positive psychotherapy with alcohol dependents (currently abstinent)	Kirandeep Kaur	Vibha Sharma
9	A study of predictability (strength of association) of IQ and SQ assessment tools currently in use	Lovika P. Shikhu	Vibha Sharma
10	Study of the care givers' burden, stress, and quality of life in primary caregivers of patients suffering from OCD	Mansi Verma	Uday K. Sinha
11	Short-term effects of parent assisted social skills training for children with having attention deficit hyperactive disorder	Parisa Jijina	Uday K. Sinha
12	The relationship between marital quality of life in couples and internalizing/externalizing problems in their children	Payal Chokar	Uday K. Sinha

#	Title/Topic of Proposal	Candidate	Guide
13	Cognitive impairments in HIV positive patients on antiretroviral therapy	Poonam Gupta	Vibha Sharma
14	The role of childhood parental bonding in adults' life	Smita Arora	Naveen Grover
15	Psychological problems(depression, anxiety, well -being) along with quality of life in cerebrovascular disorder (stroke)	Simran Bedi	Vibha Sharma
16	A study of perceived expressed emotion and hopelessness in persons with depressive disorder	Ujjwal Sharma	Uday K. Sinha

DEPARTMENT OF PSYCHIATRIC SOCIAL WORK

The department of Psychiatric Social Work is engaged in providing various psychosocial interventions to clients with psychiatric and neurological disorders both at the Out Patient and in patient level. The activities are mainly focused on the Psycho-social assessment of the patients and their families, designing individualized and comprehensive treatment plan and providing the appropriate social work interventions. The department, as a part of the multidisciplinary set up, works with individuals, formal and informal caregivers of patients, their family members, communities & groups, and also various governmental and non-governmental organizations. The services aim at assessing the strengths and abilities of mentally/neurologically ill persons and their families and providing them with crisis-intervention, psycho-education, life skills/ social skills training and rehabilitation counseling. The department is actively involved in resource mobilization and has tapped various community resources for the welfare and benefit of the patients.

The department is actively involved in finding solutions to various psychosocial and legal problems pertaining to the different clientele by conducting individual, group and family sessions, conducting home visits, establishing collateral contacts and networking with various welfare and legal agencies so as to help persons with mental illness lead a life of dignity and worth.

Rehabilitation being one of the core activities of Psychiatric Social Work profession, the department is actively involved in the process of discharge of patients and their reintegration into the community/society. Rehabilitation of the patients is carried out upon assessment of the available family/community resources, liaison with the families of such individuals, their employers, Governmental, non-governmental organizations and law enforcement agencies.

Hospital Services

The Department of Psychiatric Social Work actively engages in providing psychosocial care to patients and their family members both visiting the out-patient department as well as those admitted as in-patients. The Department provides a range of services such as Case Work and Group Work services, Family Intervention, Rehabilitation and other services like referral and liaison with various government and non-government organizations for the welfare of patients and their family members. In the year 2012-2013, the department provided Case Work services which includes Psycho education, Life Skills Training and Crisis Intervention to 6545 patients; Group Work Services to 888 patients and Family Intervention in the form of family assistance, counselling and Home Visits to 4362 family members. Similarly, psychiatric rehabilitation services were provided to 4329 patients and referral and liaison services to 1864 patients and families. Other services such as guidance, general counseling, Income and Disability Assessment were offered for 1042 patients during the said year. A total of 19 NGOs were visited by the department in the said year.

Specialty Clinics

The department also provides the above services to patients and family members visiting the Speciality Clinics such as Drug Addiction and Rehabilitation, Mental Retardation, Child and Adolescent Mental Health clinic run at the Institute. A total of 1921 persons were provided with de-addiction counseling, 210 clients with mental retardation and 478 clients and families with child and adolescent mental health problems in these specialty clinics during the year 2012 – 2013.

Other Departmental Activities

Picnic for long-stay patients: The department every year organizes picnic activities for long stay in-patients who are stabilized and fit to venture out with supervision. These picnics are planned to provide recreation, enhance social skills and facilitate

reintegration back into the community. During this year the department organized two picnics to Lodi Gardens and Indraprastha Park during the winter season of 2012-2013.

National festivals: The department routinely coordinates celebration of National Festivals in the institute. In the same lines, this year Republic Day and Independence Day were celebrated involving staff, students, patients and their families.

Teaching and Training

- The department provides Field Work and Block Placement training to Postgraduate and Graduate students of Social Work from various Institutes or Universities all over India. Nearly 15 students have undergone their training in the Department for the year 2012- 2013.

Research

Mr. Pravin Yannawar

- Co-investigator in NACO sponsored multi-centred project "Mental health morbidity and Psycho-social needs of persons living with HIV/AIDS".

Seminars/ Symposia/Conferences Attended / Papers Presented

Jahanara M. Gajendragad

Presented a paper in the National Seminar on "Creating safety nets for Adolescents and Youth" to be held at Tata Institute of Social Sciences, Mumbai from 18th – 20th February, 2013

Attended the International Conference on "Rural empowerment and Sustainable Development" held by the Centre for Counselling and Guidance, Sree Saraswathi Thyagaraja College, Pollachi, Coimbatore on 27th & 28th March, 2013.

Workshops/Public Seminars/Meetings Conducted/ Participated in:

Jahanara M. Gajendragad

- Participated in the Meeting organized by Special DGHS (PH) on the subject of enhancing Transport allowance for central government employees at Nirman Bhawan, on 24th July, 2012.
- Participated in the meeting organized by Special DGHS (PH) regarding preparing manual for doctors as part of NMHP activities in August, 2012.
- Attended the Workshop organized by National Disaster Management Authority in November, 2012 to evaluate efforts made by various Institutes as part of Disaster Management activities.

Pravin B. Yannawar

- Participated in Public Seminars and Round Table Discussions on "Perspective of Various Stake Holders in Mental Health Care" held at India Habitat Centre on 9th October, 2013.
- Participated in "2nd National Conclave for accredited Health Care Organisations", organised by National Accreditation Board for Hospital & Healthcare Providers, Quality Council of India, which was held at Vasant kunj, New Delhi on 17-18th November, 2012.
- Actively participated in Brain Awareness Week, organised by IHBAS during 12-19th March, 2013.

Invited as Experts/ Resource Persons

Dr. Jahanara M. Gajendragad

- Invited as an External Examiner for the M.Phil Psychiatric

Social Work Final exam and Viva Voce at Central Institute of Psychiatry, Ranchi in April 2012.

- Invited as a Resource person to offer Guest Lecture on orientation of Social Work students to Mental Health Setting at the department of Social Work, University of Delhi August, 2012.
- Invited for the Board of Studies Meeting at LBBR Institute of Mental Health, Tezpur, Assam on 19th November 2012.
- Invited for a 4-day (20 lectures) Guest Lecture series by LGBRIMH, Tezpur from 20th – 23rd November, 2012.
- Was a Paper setter for the M.Phil- Psychiatric Social Work examination at PGIMS, Rohtak in April 2012.
- Invited by the organizers of the International Conference on “Rural empowerment and Sustainable Development” held by the Centre for Counselling and Guidance, Sree Saraswathi Thyagaraja College, Pollachi, Coimbatore to be a Resource Person to conduct a Workshop on 'Advanced Skills for Social Workers' on 27th March, 2013 and also be one of the Panelists in the International Panel Discussion on Rural Adolescent girls and their health concerns' on 28th March, 2013.

Saswati Chakraborti

- Invited for a guest lecture in Department of Social Work, University of Delhi on 'Field Work Supervision' for MSW students in the month of March, 2013.

- Was invited as resource person by Chetanalaya, an NGO to address forty (40) parents of children with special needs on “Mental illness and Epilepsy” at Sunder Nagari on 21st February, 2013.

Other Field Action Activities:

Jahanara M. Gajendragad

Was a part of the IHBAS team that conducted the Inspection on Govt.& NGO run childrens' Homes as per the directives of the High Court of Delhi to assess the living conditions, safety & security, health & mental health aspects of the children residing there. Report submitted to National Commission for Protection of Child Rights(NCPCR) in July, 2012.

Saswati Chakraborti:

Was a part of the IHBAS team that conducted the Inspection on Govt.& NGO run childrens' Homes as per the directives of the High Court of Delhi to assess the living conditions, safety & security, health & mental health aspects of the children residing there. Report submitted to National Commission for Protection of Child Rights(NCPCR) in July, 2012.

DEPARTMENT OF NEUROCHEMISTRY

The Neurochemistry Department was established with the objective of providing routine and specialized investigative facilities in diagnosis and management of Neuro-psychiatric disorders. In last 10 years, the Neurochemistry laboratory was upgraded from semiautoanalyser to fully automated autoanalyser. The complete automation of the laboratory led to improved performance of the biochemical testing. The department initiated Internal and External Quality Assurance Program to further improve the quality of the laboratory, so that its performance matches with the various laboratories at national and international level. Neurochemistry department has upgraded its laboratory as per requirement of the institute. The thyroid hormone assay was upgraded from ELISA to ECLIA. It has also started the screening for metabolic disorders, in addition to specialized tests required specifically in the neuropsychiatric setting.

Overview of the Scope of Services

The Department extends various biochemical investigations to patients attending IHBAS for treatment. The routine investigations performed in the lab are blood glucose, kidney function tests, liver function tests, lipid profile, uric acid, calcium, phosphorous, chloride, CPK isoenzymes, electrolytes, CSF biochemistry, 24 hours urinary protein, creatinine clearance, glycosylated haemoglobin, gamma glutamyl transferase, amylase, lipase and acid phosphatase. Specialised investigations performed are Thyroid function tests, folic acid, Vitamin B-12, ammonia, lactate, copper and screening for aminoacidurias.

Highlights of Major Achievements

Patient Care Services

Neurochemistry department has upgraded its Fully Automated

Biochemistry Analyser. Now the laboratory has Beckmann Coulter AU 480 autoanalyser from Olympus Pvt. Ltd. This is a higher and latest version of previous autoanalyser.

Teaching and training

- Ph.D thesis entitled "A Study on Candidate Gene Polymorphism and Environmental Exposure in Neurodegenerative Disorders: Alzheimer's disease and Parkinson's disease" is going on in the department under Delhi University.
- Ph.D thesis entitled "Comparative Evaluation of Newer Biodosimetric approaches to assess Acute Radiation Damage" is going on in the department under Delhi University.
- The department is actively involved in teaching of M.Phil Clinical Psychology students and training of B.Sc, M.Sc. (Biotechnology), DMLT students as part of their summer training/dissertation program.

Research

- **Ph.D thesis (on going):** "A Study on Candidate Gene Polymorphism and Environmental Exposure in Neurodegenerative Disorders: Alzheimer's disease and Parkinson's disease"
- **Ph.D thesis (on going):** "Comparative Evaluation of Newer Biodosimetric approaches to assess Acute Radiation Damage"
- **MD thesis (on going):** "A study on the thyroid abnormalities and its effects on quality of life in cases of depressive disorder"

- **MD thesis (on going):** "Prothrombotic factors in megaloblastic anemia and effect of treatment"

Future Plans

Department is in process of submitting projects with the collaboration of other institute.

- Project entitled "Role of candidate genes in vascular Cognitive Impairment, Mild Cognitive Impairment and Alzheimer's disease: Defining the common genetic markers and pharmacogenetics" submitted in DBT with collaboration of the IHBAS, AIIMS and IGIB, Delhi.
- Project entitled "nNOS and iNOS gene polymorphism & expression in Zebrafish model of AD" Recommended for fund by DBT under BIO-Care scheme with collaboration of the IHBAS and INMAS, Delhi.

Dr. Neelam Chhillar, Associate Professor and Head

Publications

International Indexed Journals

- Singh N, Chhillar N, Banerjee B, Bala K, Basu M, Mustafa M. Organochlorine pesticide levels and risk of Alzheimer's disease in north Indian population. Hum Exp Toxicol. 2013 Jan; 32(1):24-30.
- Sarbjeet Khurana, Neelam Chhillar, Vinod Kumar Singh Gautam. Inventory control techniques in medical stores of a tertiary care neuropsychiatry hospital in Delhi. Health. 2013; 5(1): 8-13.
- Singh NK, Chhillar N, Banerjee BD, Bala K, Mukherjee AK, Mustafa MD, Mitrabasu. Gene--Environment Interaction in

Alzheimer's Disease. Am J Alzheimers Dis Other Dement. 2012 Nov; 27(7):496-503.

- Neelam Chhillar, Sarbjeet Khurana, Rachna Agarwal, Deepika Sharma. Relation between serum GGT, fasting plasma glucose and lipids in a hospital based study. Novel Science International Journal of Medical Sciences. Vol 1, No 4 (2012).

National Indexed Journals

- Kumar V, Aggarwal A, Sharma S, Chillar N, Mittal H, Faridi MM. Effect of Carbamazepine Therapy on Homocysteine, Vitamin B12, Folic Acid Levels in Children with Partial Epilepsy. Indian Pediatr. 2012 Nov 5. pii: S097475591200685. [Epub ahead of print]

Contributions

Participation in International/National Conferences (Abstract Published)

- Pesticides in Alzheimer's & Parkinson's disease. Invited speaker in SNCI-2013, AIIMS New Delhi, during 21st-23rd February 2013.
- 61st Annual Conference of Neurological Society of India, Leela Kempinski, New Delhi, 19th – 22nd December 2012.
- "Beta Hexachlorocyclohexane (β -HCH) and risk of Alzheimer's disease and Parkinson's disease" in International Conference on Biological and Life Sciences (ICBLS 2012), 23rd to 24th July 2012 at Singapore.

Dr Rachna Agarwal, Associate Professor

Publications

- Sharma S, Mukherjee S, Kumar N, Prakash A, Tabassum F, Agarwal R, Kumar K. Relationship between carbamazepine concentration and dose in North Indian population. *Pharmacologia* 3 (7): 190-195, 2012
- Agarwal R, Chhillar N, Mishra VN, Tripathi CB. Tau and Amyloid β 42 levels in Alzheimer's Disease- A Meta-analysis. *Advances in Alzheimer's Disease* 3 (1): 30-44, 2012.
- Chapter Vitamin B12 & Folate in Dementia in Food and Nutritional Components in Focus No. 4 B Vitamins and Folate: Chemistry, Analysis, Function and Effects, Edited by Victor R Preedy, The Royal Society of Chemistry 2013, Published by the Royal Society of Chemistry.

Conferences Attended

Participation in International/National Conferences (Abstract Published)

- 7th National Quality Conclave. Improving Quality of Public Services: The Role of Public & Private Sectors at Hotel Le-Meridian, New Delhi, 27-28, 2012.
- 15th Summer School of Myology, June 21-29, 2012 at Institut de Myologie, Hôpital de la Salpêtrière, Paris, France
- 65th Annual National Conference of the Indian Psychiatric Society, ANCIPS- 2013 at NIMHANS, Bangalore, 10-13 January, 2013.

Others

- Appointed as Consultant by Project Concern International, New Delhi to review the State Reference laboratory for HIV testing reassessment reports.
- As Technical Assessor (Clinical Biochemistry) assessed following laboratories on behalf of NABL
 - Ganesh Patholgy Labs, Delhi on 7-8 April, 2012
 - Yashoda Super Specialty Hospital, Ghaziabad on 19-20 May, 2012
 - Surbhi Hospital, NOIDA on 11-12 August, 2012
 - Tirath Ram Shah Charitable Hospital, Delhi on 20-21 September, 2012
 - Mata Chanan Devi Hospital, New Delhi on 1-2 December, 2012
 - Sarvodya Hospital Laboratory, Faridabad on 19-20 January, 2013

DEPARTMENT OF MICROBIOLOGY

The department of Microbiology at IHBAS came into existence with joining of Dr. Rajeev Thakur in January 1997 with the aim to establish clinical services in diagnostic microbiology as well as to deal with the understanding of pathogenesis of CNS infections due to variety of neuropathogens namely bacteria, viruses, parasites and fungi. The department has the following objectives:

- To provide clinical diagnostic services in microbiology and thus contributing to clinical management of CNS infections
- To impart teaching and training to PG resident doctors, nursing and paramedical professionals
- To conduct applied research with special reference to infections of the CNS and Neuropsychiatric disorders
- To plan, organize, implement and integrate infection prevention and control practices for all health care activities in the hospital

First few years of its inception saw its growth in terms of planning and organization of manpower, and other resources including physical space for laboratories. Since then the department has been evolving through the phases from a hospital diagnostic laboratory to a tertiary care diagnostic and reference laboratory in microbiology coupled with teaching, training and research components. The department got strengthened by joining of Dr. Renu Gupta as Assistant Professor of Microbiology in August 2008. At present the department is well equipped and has separate well developed diagnostic sections for Bacteriology; Mycobacteriology; Serology, Immunology and HIV; Parasitology and Mycology; and for Molecular microbiology.

The department focuses at providing quality clinical diagnostic services in microbiology coupled with Continuous Quality Improvement in order to meet all diagnostic needs of the institute for a variety of neuropathogens. For this the department has also been participating in some external quality assurance programs. Since 2008, the molecular microbiology section of the department has been serving as a reference laboratory for HIV viral load monitoring for the designated ART centres of NACO for the second line ART therapy. With this collaboration with NACO, the department is also making an active contribution towards the national health program (NACP) of India.

Another key activity of the department is leadership, coordination and implementation of Infection Prevention and Control (IPC) program including Biomedical Waste Management (BWM) at IHBAS by which it is contributing not only to environment, health care worker and patient safety but also to achieving quality health care at IHBAS.

The department actively contributes in teaching and training program for PG resident doctors, nurses and laboratory professionals. In addition the department conducts teaching and training activities in Infection Prevention and Control and BWM for all health care professionals at IHBAS.

Over the past several years, the department has been involved in various in-house applied research activities. Currently, good progress is being made on an ICMR funded extramural multicentric research project on 'Molecular diagnosis and characterization of drug resistance genes in *M. tuberculosis* from patients of TBM and its correlation with host factors' in collaboration with department of Neurology, IHBAS and other departments of prestigious hospitals in Delhi.

An Overview of the Scope of Services

- Conventional and molecular diagnostic services for variety of pathogens responsible for CNS and other bodily site infections
- Infection Prevention and control including BWM and surveillance of health care associated infections
- Teaching and training to PG resident doctors, nursing and paramedical professionals
- Applied research with special reference to infections of the CNS and Neuropsychiatric disorders

Highlights of Major Achievements So Far

Patient Care Services

- The department is well equipped and has separate well developed diagnostic sections for Bacteriology; Mycobacteriology; Serology, Immunology and HIV; Parasitology and Mycology; and for Molecular microbiology. In the year 2012-13 the department conducted about 8900 diagnostic tests for diagnosis of CNS and other bodily site infections.
- The molecular section of the department is also serving as a reference laboratory for HIV viral load monitoring for NACO's designated ART centers.
- The department coordinates and implements Infection Prevention and Control (IPC) program including Biomedical Waste Management (BWM) at IHBAS by which it is contributing not only to environment, health care worker and patient safety but also to achieving quality health care at IHBAS.

Teaching and Training

- Participated in institute's teaching and training program for PG residents, and conducted training program for nursing and paramedical professionals in infection prevention and control and BWM.
- Participated in institute's interdepartmental teaching activities during the year.

Research

ICMR funded multicentric research project on 'Molecular diagnosis and characterization of drug resistance genes in M. tuberculosis from patients of TBM and its correlation with host factors' was initiated in 2012-13.

Future Plans (Immediate)

- Maintenance and strengthening of existing services
- Working towards a comprehensive solution for molecular diagnosis and molecular basis of drug resistance in tuberculosis
- Standardization of molecular diagnosis of HSV encephalitis

Publications

Papers

National indexed journals

- Kushwaha S, Hardeep M, Garg S, Maheshwari S, Malik S, Goyal R. Central pontine Myelinosis (CPM): an atypical presentation of HIV. J of Neurological Research. 2012; 2: 59-61.

Others (Manuals/Reports/Newsletters)

- HIC Newsletter – half yearly publication
- Microbiology Newsletter – half yearly publication

Participation in International/National Conferences

- Dr. Rajeev Thakur and Dr. Renu Gupta participated in Annual National conference of Indian Association of Medical Microbiologists (MICRCON 2012), from 22-25 November, 2012 held at New delhi.
- Dr. Renu Gupta participated in advanced course and workshop on “Genomics and clinical Microbiology” in Welcome trust genomic campus (Sangers Institute) from 20-25 January, 2013 in Hinxton, Cambridge, UK
- Dr. Renu Gupta participated in workshop on patient safety and biomedical waste management on 26 -27 Feb, 2013 held at Directorate of Health services, Delhi
- Dr. Rajeev Thakur and Dr. Renu Gupta participated in Delhi Chapters quarterly meets of IAMM held at New Delhi.

Professional affiliations

Dr Rajeev Thakur

- Indian Association of Medical Microbiologists (IAMM) and Delhi State Chapter of IAMM
- Hospital Infection Society of India (HISI)
- Alliance for Prudent Use of Antibiotics (APUA)
- Japan International Cooperation Agency (JICA), India
- WHO Temporary Adviser for IPC Training Program
- FMS Alumini Association of India

Dr. Renu Gupta

- Indian Association of Medical Microbiologists (IAMM) and Delhi State Chapter of IAMM
- Hospital Infection Society of India (HISI)
- BWM Society of India
- Indian Medical Association (IMA)

New initiatives (Patient care services, Academic courses/ Research activities)

Work on ICMR funded multicentric research project on 'Molecular diagnosis and characterization of drug resistance genes in M. tuberculosis from patients of TBM and its correlation with host factors' took off in 2012-13 with Dr. Renu Gupta and Dr. Rajeev Thakur from the department in collaboration with department of Neurology, IHBAS and other departments of prestigious hospitals of Delhi.

DEPARTMENT OF PATHOLOGY

Department of Pathology forms an important component of the diagnostic services available to patients of IHBAS. It also provides neuropathology services to patients referred from other government hospitals. The department is equipped with well maintained quality instruments and has a well trained manpower. NABH guidelines are followed for all procedures.

HOSPITAL SERVICES

During the year 45,594 investigations were conducted on 20,548 patients. Approximately 180 referred samples were also received from other government hospitals. Facilities for the following tests are available: Hematology- Hemogram with ESR, cell counts, packed cell volume, mean corpuscular volume, mean corpuscular hemoglobin, mean corpuscular hemoglobin concentration, erythrocyte sedimentation rate, reticulocyte count, osmotic fragility test, sickling test, screening for G6PD deficiency, blood group, bleeding and clotting time, blood and bone marrow examination; Cytology- Fine Needle Aspiration Cytology, & body fluid analysis (Urine, CSF, pleural and ascetic fluid); Histopathology- diagnostic facilities for neuromuscular disorders and CNS tumours. This includes enzyme and immunohistochemistry on a regular basis.

Dr A Gupta, Associate Professor of Pathology is the officer in charge-1 of Emergency Lab, Sample Collection Room in the OPD and Blood Storage Unit (BSU). Dr I Pant, Assistant Professor of Pathology is officer in charge-2 of BSU and member Nodal Officers Group for NABH standards' implementation.

PARTICIPATION/PRESENTATION IN CONFERENCES/WORKSHOPS

- Dr S Chaturvedi participated in Asian Society for Neuro-oncology conference, Mumbai, March 21-24 2013

- Dr S Chaturvedi and Dr I Pant participated in Neurocon 2012, Delhi, December 19th -22nd, 2012.

Paper presented: Chaturvedi S, Pant I, Bala K, Kushwaha S. Clinical and histopathological spectrum of muscle disorder patients: eight year experience at IHBAS, Delhi.

- Dr S Chaturvedi and Dr I Pant participated in Indian Society of Neuro-oncology conference 2012, NIMHANS, Bangalore, April 06th -08th, 2012.

Paper presented: Pant I, Chaturvedi S, Kumari R, Dua R, Gupta S. Central Nervous System (CNS) tumours: Radiologic Pathologic Correlation and Diagnostic Approach.

- Dr S Chaturvedi and Dr I Pant participated in DNACon, Delhi, February 20th -21st 2013.

Paper presented: Pant I, Chaturvedi S, Bala K, Kushwaha S. Histopathological spectrum of muscle biopsies: our experience.

- Dr A Gupta participated in Neuropathology conference 2013 (Recent advances in Diagnostic Neuropathology), G.B.Pant Hospital, New Delhi, February 1st - 2nd, 2013.
- Dr A Gupta participated in 6th Annual CME on Blood Transfusion, AIIMS, New Delhi. February 22nd, 2013.
- Dr A Gupta participated in Seminar on rationale use of blood and blood products, UCMS & G.T.B. Hospital, Delhi, March 22nd, 2013.

Publications

- Agarwal R, Chaturvedi S, Chillar N, Pant I, Kaushik S, Tripathi CB. A trend analysis of quality indicators of patient safety in

the clinical laboratory over 21 months. *Lab Medicine* 2012; 43: 300-306

- Gupta A, Bansal S, Chaturvedi S. Primary Ewing's Sarcoma of frontoparietal bone with major soft tissue extension: an unusual presentation and review of the literature. *Case reports in Pathology*. 2012:1-3.
- Rai D, Malhotra HS, Garg RK, Kushwaha S, Chaturvedi S, Kumar N. Hamstring lump in two muscular dystrophies: A novel observation. *Neurol India* 2012; 60: 431-32
- Agarwal R, Chaturvedi S, Chhillar N, Goyal R, Pant I, Tripathi CB. Role of intervention on laboratory performance: evaluation of quality indicators in a tertiary care hospital. *Indian J Clin Biochem*. In press
- Gupta A, Dua R, Momin M. Isolated Pituitary tuberculoma masquerading as Pituitary adenoma- a case report. *The Indian Practitioner*. 2012;6:365-67.
- Gupta A, Mathur SK, Gupta A. Correlation of histological dating and glycogen content by histochemical stain during various phases of menstrual cycle in primary infertility. *Open journal of Pathology* (in press).
- Chaturvedi S, Pant I, Dua R, Gupta SK. Analysing agreement patterns of intraoperative CNS lesion reporting according to type and grade: experience at a new set up. *Journal of Cytology* (in press)
- Pant I, Chaturvedi S, Dua RK, Gupta SK, Kumari R. Paediatric Cemento-ossifying fibroma. A report of two cases and Review of literature. *Clinical Neuropathology* (in press)

Teaching, training and research activities

- Dr S Chaturvedi delivered a lecture 'Approach to muscle biopsy interpretation', dept of Pathology, UCMS, Delhi, September 27th, 2012.
- Dr S Chaturvedi and Dr I Pant conducted a slide conference for postgraduate students of Dept of Pathology, UCMS, Delhi, 9th November, 2012.
- Dr S Chaturvedi delivered a lecture on 'Neuropathology of degenerative dementia (Alzheimer's disease) for students of MD (Psychiatry) and DM (Neurology) at IHBAS, March 7th, 2013 as part of Allied Sciences Teaching Schedule.
- Dr A Gupta delivered lecture on Brain tumors on 16th March, 2013 at Acharya Bhikshu Hospital, Moti Nagar, Delhi as part of Brain Awareness week activity from 12th -19th March, 2013.
- Dr A Gupta was invited as external examiner for BDS IInd year at Manav Rachna Dental College, Faridabad on January 10th, 2013.
- Dr A Gupta imparted training about Blood transfusion, Emergency Laboratory and hands on training of sample collection to Nursing staff, technical staff and Resident doctors.
- Dr I Pant delivered a lecture on 'Neuropathology of Developmental diseases' for students of MD (Psychiatry) and DM (Neurology) at IHBAS, March 7th, 2013 as part of Allied Sciences Teaching Schedule.
- Dr S Chaturvedi is working as a co-investigator in ICMR funded project entitled "Development of a model system for

quantitative microwave exposure to experimental animals for studying behavioral, biochemical, immunological and genotoxic effects”

- Students of DM Neurology are posted in the department for a two week training in neuropathology
- Short term training to DMLT & B Tech (Biotechnology) students from other institutes like Institute of Professional Studies & Research, Chatarpur, New Delhi; Shaheed Rajguru College of Applied Sciences for Women, University of Delhi; Institute of Paramedical & Management Technology, Anand Nagar, Indeerlok, New Delhi. was imparted by the department so as to enable them to independently handle basic diagnostic techniques pertaining to pathology.

New initiatives

As In-charge of Blood Storage Unit, started Blood Storage Unit under supervision of HOD Pathology on 9th October, 2012 and actively monitored NABH core indicators of Blood transfusion and prepared blood donation information booklet.

DEPARTMENT OF NEUROPSYCHOPHARMACOLOGY

The Dept. of Neuropsychopharmacology has the state-of-the-art facility for therapeutic drug monitoring (TDM). Routine Therapeutic drug Monitoring (TDM) services were provided for Lithium & antiepileptic drugs namely phenytoin, carbamazepine, valproic acid & phenobarbitone in lowest turnaround time. TDM is a practical and invaluable tool in patient care & research. It can help the physician provide effective and safe drug therapy in patients who need medication. TDM is important to identify drug interactions, toxicity & for effective management of epilepsy & Bipolar affective disorder. The dept. is one of the major provider of this TDM service in North India. In addition the department also provided plasma Homocysteine level estimation in neurological disorders & research purposes. The Dept. is well equipped with latest instruments viz, High Pressure Liquid Chromatography with UV and EC detector, automated analyser & electrolyte analyser besides other basic equipments.

Scope of Services

Routine therapeutic drug monitoring (TDM) was provided for Lithium & antiepileptic drugs namely phenytoin, carbamazepine, valproic acid & phenobarbitone. In addition, the department also provided plasma Homocysteine level estimation for research purposes. During the period from 1st April 2012 till 31st March, 2013 a total of 9344 tests were done. The dept. is enrolled in the External Quality Assurance Program (EQAP) from BioRad.

Professional Achievements

- Member, National Initiative for Allied health Sciences entitled "From 'Paramedics' to Allied Health Professionals: landscaping the Journey and Way Forward". A Report Commissioned by the Ministry of Health & Family Welfare, Government of India and Public Health Foundation of India. 2012.

- Member, Ethics Committee, National AIDS Control Organization (NACO), Ministry of Health & Family Welfare, Government of India since September 10, 2008- to till date.

Special Trainings Received

- Pursuing MBA (HCA) from Faculty of Management Studies, Delhi University, July 2010 -2013

Teaching and Training

Co-supervisor MD Course

- Thesis entitled "Comparative efficacy of IV levetiracetam and IV phenytoin in childhood seizures – a randomized control trial" registered in Department of Paediatrics, GTB Hospital registered under University of Delhi session: 2012 - 2015.
- Thesis entitled "Prothrombotic factors in megaloblastic anemia and effect of treatment" registered in Department of Paediatrics, GTB Hospital registered under University of Delhi session: 2012 - 2015.

Publications

Books

- Manual of Standard Treatment Guidelines, Haryana jointly published by Delhi Society for Promotion of Rational Use of Drugs, Haryana State Health Resource Centre, Government of Haryana and United India Periodicals Pvt Ltd, , New Delhi, Sangeeta Sharma, GR Sethi, Usha Gupta (eds), 1st Special edition, 2013.
- Standard Treatment Guidelines jointly published by Delhi Society for Promotion of Rational Use of Drugs, Government of Rajasthan and BI Publications, New Delhi, Sangeeta Sharma, GR Sethi, Usha Gupta (eds), 2nd Special edition, 2012.

Chapter

- Sangeeta Sharma. Promoting Rational Use of Medicines. YP Munjal (Editor) API Text book of Medicine 9th and 10th edition (under print) Published by the Association of Physicians of India 2012.

Original Articles in International and national Journals

- Kumar V, Aggarwal A, Sharma S, Chillar N, Mittal H, Faridi MM. Effect of Carbamazepine Therapy on Homocysteine, Vitamin B12, Folic Acid Levels in Children with Partial Epilepsy. Indian pediatrics 2013 May 8; 50(5):469-72. Epub 2012 Nov 5.
- Sandeep Grover, Mandaville Gourie-Devi, Kiran Bala, Sangeeta Sharma and Ritushree Kukreti. Genetic association analysis of transporters identifies ABCC2 loci for seizure control in women with epilepsy on first-line antiepileptic drugs. Pharmacogenetics and Genomics 2012, 22:447–465.
- Sangeeta Sharma, Meena Gupta. Drug Cost Containment: Impact of a Drug Policy on Cost and Availability of Essential Medicines. Journal of health management (Accepted for publication April 17, 2013).
- Kiran Bala, S Grover, M Gourie-Devi, S Sharma, R Kukreti. ABCC2 Polymorphism: a Significant association with seizure control in women with epilepsy on first line antiepileptic drugs at 18th International epilepsy Congress Trust jointly organized by Indian Epilepsy Association and Indian Epilepsy Society from February 8-10, 2013 at Hyderabad.

National/Zonal Training Program/Conferences/Workshops

- Expert for Round table discussion for updation of the Essential Drug List of the State of Chhattisgarh, organized by State Health Resource Centre, March 2, 2013 at Raipur.

- Faculty at Consumer Convention “Medication safety” organized by Consumer Coordination Council held on October 5-7, 2012 at Shimla.
- Faculty in a “Rational Drug Usage & Generic Medicines” in a Workshop organized in association with Karnataka Government (ATI, Mysore) at Bangalore, Karnataka on August 27-28, 2012 to showcase innovative practices in Health Sector.
- Invited lecture on “Safe Medication Practices” in 10th Annual Conference of Indian Society for Critical Care organized by Delhi Chapter at New Delhi, August 24, 2012.
- Resource person in an Interactive workshop on “Medication Safety” organized by National Accreditation Board for Hospitals and Healthcare Providers (NABH) July, 2012 at Chennai.
- Resource person in an Interactive workshop on “Medication Safety” organized by National Accreditation Board for Hospitals and Healthcare Providers (NABH) June, 2012 at Lucknow.
- Resource person in an Interactive workshop on “Medication Safety” organized by National Accreditation Board for Hospitals and Healthcare Providers (NABH) May, 2012 at Delhi.
- * Faculty in Training workshop for Pharmacists organized by Maharashtra State AIDS Control Society & National AIDS Control Organization, March 18-20, 2013 at Mumbai.
- * Faculty in the PGDDHM contact programme scheduled from 9th to 15th March 2013 at NHSRC organized by PHRN, March 13, 2013, Delhi.
- * Faculty in workshop on Training programme for Pharmacists on “Rational Use of Medicines” organized by West Bengal State AIDS Control Society & National AIDS Control Organization, March 4-6, 2013 at Kolkata.

EMERGENCY LAB

The emergency lab came into existence on 7th May 2010 headed by OIC- Dr. Anshu Gupta and Dr. Rachna Agarwal as OIC-II. Investigative facilities are available round the clock after routine hours on all working days & 24hrs on Sundays and GHs .The Lab is engaged in providing high quality diagnostic services. To achieve this, the lab has been actively participating in External Quality Assurance programme run by CMC Vellore in clinical biochemistry and by AIIMS in Haematology. There is daily monitoring of results by internal quality control as well.

Hospital Services

The Emergency lab performs various biochemistry and haematology investigations on patients attending IHBAS for treatment. During this year, 27160 tests were done on 5800 patients.

Investigative facilities available are blood glucose, serum electrolytes –sodium, potassium, total calcium, blood urea, serum creatinine,serum ammonia,CSF glucose and protein,creatinine kinase – total,CK-MB,serum lithium, haemoglobin estimation, TLC, DLC, ESR,PS for malarial parasite and platelet count. We have also extended our scope of services and added CSF microscopy, Serum gamma glutamyl transferase and Peripheral blood smear examination

Teaching and Training

The Emergency lab actively participates in the teaching and training programs at IHBAS. Important cases are discussed weekly. It is also involved in teaching and training of Lab staff and senior residents through group discussions, MCQs and power point presentations.

Future Plans (Immediate)

- Full Automation of Emergency lab.
- Introduction of more biochemistry tests (SGOT, SGPT, Serum bilirubin) and hematology tests (Peripheral smear, Reticulocyte count).
- To lay emphasis on research activity.

DEPARTMENT OF EPIDEMIOLOGY

Epidemiology department at IHBAS is presently represented by one Associate Professor and the department is providing support to various clinical and preclinical departments. There are number of projects undergoing in the institute as well as protocols and thesis of MD Psychiatry, M Phil Clinical Psychology & DNB Neurology. It hence appeared imperative to develop an epidemiology lab with few computers which would be instrumental to develop and store the research protocols and analyze the data. As per the global burden of diseases, the psychiatric disorders are going to rise in near future and become one of the major contributors of burden of diseases in the world; hence keeping a check on the trend is also essential. Such trends in neuropsychiatry would be displayed in epidemiology lab.

Hospital Services

Community Services

The department conducted:

- Community awareness programs of epilepsy as well as awareness to generate confidence in children suffering from Epilepsy in the adjoining areas of IHBAS, in collaboration with the Neurology department.

Teaching and Training

Dr Sarbjeet Khurana

- Involved in teaching and training of basic and applied aspects of epidemiology to the students of MD Psychiatry, DM Neurology, M.Phil Clinical Psychology and research staff in community projects.

Research

Dr. Sarbjeet Khurana

- Co-supervisor in DM thesis: Clinical profile and outcome of tuberculous meningitis patients' Encephalitis
- Co-Supervisor of a M(Phil) Clinical Psychology thesis entitled '*Psychosocial correlates of patients with Breast cancer*'.
- Co-investigator in the following project: Children with Epilepsy: School Awareness Program – funded by IAE

Symposia /Workshops/ Conference/ Training/CME

- Attended and presented a poster 'Diagnostic and therapeutic challenges in the surgical management of CNS tuberculosis 'at the 15th ICID Conference from 13th June 2012 to 16th June 2012 at Bangkok, Thailand.
- Attended and presented a poster 'ABC and VED Analysis in Medical Store of a Tertiary Care Neuropsychiatry Hospital of North India 'at the 40th IAPSM Conference 2013 at Nagpur.
- *Attended and presented a paper* 'The efficacy of spiritually augmented cognitive behavioral therapy on life satisfaction in the depressed elderly' at the 57th IPHA Conference 2013 at Kolkata.
- Attended a symposium on “World Heart Day” and “IPHA Foundation Day” on 29.09.2012 at VMMC & Safdarjung Hospital, New Delhi.
- Attended series of meetings in DHO Office Shahdara North, in the capacity of Nodal Officer Vector Borne diseases. These meetings are held for review of situations prevailing in the district and for enhancing the monitoring and control of the vector borne diseases.

Professional Affiliations

- Member of 'International Epidemiological association '.
- Life Member of "Indian Association of Public Health".
- Life Member of "Indian Association of Preventive and Social Medicine".
- Life Member of "Indian Journal of Preventive and Social Medicine".
- Member of the Project Review Committee of ICMR Hqrs, New Delhi for the area of Trauma, Accidents and Injuries.

Other Achievements/Administrative Duties

- Officer-in-charge-II, Annual report of IHBAS
- Nodal officer for reporting of Notifiable diseases
- Nodal officer for control of Vector-borne diseases

Research Publications (Books/Monographs/Chapters in

Books/Research)

- Sarbjeet Khurana, Neelam Chhillar, Vinod Kumar, Singh Gautam. Inventory control techniques in medical stores of a tertiary care neuropsychiatry hospital in Delhi. Health, Vol.5, No.1, 8-13 (2013)
- Vinod K.S. Gautam, Ravinder Singh, Sarbjeet Khurana Transient Behavior Abnormality following injury to Splenium of Corpus Callosum during Ventriculoperitoneal shunt Surgery. IOSR Journal of Dental and Medical Sciences (IOSR-JDMS). 03/2013; Volume 5,(Issue 1):PP 26-29.

- Vinod K.S. Gautam, Ravinder Singh, Sarbjeet Khurana. Brainstem Tuberculoma Presenting As Stroke. IOSR Journal of Dental and Medical Sciences (IOSR-JDMS). 02/2013; Volume 4(Issue 6):PP 18-19
- Vinod K.S. Gautam, Sarbjeet Khurana, Ravinder Singh. Primary Calvarial Tuberculosis (PCT) presenting as cold abscess of the scalp: A report of two cases IOSR Journal of Dental and Medical Sciences (IOSR-JDMS). 01/2013; Volume 4(Issue 4 (Jan.- Feb. 2013)):PP 14-17.
- Chhillar, Neelam, Sarbjeet Khurana, Rachna Agarwal, Deepika Sharma"Relation between Gamma-glutamyl transferase (GGT) and Lipids in North India." International journal of medical sciences(No. 4 (2012)).

DEPARTMENT OF BIOSTATISTICS

The department of Biostatistics had been created since the inception of the institute. The department became functional after joining of a faculty member (Assistant Professor) in February 17, 2005. The department is establishing a computer centre to organized training program for statistical software.

Scope of the Department

Biostatistics is the application of statistics to biology, medicine, public health and drug development. The subject is concerned with the design of experiments and surveys, the storing and organization of the data collected and their analysis and interpretation. The character and content of the discipline of Biostatistics has undergone a radical change during the last few decades. From being a passive and descriptive discipline, Biostatistics has emerged as a vigorous, dynamic and constructive instrument of decision making in the area of health and medical care. Powerful and sophisticated statistical techniques of planning and analysis of biological experiments and investigations, and application of operations research techniques in health care delivery have opened up new dimensions and capabilities in medical and health research. In this context, a medical person's training, particularly that of a medical/ health researchers, social scientists and demographer's would be considered incomplete today without a reasonable acquaintance with the potentialities of applications of bio-statistical techniques to enable him/her to plan his/her research studies with scientifically and statistically valid designs and to arrive at valid and meaningful conclusions applying appropriate statistical methods.

Highlights of Major Achievements:

Teaching and training

The department is involved in teaching of Biostatistics and Research Methodology to MD (Psychiatry), DM (Neurology) and M.Phil. (Clinical Psychology) scholars.

Research

- Supervising, M. Phil (Clinical Psychology) dissertation titled "The Study of Temperamental and Body Image Disturbances in Adolescent Girls" as Co-supervisor.
- Supervising, M. Phil (Clinical Psychology) dissertation titled "Study on Stress, Burnout and Marital Adjustment in Delhi Police Constable" as Co-supervisor.
- Supervising, M. Phil (Clinical Psychology) dissertation titled "Emotional Processing, Quality of Object Relations and Alexithymia in Obsessive-Compulsive Disorder" as Co-supervisor.
- Supervising, M. Phil (Clinical Psychology) dissertation titled "Attachment, Intimate Relationship and Psychopathology among Emerging Adults with Psychiatric Disorder" as Co-supervisor.

Publications

Papers

International indexed journals

- Agarwal R, Chhillar N, Mishra VN, Tripathi CB. Tau and Amyloid β 42 levels in Alzheimer's Disease- A Meta-analysis. Advances in Alzheimer's Disease 3 (1): 30-44, 2012.

National indexed journals

- Kumar Rajesh, Jhingan HP, Tripathi CB. Study of Psychiatric Morbidity among the First Degree Relative of Opioid Dependent Patients. Accepted in August 2012, by Indian Journal of Preventive and Social Medicine.

Presentation in International / National Conference (Abstracts published)

Attended the Symposium on the occasion of "World Health Day and Indian Public Health Foundation Day" organized by IPHA, Delhi State Branch, at VVMC and Safdarjung Hospital, New Delhi, held on September 09, 2012.

Guest lectures / Public lectures

- Taught, as Guest Faculty, 03 credit course of Biostatistics to M. Sc. (Immunology/ Virology) students of Amity Institute of Virology and Immunology, Amity University, NOIDA, UP.
- Taught, Research Methodology and Biostatistics in 05 classes, as Guest Faculty, to Postgraduate students of Bakson Homeopathic Medical College, Greater Noida, UP.
- Delivered a guest lecture, as Invited Speaker, on "Study Designs in Medical Research" at National Epilepsy Symposium, organized by Department of Neurology, Institute of Medical Sciences, BHU, Varanasi, held during November 24-25, 2012.
- Delivered a guest lecture, as Resource Faculty, on "Descriptive Statistics and Hypothesis Verification" at CME on Research Methodology, organized by Department of Community Medicine, Maharaja Agrasen Medical College, Agroha, Hisar, Haryana, held on April 11, 2012.

Professional affiliations

- Annual Membership of International Society for Clinical Biostatistics has been awarded.
- Appointed as External Examiner by Controller of Examination, BHU, Varanasi, for the practical & viva-voce examination of M.Sc. (Health Statistics) semester-II, held on May 03, 2012.

DEPARTMENT OF MEDICAL ANTHROPOLOGY

Medical Anthropology encompasses the application of anthropological understanding and methods to address the issues of health, particularly of mental health and illness and its suffering of human beings. It works closely with psychiatry, neurology, clinical psychology, psychiatric social work, Epidemiology, Neurosurgery, other physio/occupational therapists and nursing professional associated to mental health professional's work. In this sense Medical anthropology draws upon socio-cultural, and biological anthropology to better understand those factors which influence mental health and well being, the experiences and distribution of neuro-psychiatric illnesses, mainly Brain-Mind problems and their solutions, the prevention and treatment of sickness, healing processes, the social relations of therapy management, and the cultural importance and utilization of cultural resources for the better mental health care. Since the discipline, as it draws upon many different theoretical approaches. It is as attentive to popular health culture as bio-scientific epidemiology and the social construction of knowledge. Medical anthropologists examine how the health of individuals, larger social formations, and the environment are affected by interrelationships among the human beings; cultural norms and social institutions; micro and macro politics; and forces of globalization as each of these affects local worlds of social sufferings.

Recently a new initiative-Orientation Programme for M.Sc. (Hons School) Anthropology Interns of Panjab University, Chandigarh began from 1-30 June, 2012 where final years Anthropology Interns were oriented in mental health Sciences and neuroscience and its feedback revealed that it was an enriching programme for them.

Teaching and Training

Department assisted in teaching M. Phil Clinical Psychology and M D Psychiatry and any other assignment related to their Teaching.

Research

- Co-Investigator: Psychosocial Dimensions of the Epilepsy in the Northern District of India. UGC Minor Research Project sanctioned to Department of Psychology, GRPG College, Rampur, UP (Research Project completed and its Report submitted to UGC, August 2012.)
- Co-Supervisor of M. Phil. (Clinical Psychology) Dissertation: Simran Bedi. (2012) Depression, Anxiety, well being and Quality of Life among Stroke Patients with Hemiplegia. M.Phil Dissertation submitted to Delhi University.

Orientation Programme in Mental Health Sciences and Neurosciences

This Programme was one month long training programme particularly designed for the students of the M.Sc. (Hons School) Anthropology Interns of Panjab University, Chandigarh, in *Mental Health Sciences and Neurosciences*. It involved the exposure of OPD and IPD patients as well as the clinical interactions with the anthropology interns. Faculty of Psychiatry, Neurology, Medical anthropology, Psychiatric Social Work, Clinical Psychology, Neuroanesthesiology, Radiology held academic session during the programme. Prof. P C Joshi, Department of Anthropology, University of Delhi, Delhi also delivered a guest lecture. Prof Nimesh G Desai was the programme Director and Dr Ravinder Singh coordinated the programme and issued the *Certificate of Participation* to eight anthropology interns(08) in the end of month.

Brain Awareness Week

Department actively participated in celebration of Brain Awareness Week which is organised every year in March to mark 12th day of this month, *as the International Brain Awareness Day* all over the World. Institute is premier tertiary level Neuropsychiatric hospital in the northern part of the Country has been organizing "Brain Awareness Week (BAW)" for last 2 years in order to promote public awareness about *Problems of Brain - Mind & their Solutions*. This

year Institute organized, in collaboration with Delhi Medical Association (DMA), a week long programme of Brain Awareness Activities Week between 12th and 19th March 2013 in different parts of Delhi. It includes organization of awareness camps, distribution of material on information, education & communication (IEC), Public lecture, Exhibition of posters, Essay, slogan & Poster competition for school children, street plays, Problems of Brain & their Solutions in different parts of Delhi State.

Publications

- Singh Ravinder, Sharma, V. and Upmesh K Talwar, (2013). Patients with Dementia and Epilepsy: Does Family and Kinship Care Matters?. *Advances in Anthropology*, vol. 3, No.2, 55-64. doi: 10.4236/aa.2013.32008.
- Gautam Vinod K.S., Sarbjeet Khurana, Ravinder Singh (2013). Diagnostic and Therapeutic Challenges in the Surgical Management of CNS Tuberculosis. *International Journal of Medical and Health Sciences*, April 2013, Vol 2: Issue 2, pp161-169
- Gautam Vinod K.S., Ravinder Singh, Sarbjeet Khurana (2013). Transient Behavior Abnormality following injury to Splenium of Corpus Callosum during ventriculoperitoneal shunt surgery- A case report. *Journal of Dental and Medical Sciences*, Vol. 5, Issues 1(Mar-April,2013)pp 26-29
- Singh Ravinder; Upmesh Kumar, Talwar Vibha Sharma and VKS Gautam (2013). Caring Women with Dementia: An Unheard or Hidden Suffering. *Journal of Nursing and Health Sciences*, Volume X, Issue X (Mar – Apr 2013), PP 36-40.
- Gautam V.K.S., Ravinder Singh, Sarbjeet Khurana (2013). Brainstem Tuberculoma Presenting As Stroke. *Journal of Dental and Medical Sciences*, Volume 4, Issue 6 (Jan.- Feb. 2013), pp 18-19

- Singh Ravinder; Upmesh Kumar, Talwar Vibha Sharma and V.K.S. Gautam (2013). School Children with Epilepsy: Their Voice, Our Concerns. *Journal of Humanities and Social Sciences*, vol. 8, Issues 4(Mar-April, 2013) pp52-55
- Gautam V.K.S., Sarbjeet Khurana, Ravinder Singh (2013). Primary Calvarial Tuberculosis (PCT) presenting as cold abscess of the scalp: A report of two cases. *Journal of Dental and Medical Sciences*, Vol. X, Issues X (Jan.-Feb. 2013), pp 1-4
- Upmesh K. Talwar and Ravinder Singh (2012). *Psychiatric Social Work - An Emerging Mental Health Profession in India*, GRIN Publishing, GmbH, Munich. <http://www.grin.com/en/e-book/206999/psychiatric-social-work-an-emerging-mental-health-profession-in-india>

Abstracts Published

- Ajita Rani, Upmesh K Talwar and Ravinder Singh (2012). *Epilepsy: Psychosocial Aspects of the Epileptic Patients in Barielly District of North India*. National Conference On Role Of Ayush And Ethnomedical Systems In Health Care, SDM College of Ayurveda, Hassan, Karnataka, 29 – 31, October, 2012
- Ravinder Singh, Vibha Sharma and N G Desai (2012). *Mental Health and Indian Ayurvedic System: Some concerns*. National Conference On Role Of Ayush And Ethnomedical Systems In Health Care, SDM College of Ayurveda, Hassan, Karnataka, 29 – 31, October, 2012
- V. K. S. Gautam, S Khurana and Ravinder Singh (2012). *Diagnostic and therapeutic Challenges in Surgical managements of CNS Tuberculosis*. 15th International Congress on Infectious Diseases, at Centara Grand & Bangkok Convention Centre at Central World Bangkok, Thailand, June 13-16, 2012

- Ajita Rani and Ravinder Singh (2012) People Living with Epilepsy: Exploring psychosocial aspects of the Epilepsy patients in Bareilly. Second Indian Psychological Science Congress on "*Psychological Well-Being: Building Bridges For Tomorrow*" organized by National Association of Psychological Science, 5-6 October, 2012 Chandigarh.
- Ajita Rani and Ravinder Singh (2012). People Living with Epilepsy: Psychosocial study of Epileptic patients in a District of North India. In 14TH Argentinean Congress On Neuropsychiatry And Cognitive Neuroscience. 29-31 August, 2012, Buenos Aires - Argentina
- Gautam VKS; Khurana, S. and Singh, Ravinder. (2012). *Diagnostic and Therapeutic Challenges in the Surgical management of CNS tuberculosis*. (Abstract no. 47.019) In the 15th International Congress on Infectious Diseases, June ,13-16,2012. Bangkok, Thailand.
- Gupta C.; Anshu Gupta and Ravinder Singh (2012). *Morphology and Count of Blood cells: Do these reveal basic clinical Diagnosis?* National Seminar on the Contemporary Issues in Human Biology in 21st century, 31 March-1 April, 2012. Organised by Department of Human Biology, Punjabi University, Patiala, Punjab

Guest Lecture Delivered

- *Laws on Labour Trafficking. Bounded Labor System: Abolition Act, 1976, Child Labour Act, 1986 and Juvenile Justice (Care and Protection) Act-2000* from 2.00-3.00pm on 5th May, 2012 in the Course on Anti Human Trafficking in Police Training College, Daroh, Kangra, HP.
- *Police Procedures in the Abolition Act, 1976, Child Labour Act, 1986 and Juvenile Justice (Care and Protection) Act-2000* from 4.00-5.00pm on 5th May, 2012 in the Course on Anti

Human Trafficking in Police Training College, Daroh, Kangra, HP.

- *Legal Provisions, Rights to Education and Plan of Action for the Children* from 2.00-3.15pm on 06.06.2012 in the Three Days Course on "Juvenile Justice (care and Protection of Children) Act-2000 for the Group -A Officers organised by the HIPA, Gurgoan, Haryana.
- *The Concept of Juvenile Justice o to Neglected and Delinquent Children* from 3.30-5.00pm on 06.06.2012 in the Three Days Course on " Juvenile Justice (Care and Protection of Children) Act-2000 for the Group -A Officers organised by the HIPA, Gurgoan, Haryana.

Administrative Duties: Officer In-charge of *Scientific Projects*, and *Pulse Polio Programme*, Department also looks after these assigned duties of the Institute and other duties assigned by Office of the Director or the Administration time to time.

Hospital Statistics at a glance

Outpatient statistics

Department of Psychiatry

Psychiatry	2011	2012	%(increase/decrease)
Total	218522	232583	↓ 6
Old case	190448	201308	↓ 6
New case	28074	31275	↓ 11

Department of Neurology

Neurology	2011	2012	%(increase/decrease)
Total	149616	166553	↓ 11
Old case	122513	136451	↓ 11
New case	27103	30102	↓ 11

Department of Neurosurgery

Neurosurgery	2011	2012	%(increase/decrease)
Total	3347	4123	↓ 23
Old case	1852	2384	↓ 28
New case	1495	1739	↓ 16

In patient statistics

Department of Psychiatry

Psychiatry	2011	2012	% (increase/decrease)
Admission	1970	1862	↓ -5
Discharge	1973	1855	↓ -6
Bed Occupancy rate (%)	96	95	↓ 1%

Department of Neurology

Neurology	2011	2012	% (increase/decrease)
Admission	1093	1237	↓ 13
Discharge	1167	1259	↓ 8
Bed Occupancy rate (%)	81	79	↓ 2

Department of Neurosurgery

Neurosurgery	2011	2012	% (increase/decrease)
Admission	280	296	↓ 6
Discharge	306	305	-
Bed Occupancy rate (%)	37	38	↓ 1%

Emergency Services

Emergency Services	2011	2012	%(increase/decrease)
Total	20338	21908	↓ 8
Psychiatry	13643	14263	↓ 5
Neurology	6695	7645	↓ 14

Speciality Clinics Services

Speciality Clinics Services	2011	2012	%(increase/decrease)
Mental Retardation Clinic	10159	11367	↓ 12
Child Adolescence Psychiatric Clinic	7990	8363	↓ 5
Neurobehaviour Clinic	896	842	↓ -6
Movement Disorder Clinic	763	805	↓ 6
Marital & Psychosexual Clinic	1120	1217	↓ 9
Tobacco Cessation Clinic	1036	643	↓ -38
Epilepsy Clinic	2632	2509	↓ -5
Drug Abuse Treatment & Rehabilitation Centre	7951	7747	↓ -3

Clinical Psychology Services

Clinical Psychology Services	2011	2012	%(increase/decrease)
Total Sessions Conducted	10518		↓ -43
IQ Assessment	1866		↓ -50

Other Services

Other Services	2011	2012	%(increase/decrease)
Physiotherapy Services	9436	10350	↓ 10
Occupational Therapy Services	2224	2771	↓ 25
Psychiatric Social Work Services	6766	6652	↓ 11

Community Outreach Clinics

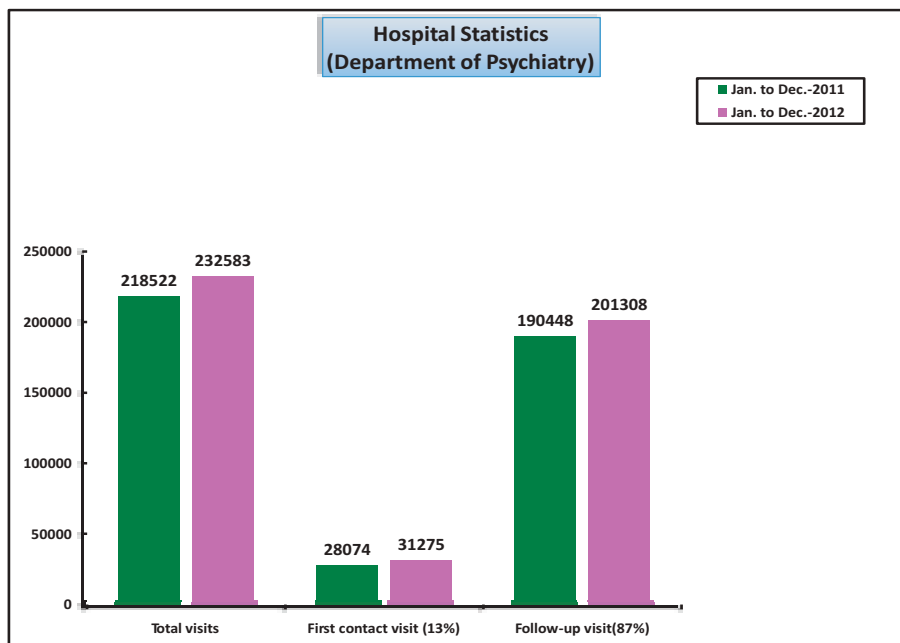
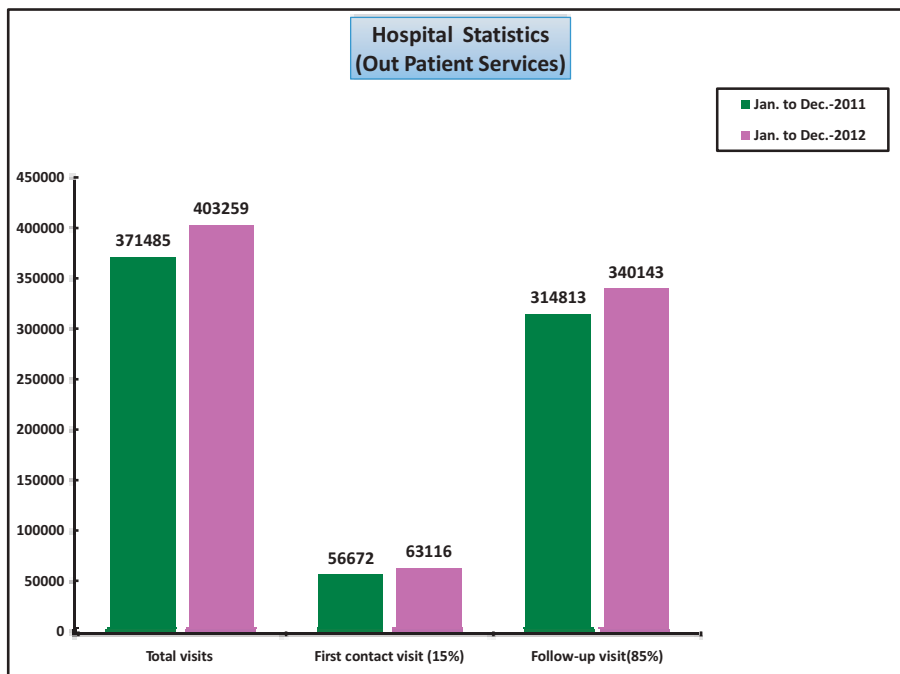
Community Outreach Clinics	2011	2012	%(increase/decrease)
Jahangirpuri	9831	9607	↓ -2
Chhattarpur	5859	5945	↓ 1
Jama Masjid	5729	4007	↓ -30

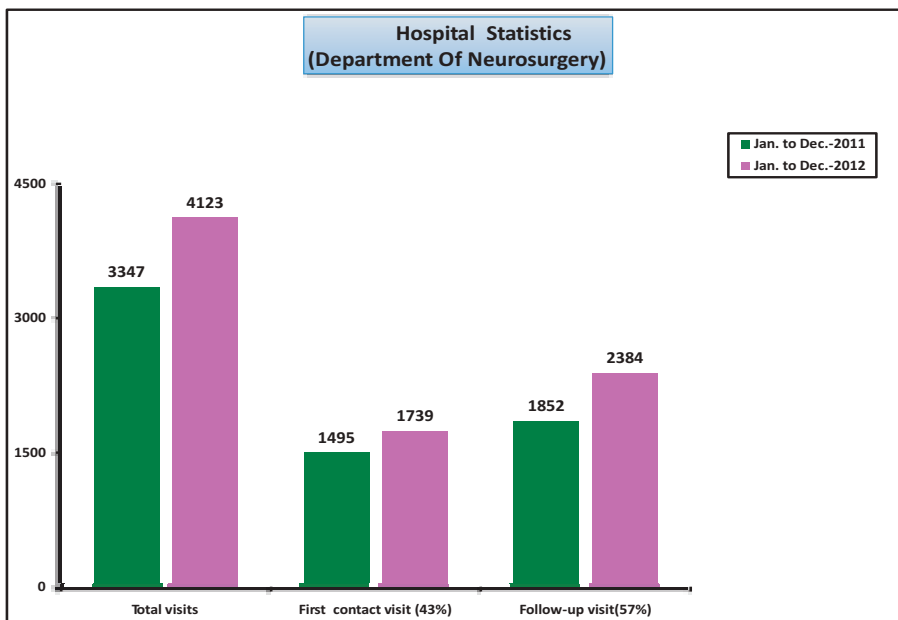
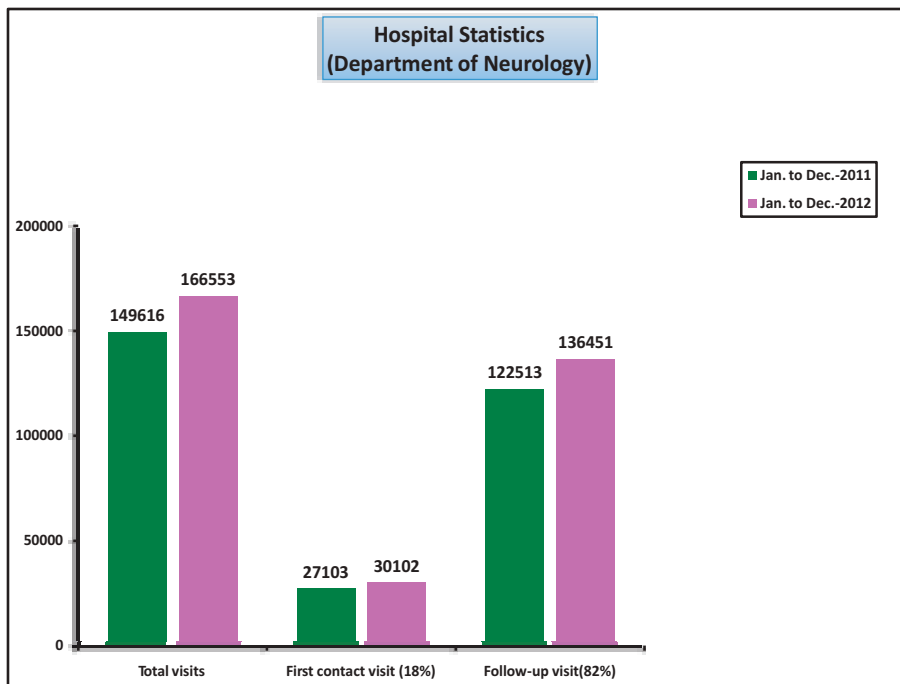
Laboratory Services

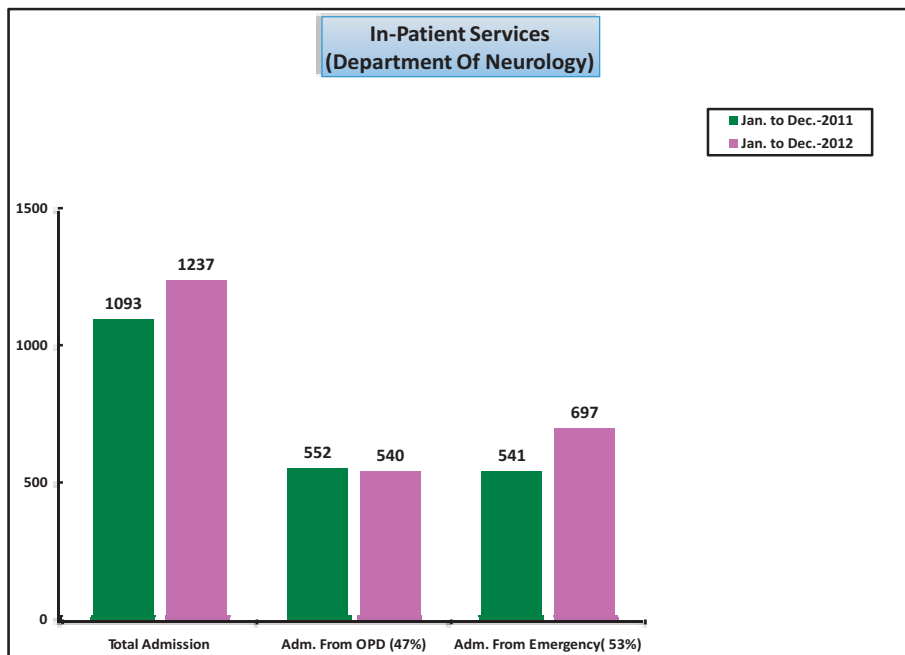
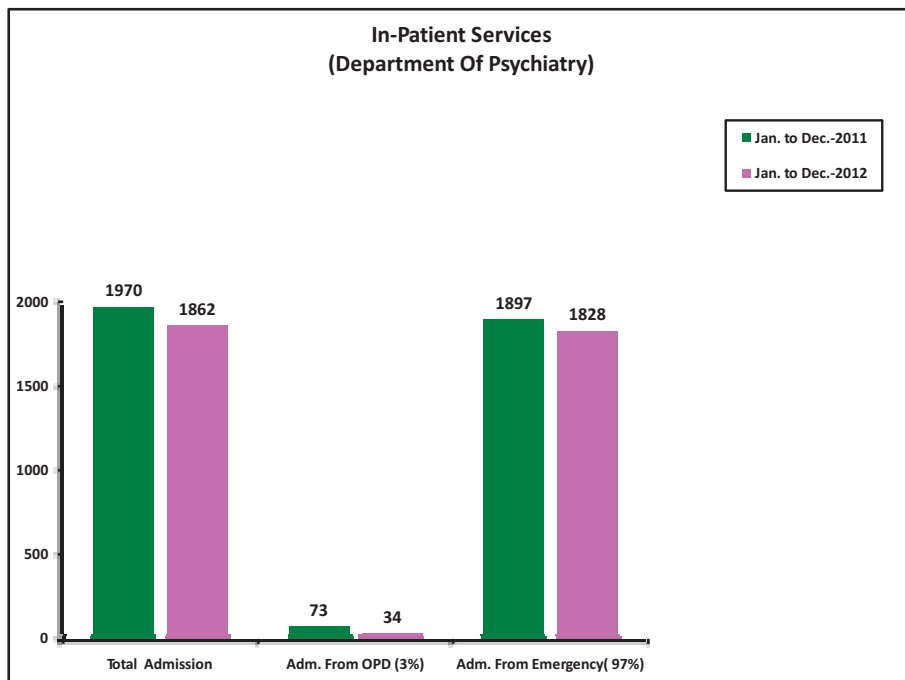
Laboratory Services	2011	2012	%(increase/decrease)
Pathology	20491	20668	↓ 1
Neurochemistry	25346	27737	↓ 9
Microbiology	5918	5257	↓ -11
Neuropsychopharmacology	5537	7320	↓ 32

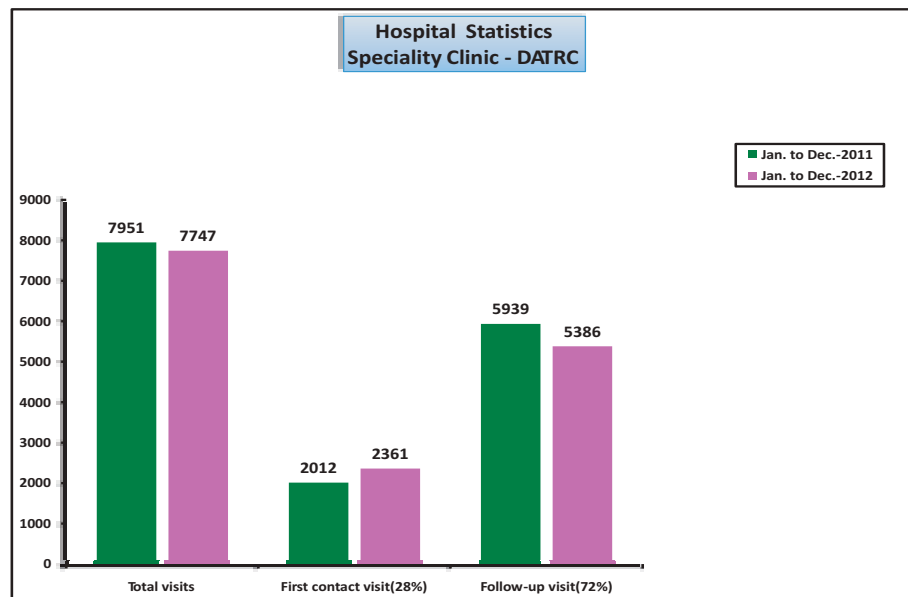
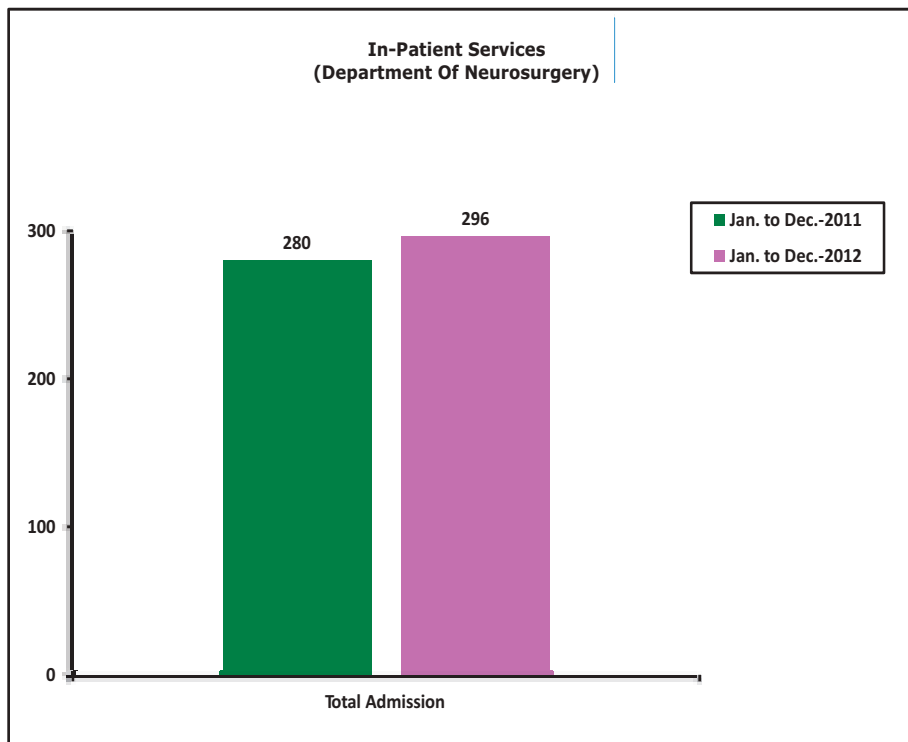
Radiology Services

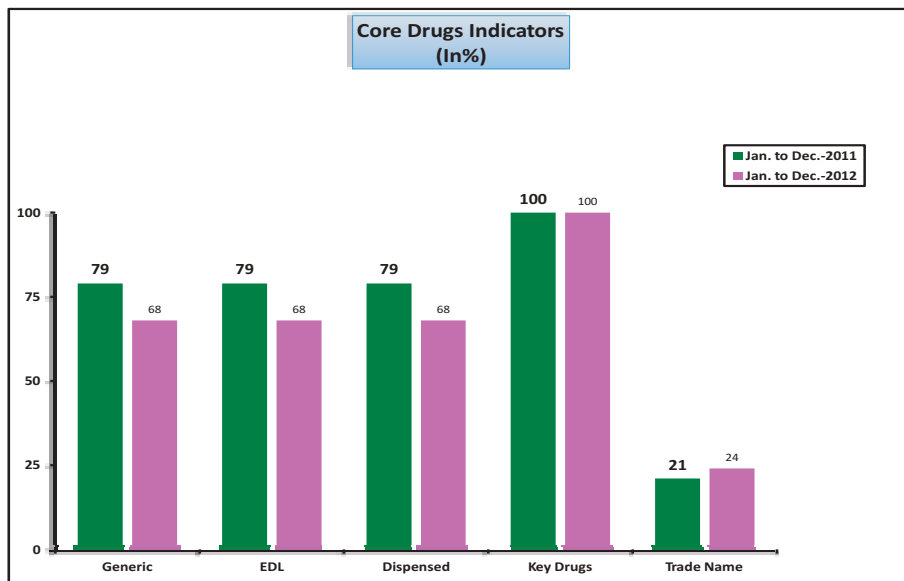
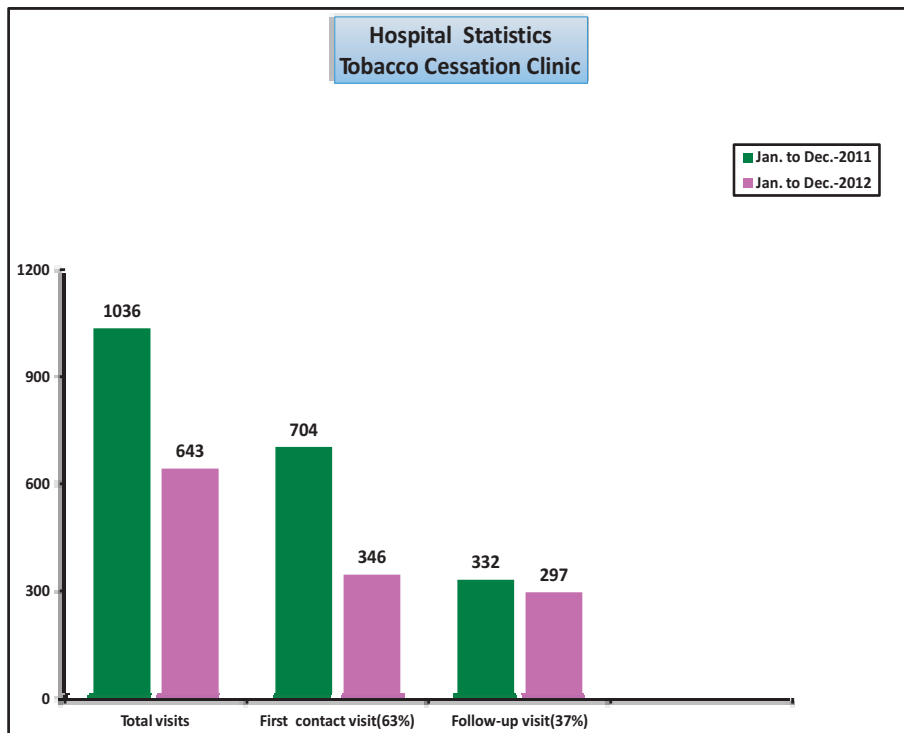
Radiology Services	2011	2012	%(increase/decrease)
Ray	6573	6469	↓- 2
Ultra Sound	2826	2761	↓-2

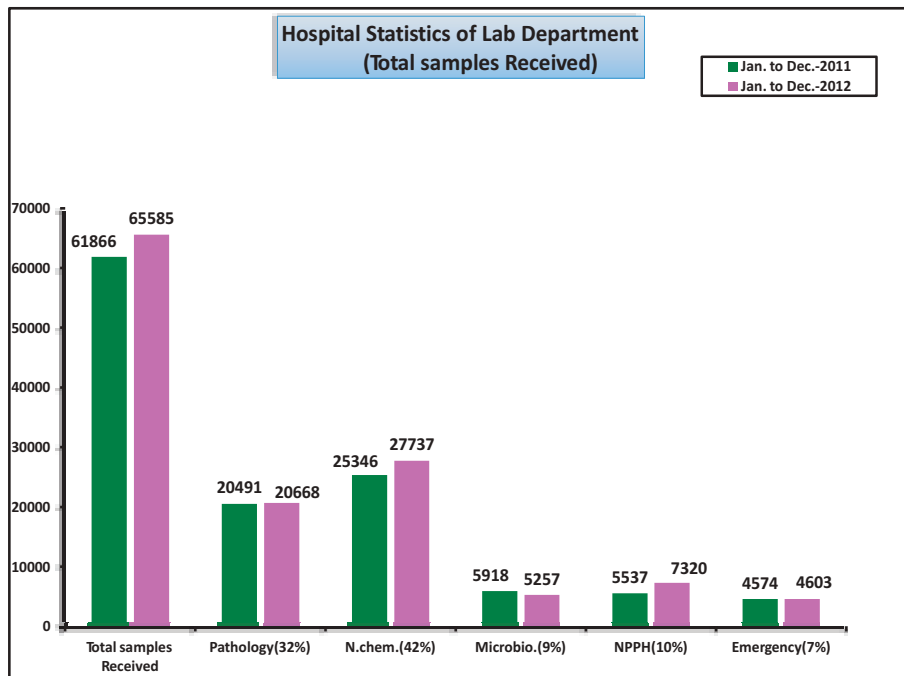
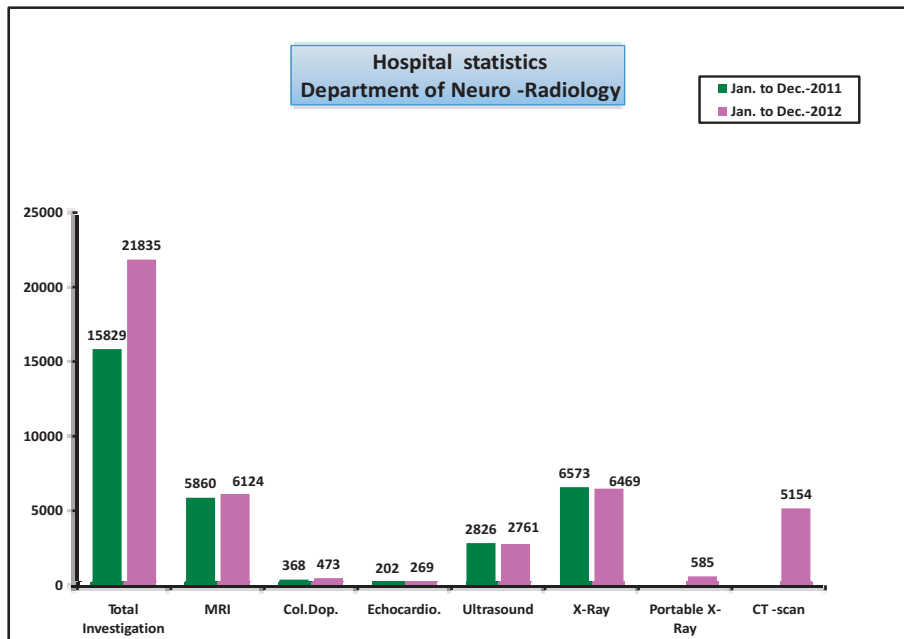


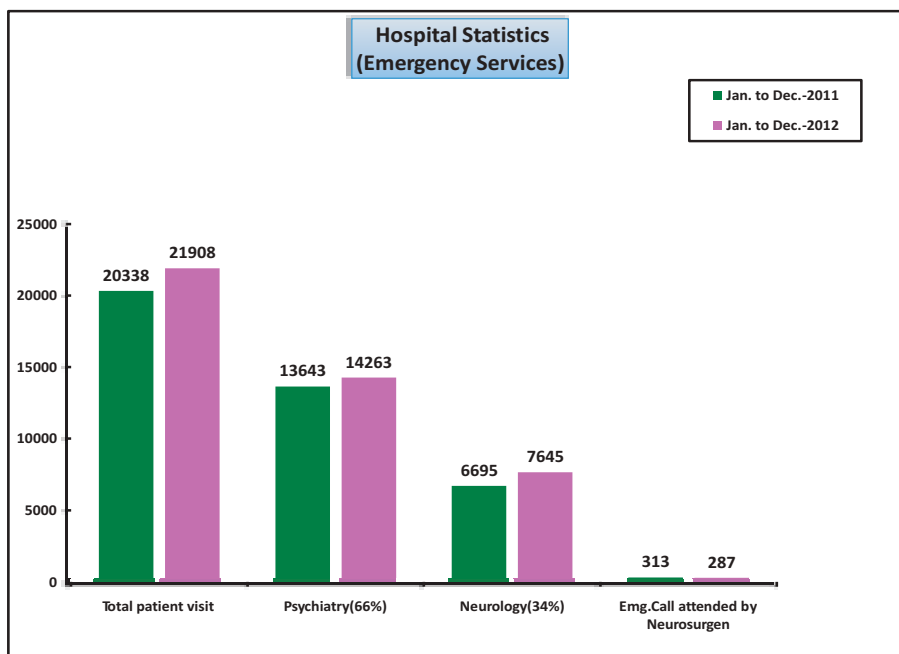
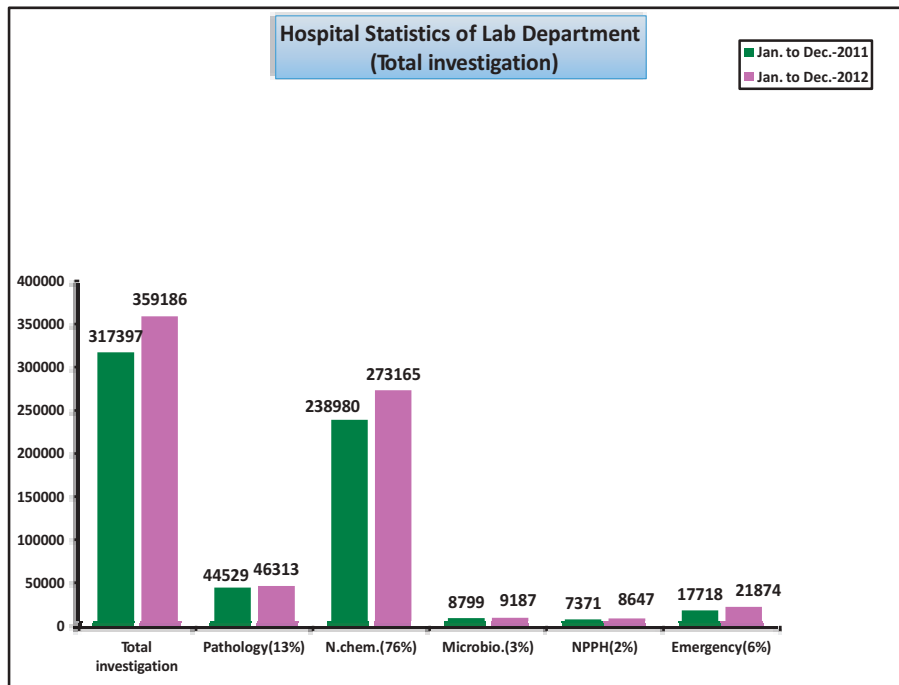












Library and Information Centre

Library and Information Centre continued to be an essential component of the Institute outstanding research and education mission and provides information to caters the study needs of the Faculty members, Doctors, Researchers and Students. Exchange programme were established with different national and international institutions such as NBRC, NIMHANS, NML, National Institute on Drug Abuse (NIDA), World Health Organization (WHO) etc. to retrieve the update information in the related subject fields. To extend facility to the users, library has been opened up to 9.00 p.m in the evening. The following services were made available during the year:

- Acquisition services
- Circulation services
- Online access/e-resources
- Reference services
- Internet/E-mail services
- Documentation services (CAS& SDI)
- Photocopy services
- Inter Library Loan services

Resource Development

Library has developed an update collection of books, periodicals, annual reports in the field of mental health, neuro and allied sciences. To lay greater stress on latest information and research studies, importance was given more to scientific periodicals. Library subscribed 147 scientific periodicals and procured 290 new documents on different subjects. The documents were technically processed and added in the library holdings for easy access to the users. Photocopies of available literatures were provided to the users for personal use on nominal charges.

Automation Services

Library and Information Centre has equipped with modern information technology and continued to disseminate information

to the users effectively by the use of INTERNET, E-mail and Online access of global databases. Current Awareness Services (CAS) were provided to the users by way of inputting in-house documentation services. SDI services were provided to the users through searching of current/ retrospective literature on given specific keywords/ literature from primary, secondary sources of data. Networking arrangement with NML, New Delhi has been made for resource sharing as well as retrieval of update health literature in the field of mental health, neuro and allied sciences through NML Consortia. Inputting data through LibSys software and Bar coding of documents for the automation of library activities has been completed. LAN with WIFI facility has been installed to facilitate the users for global access of databases and other e-resources to the users at the library.

Institute website has been developed on URL <http://www.ihbas.delhigovt.nic.in> and updation of the same is being carried out regularly by the Library & Information Centre. Internet facility for online access of database through Reliance Data Card has been provided to the faculty members & other users during the period. LAN proposal of IHBAS is being initiated by the library & Information Centre through NIC/NICSI along with procurement of new computer systems & accessories.

OPAC (Online Public Access Catalogue) and E-resources

Bibliographical details of library holdings were made available through Online Public Access Catalogue (OPAC) to facilitate the users. A list of E-resources comprising e-journals & e-Books were also made available to users along with user ID and password during the period.

Resource sharing

Library & Information Centre has been included in the member list of NMLERMED Consortia, sponsored by Govt. of India, to access approx. 2500 online journals for web-based access of information to over 156 full text journals. A list with publisher's user ID &

password has made available to all the faculty members for easy access of e-resources. Exchange programme were established with different national and international institutions such as National Brain Research Center (NBRC), National Institute on Drug Abuse (NIDA), Australia, World Health Organization (WHO), NIMHANS, Bangalore National Medical Library, New Delhi etc. to retrieve update information in related subject fields.

Reference, Consultation and Circulation

Reference services were provided in the form of current awareness service and selective dissemination of information services to various faculty members, doctors & students as when required. Circulation services has strengthened with inputting some more services and 26740 documents circulated to the users. 231 Post graduate students and Ph.D scholars from various institutes, medical colleges and universities i.e. from UCMS & GTB Hospital, School of Social Sciences, School of Psychology, Univ. of Delhi, Univ. of Jamia Millia Islamia, New Delhi, Kashi Vidyapeeth University, Varanasi, B.H.U. Varanasi and Guru Jambheshwar University, Hissar, M.J.P. Rohilkhand University, Bareilly (U. P.) were visited & consulted the library during the year.

Binding work and photocopy Service

Back volumes of journals were arranged alphabetically & chronologically and are being processed for binding. To enhance the facility to internal and external users of library photocopy services were provided through private agency on nominal charges.

Awards and Prizes

- Dr. S.K.Pandey, Library & Doc. Officer has been awarded the "S.J. Kulkarni best Medical Librarianship award -2012", at National Convention of MLAI-2012, NERGRIHMS, Shilong, Meghalaya.

Conference and Symposia

- Dr. S. K. Pandey, Lib. & Doc. Officer has participated and

presented a paper on " Role of e-journals in consortium era : an overview, Medical Library Association of India (MLAI) 2012" at North Eastern Indira Gandhi Regional Institute of Health & Medical Sciences (NERGRIHMS), Shilong, Meghalaya, 12-14 Dec. 2012.



ENGINEERING SECTION

IHBAS has its own full fledged Engineering Section which meets out the requirements of construction, renovation, modifications etc. of infrastructural facilities and all maintenance needs of the Institute.

Superintending Engineer is the head of Engineering Section, who is also the Project Manager for Remodelling Project works of IHBAS. The first phase of Remodelling has already been successfully completed and the planning for second phase of Remodelling works is in the pipeline.

The setup of Engineering Section comprises of two divisions- Civil (which includes horticulture also) and Electrical, both under control of concerned Executive Engineer. The Civil as well as Electrical Divisions consist of two subdivisions, each headed by Assistant Engineers and supported by Junior Engineers.

Horticulture unit is also looked after by Executive Engineer (Civil) supported by Assistant Director (Horticulture) and Section Officer (Horticulture) and is responsible for the maintenance and development of Horticulture in the Institute.

GENERAL INFORMATION

Present Staff at IHBAS as on 31.3.2013

Sl. No.	Name Of Post	Group	Group	Sanctioned	Filled Up
1	Director	A	Ministerial Staff	1	1
2	Medical Superintendent	A	Ministerial Staff	1	0
3	Joint Director (Admn)	A	Ministerial Staff	1	0
4	FA & CAO	A	Ministerial Staff	1	0
5	Professor (Medical & Non-Medical)				
	i) Pathology	A	Faculty	1	1
	ii) Microbiology	A	Faculty	1	1
	iii) Neuro Chemistry	A	Faculty	1	0
	iv) Neuro Psychopharmacology	A	Faculty	1	1
	v) Neuro -Radiology	A	Faculty	1	0
	vi) Neuro Surgery	A	Faculty	1	0
	vii) Psychiatric Social Worker	A	Faculty	1	0
	viii) Clinical Psychology	A	Faculty	1	0
	ix) Psychitary	A	Faculty	3	1
	x) Neurology	A	Faculty	1	0
	xi) Neuro Anesthesia	A	Faculty	1	0
	xii) Human Behaviour Deptt.	A	Faculty	1	0
6	Addl. Professor (Medical & Non-Medical)				
	i) Neuro Surgery	A	Faculty	1	0
	ii) Psychiatric Social Work	A	Faculty	1	0
	iii) Clinical Psychology	A	Faculty	1	0
	iv) Psychitary	A	Faculty	4	0
	v) Neurology	A	Faculty	1	1
	vi) Neuro Anesthesia	A	Faculty	1	0
7	Associate Professor (Medical & Non-Medical)				
	i) Pathology	A	Faculty	1	1
	ii) Microbiology	A	Faculty	1	0

Sl. No.	Name Of Post	Group	Group	Sanctioned	Filled Up
	iii) Neuro Chemistry	A	Faculty	1	1
	iv) Neuro Psychopharmacology	A	Faculty	1	0
	v) Neuro -Radiology	A	Faculty	1	1
	vi) Neuro Surgery	A	Faculty	1	1
	vii) Psychiatric Social Work	A	Faculty	3	0
	viii) Clinical Psychology	A	Faculty	3	1
	ix) Psychitary	A	Faculty	9	4
	x) Neurology	A	Faculty	3	1
	xi) Neuro Anesthesia	A	Faculty	1	0
	xii) Medical Anthropology	A	Faculty	1	0
	xiii) Psychiatric Nursing	A	Faculty	2	0

8 Assistant Professor (Medical & Non-Medical)

i) Pathology	A	Faculty	1	1	
ii) Microbiology	A	Faculty	1	1	
iii) Neuro Chemistry	A	Faculty	1	1	
iv) Neuro Psychopharmacology	A	Faculty	1	0	
v) Neuro -Radiology	A	Faculty	2	0	
vi) Neuro Surgery	A	Faculty	2	2	
vii) Psychiatric Social Work	A	Faculty	4	1	
viii) Clinical Psychology	A	Faculty	5	2	
ix) Psychitary	A	Faculty	17	6	(04 Contract)
x) Neurology	A	Faculty	6	5	(on Contract)
xi) Neuro Anesthesia	A	Faculty	2	2	
xii) Biostatics	A	Faculty	1	1	
xiii) Epidemiology	A	Faculty	1	1	
xiv) Medical Anthropology	A	Faculty	1	1	
xv) Psychiatric Nursing	A	Faculty	3	0	
xvi) Social Work	A	Faculty	1	0	
xvii) Psychology	A	Faculty	1	0	
xviii) Social & Cultural Anthropology	A	Faculty	1	0	
xix) Education	A	Faculty	1	0	

Sl. No.	Name Of Post	Group	Group	Sanctioned	Filled Up
9	Additional Medical Superintendent			1	0
10	Clinical Psychologist	A	Clinical Psychologist	21	5
11	Psychiatric Social Worker	A	PSW	17	7
12	Project Engineer (Supdt.)	A	Engineering	1	1
13	Administrative Officer	A	Ministerial Staff	2	1
14	Executive Engineer (Civil)	A	Engineering	1	1
15	Executive Engineer (Elec.)	A	Engineering	1	0
16	Librarian & DO	A	Ministerial Staff	1	1
17	Research Officer (Yoga)	A	Paramedical Staff	1	0
18	Emeritus Prof.	A	Ministerial Staff	2	2
19	Post Doctoral Fellowship	A	Under ICMR	2	0
20	Research Associate	A	Under ICMR	2	0
21	Senior Resident	A	SR	70	30
22	Junior Resident	A	JR	80	63
23	Sr. Research Fellow	B	Under ICMR	2	0
24	Accounts Officer	B	Accounts Staff	2	2
25	Programmer	B	Ministerial Staff	1	1 (On Contract)
26	Asst. Admn. Officer	B	Ministerial Staff	3	2 (On Contract)
27	Asst. Research Officer (Yoga)	B	Paramedical Staff	1	0
28	Senior Physiotherapist	B	Paramedical Staff	1	1
29	Asst. Engineer (Civil)	B	Engineering	2	1 (on Deputation)
30	Asst. Engineer (Electrical)	B	Engineering	2	0
31	Asst. Director (Horticulture)	B	Engineering	1	0
32	Senior PA/PS	B	Ministerial Staff	1	1
33	Asst. Accounts Officer	B	Accounts Staff	2	2 (on Deputation)
34	Asst. Librarian (Gr. - I)	B	Ministerial Staff	1	0
35	Dy. Nursing Supdt.	B	Nursing Staff	1	0
36	Asst. Nursing Supdt./ANS	B	Nursing Staff	9	5
37	Sister Tutor	B	Nursing Staff	1	0
38	Tutor			1	0
39	MSW	B	Paramedical Staff	2 On Contract	1 (On Contract)
40	PRO	B	Ministerial Staff	1	0

Sl. No.	Name Of Post	Group	Group	Sanctioned	Filled Up
41	Documentation Asst. (Lib. Gr. – II)	B	Ministerial Staff	1	1
42	Medical Record Officer	B	Paramedical Staff	2	1
43	Medical Record Supervisor	B	Paramedical Staff	1	0
44	Junior Engineer (Civil)	B	Engineering	2	2 (01 Deputation + 01 on Contract)
45	Junior Engineer (Elec.)	B	Engineering	2	2 (01 Deputation + 01 on Contract)
46	Sectional Officer (Horticulture)	B	Engineering	1	1 (On Contract)
47	Sr. Pharmacist	B	Paramedical Staff	2	1
48	Dietician	B	Paramedical Staff	1	1
49	Asstt. Dietician	B	Paramedical Staff	1	0
50	Assistant	B	Ministerial Staff	16	4 (02 on Deputation)
51	Sr. Steno	B	Ministerial Staff	4	3
52	Asstt. Sister Tutor	C	Nursing Staff	1	0
53	Nursing Sister	C	Nursing Staff	41	29
54	Health Education Technical Officer	C	Paramedical Staff	1	0
55	Computer Asstt.	C	Ministerial Staff	2	1
56	Occupational Therapist	C	Paramedical Staff	6	6 (04 Contract)
57	Physiotherapist	C	Paramedical Staff	2	1
58	Library Asst.(Gr.-III)	C	Ministerial Staff	3	2 (On Contract)
59	Staff Nurse	C	Nursing Staff	233	188 (70-Regular, 116-Contract, 02-Adhoc)
60	Statistical Asstt.	C	Paramedical Staff	1	1 (On Contract)
61	Senior Technician	C	Paramedical Staff	2	1 (On Contract)
62	CSSD Technician	C	Paramedical Staff	1	0
63	Central Gas Pipe line Technician	C	Paramedical Staff	1	0
64	Research Asst. (Yoga)	C	Paramedical Staff	1	0
65	Speech Therapist	C	Paramedical Staff	1	1 (On Contract)
66	ICU Technician	C	Paramedical Staff	5	5 (On Contract)
67	OT Technician	C	Paramedical Staff	3	2 (On Contract)
68	Jr. Physiotherapist	C	Paramedical Staff	6	6 Contract
69	Jr. Medical Record Officer	C	MRO Staff	1	0
70	Medical Record Technician	C	Paramedical Staff	2	1

Sl. No.	Name Of Post	Group	Group	Sanctioned	Filled Up
71	Photographer	C	Ministerial Staff	1	0
72	Artist	C	Ministerial Staff	1	1
73	Pharmacist	C	Paramedical Staff	8	7
74	UDC	C	Ministerial Staff	0	0
75	Medical Record Clerk In-Charge	C	Paramedical Staff	1	0
76	Psycho Clinic cum Lab Asstt.	C	Paramedical Staff	2	2 (On Contract)
77	EEG Technician	C	Paramedical Staff	2	2 (On Contract)
78	Electro-Physiology Technician	C	Paramedical Staff	2	2 (On Contract)
79	X-ray Technician	C	Paramedical Staff	2	2 (01 on Contract)
80	Lab Technician	C	Paramedical Staff	9	8
81	Jr. Stenographer	C	Ministerial Staff	0	0
82	Data Entry Operator	C	Ministerial Staff	21	16 (DEO- Regular 03+Contract 04), (UDC-03 Regular+01 Deputation), (Jr. Steno-05 on Contract)
83	Lab. Assistant	C	Paramedical Staff	20	19 (17 on Contract)
84	Radiographer	C	Paramedical Staff	3	3 (On Contract)
85	LDC	C	Ministerial Staff	3	0
86	LDC/ MR Clerk	C	Paramedical Staff	1	0
87	Telephone Operator	C	Ministerial Staff	4	0
88	Projectionist	C	Ministerial Staff	1	1
89	Driver	C	Ministerial Staff	8	7
90	Lab Attendant	D	Class IV	15	0
91	Library Attendant	D	Class IV	1	0
92	Occupational Therapy Attendant	D	Class IV	4	4
93	Cook	D	Class IV	10	10
94	Nursing Orderly	D	Class IV	3	0
95	Class IV (D)	D	Class IV	7	0
96	Hawaldar	D	Class IV	1	0
97	Technical Asstt.	D	Class IV	1	0
				820	511

FACULTY OF IHBAS

Director

- Prof. Dr. Nimesh G. Desai (Psychiatry)

Emeritus Professor

- Prof. S.D. Sharma (Psychiatry)
- Prof. M. Gourie Devi (Neurology)

Professors

- Dr. N.G. Desai (Psychiatry)
- Dr. Sujata Chaturvedi (Pathology)
- Dr. Sangeeta Sharma (Neuropsychopharmacology)
- Dr. Rajiv Thakur (Microbiology)

Additional Professors

- Dr. Kiran Bala (Neurology)
- Dr. Uday Kumar Sinha (Clinical Psychology)

Associate Professors

- Dr. Neelam Chhillar (Neuro Chemistry)
- Dr. Anshu Gupta (Pathology)
- Dr. P.K. Upadhyay (Neurosurgery)
- Dr. Deepak Kumar (Psychiatry)
- Dr. Suman Seryam Kushwaha (Neurology)
- Dr. Rachna Agarwal (Neuro Chemistry)
- Dr. Om Prakash (Psychiatry)
- Dr. Vibha Sharma (Clinical Psychology)

- Dr. Jahanara M Gajenderagad (Psychiatric Social Work)
- Dr. Sarbjeet Khurana (Epidemiology)
- Dr. Mukul Kumar Jain (Neuroanesthesia)
- Dr. C.B. Tripathi (Biostatistics)
- Dr. Rajesh Kumar (Psychiatry)
- Dr. Reema Kumari (Neuro radiology)
- Dr. Vijender Singh (Psychiatry)
- Dr. Ravinder Singh (Medical Anthropology)

Assistant Professors

- Dr. Vinod Kumar Singh Gautam (Neurosurgery)
- Dr. Deepak Kumar Jha (Neurosurgery)
- Dr. Arvind Arya (Neuroanesthesia)
- Dr. Renu Goyal (Microbiology)
- Dr. Naveen Grover (Clinical Psychology)
- Dr. Ishita Pant (Pathology)
- Dr. Pankaj Kumar (Psychiatry)
- Dr. Manoj Kumar (Psychiatry)
- Dr. Aldrin Anthony Dung Dung (Neurology) on contract basis
- Dr. Amit Khanna (Psychiatry)
- Dr. Paramjeet Singh (Psychiatry)
- Dr. Amit Garg (Psychiatry)
- Dr. Sumit Kumar Gupta (Psychiatry)
- Dr. Bhavna Kaul (Neurology)
- Dr. Shaily Singh (Neurology)
- Dr. Siddharth Maheshwari (Neurology)

Committees And Apex Bodies Of IHBAS

COMMITTEES AND APEX BODIES OF IHBAS

- General Body
- Executive Council
- Standing Finance and Budget Committee
- Building and Works Committee
- Rehabilitation Committee
- Academic Committee
- Establishment Committee
- Scientific Advisory Committee
- Ethics Committee
- Board of Visitors

General Body

- Hon'ble Minister of Health, Government of NCT of Delhi and President of IHBAS
- Chief Secretary, Government of NCT of Delhi and Vice-President of General Body of IHBAS
- Vice Chancellor, Delhi University and Vice-President of General Body of IHBAS
- Joint Secretary, Ministry of Health & Family Welfare, Government of India and Vice-President of General Body of IHBAS
- Principal Secretary (Finance), Government of NCT of Delhi
- Principal Secretary (H&FW), Government of NCT of Delhi
- Principal, University College of Medical Sciences (UCMS), Delhi
- Medical Superintendent, GTB Hospital, Delhi
- Advisor (Health), Planning Commission, Yojana Bhawan
- Joint Secretary (T), Department of Education, Ministry of Human Resource Development, Government of India
- DDG (DD), Ministry of Social Justice and Empowerment, Govt. of India
- Advisor/Scientist 'G', Department of Bio-Technology, 7-8 Floor, Block-2, CGO Complex, Lodhi Road, New Delhi.
- Advisor (TT), Department of Science & Technology, Technology Bhawan, New Mehrauli Road, New Delhi.
- Dr.Bela Shah, Chief Sr. Deputy Director, NCD, ICMR, Ansari Nagar, New Delhi-110029.
- Prof. Ranjit Roy Chaudhury, Emeritus Scientist, National Institute of Immunology, New Delhi

- Prof. P.N. Tandon, Professor Emeritus, Department of Neurosurgery, AIIMS, New Delhi-110029.
- Dr. S.K. Khandelwal, Professor of Psychiatry, AIIMS, New Delhi.
- Prof. N.G. Desai, Professor, Head, Deptt. of Psychiatry, IHBAS.
- Dr. T.B. Singh, Professor of Clinical Psychology, IHBAS.
- Director, IHBAS: Member Secretary

Executive Council

- Chief Secretary, Government of NCT of Delhi-cum-Chairman of IHBAS, Delhi Sachivalaya, IP Estate, New Delhi.
- Additional Secretary & Financial Adviser, Ministry of Health & Family Welfare, Government of India, Nirman Bhawan, New Delhi.
- Joint Secretary, Ministry of Health & Family Welfare, Government of India, Nirman Bhawan, New Delhi.
- Principal Secretary (Finance), Government of NCT of Delhi, Delhi Sachivalaya, IP Estate, New Delhi.
- Principal Secretary (H&FW), Government of NCT of Delhi, Delhi Sachivalaya, IP Estate, New Delhi.
- Principal, UCMS, Delhi.
- Medical Superintendent, G.T.B. Hospital, Delhi.
- Dr. Manju Mehta, Professor and HOD (Clinical Psychology) AIIMS, New Delhi.
- Professor A.K. Singh, Director (Neurosurgery Dept.), FORTIS Hospital, NOIDA

- Professor M. Gourie-Devi, Advisor (Neurology), IHBAS
- Professor & HOD (Clinical Psychology), IHBAS, Delhi
- Professor & HOD (Neuropsychopharmacology), IHBAS
- Joint Director (Administration), IHBAS
- Senior Accounts Officer, IHBAS
- Prof. Dr N G Desai, Director, IHBAS: Member secretary

Standing finance and budget committee

Chairman

- Principal Secretary (Finance) Government of NCT of Delhi

Members

- Principal Secretary (Health & Family Welfare) Government of NCT of Delhi
- AS &FA, Ministry of Health & Family Welfare, Government of India
- Director, IHBAS, Delhi
- Joint Director (Administration)
- FA & CAO, IHBAS. Delhi

Building and Works Committee

Chairman

Principal Secretary (H&FW), GNCTD

Members

- Dr. Nimesh G. Desai, Director, IHBAS & Member, B&WC

- Shri P.B. Vijay, Retd. DG(W), CPWD & Member, B&WC - A-39/B, Munirka, New Delhi-110006
- Shri Mukesh Bajpai, Architect, CDB, DGHS on behalf of Dr. Chandrashekhar R, Chief Architect, DGHS & Member, B&WC - Room No. 405, Nirman Bhawan, New Delhi-110011
- Shri Birbal Singh, Acting Joint Director (Administration), IHBAS & Member, B&WC
- Shri Alok Varma, Superintending Engineer, IHBAS & Member, B&WC
- Shri Dharam Pal, Acting FA&CAO, IHBAS & Member, B&WC

Rehabilitation Committee

Chairman

Prof (Dr.) Nimesh G. Desai, Director, IHBAS, Delhi

Members

- Mr. Pankay Joshi, Jt. Secretary, CDD, Ministry of Social Justice and Empowerment, Government of India, New Delhi
- Dr. S.K. Chaturvedi, Professor of Psychiatry and head, Department of Rehabilitation, NIMHANS, Bangalore.
- Mr. P.K. Sharma, Deputy Director, Social Welfare, GNCTof Delhi
- Mrs. Sreerupa Mitra Choudhary, Chairperson, Sudinalaya, Delhi
- Mrs. Paramjeet Kaur, Director, Ashray Adhikar Abhiyan, Delhi
- Mrs. Rangashree Kishore, Richmond Fellowship, Delhi
- Dr. Rupali P. Shivalkar, Associate Professor of Psychiatry, IHBAS, Delhi

- Dr. Jahanara MG, Associate Professor of Psychiatric Social Work, IHBAS, Delhi
- Dr. Vibha Sharma, Associate Professor of Clinical psychology, IHBAS, Delhi
- Dr. Pankaj Kumar, Asstt. Professor of Psychiatry, IHBAS, Delhi

Academic Committee

Chairman

Prof (Dr.) Nimesh G. Desai, Director, IHBAS, Delhi

Members

- Dr. Amol Ranjan Singh, Director, RINPAS, Ranchi
- Dr. V. Ravi, Registrar, NIMHANS, Bangalore
- Dr.S.V. Madhu, Head, Department of Medicine, UCMS, Delhi
- Dr.N.K. Chadha, Head, Department of Psychology, University of Delhi
- Dr.M.M.Mehndiratta, Professor of Neurology, GB Pant Hospital, New Delhi
- Dr. Sushma Batra, Head, Department of Social Work, University of Delhi
- Dr. H.S. Kohli, Professor, Department of Social Work, Jamia Milia Islamia, New Delhi
- Dr. Uday K. Sinha, Additional Professor of Clinical Psychology, IHBAS, Delhi

- Dr. Om Prakash, Associate Professor of Psychiatry, IHBAS, Delhi

Member Secretary

- Dr. Neelam Chhillar, Associate Professor of Neuro-Chemistry, IHBAS

Establishment committee

- Director, IHBAS – Chairperson
- Joint Secretary/Dy. Secretary (Finance)
- Joint Secretary/Dy. Secretary (Services)
- Joint Secretary/Dy Secretary (Medical)
- Joint Director (Administration)

Scientific Advisory Committee

- Professor Ranjit Roy Chaudhary, Emeritus Scientist, National Institute of Immunology, Aruna Asif Ali Marg, New Delhi
- Professor P N Tandon, 1 Jagriti Enclave, Delhi
- Professor J S Neki, 52, Hem Kunt Colony, New Delhi
- Professor S D Sharma, Emeritus Professor, IHBAS, Delhi
- Professor M Gourie Devi, Former Director, NIMHANS, Bangalore
- Professor R R Singh, director, Tata Institute of Social Sciences, Sion Trombay road, Deonar, Mumbai
- Professor N N Wig, H.No. 279, Sector 6, Panchkula, Haryana
- Professor A K Agarwal, Upasana, B-104/2, Nirala Nagar, Lucknow

- Dr Manju Mehta, Additional Professor, Department of Psychiatry, De-addiction centre, AIIMS, Ansari Nagar, New Delhi

Ethics Committee

Chairperson

Prof. LM Nath, Former Director, AIIMS

Members

- Prof. M. Gourie Devi, Former Director, NIMHANS, Bangalore
- Drug Controller of Delhi, Government of NCT of Delhi, F.17, Karkardooma, 4th Floor, Shahdara, Delhi
- Smt. Geeta Luthra, Legal Expert
- Prof. KM Prabhu, Head, Biochemistry Dept.
- Prof. SD Seth, Consultant ICMR
- Prof. Kusum Saigal, Former Principal LHMC
- Prof. Arvind Pandey, Director, NIMS
- Prof. SK Gupta, Ex-HOD, Pharmacology, AIIMS
- Prof. Vinay Srivastava, Principal Hindu College
- Dr. JP Kapoor, Addl. Director Health Services, SHS, Govt. of NCT of Delhi
- Dr. K. Anand, Additional professor, Department of Community Medicine
- All India Institute of Medical Sciences (AIIMS), New Delhi
- Sh. KR Bhati, Rtd. IAS
- Prof. TB Singh, HOD, Clinical Psychology, IHBAS

- Dr. Rachna Agrawal, Associate Professor, Neurochemistry, IHBAS
- Dr. Vijender Singh, Associate Professor, Psychiatry, IHBAS

Member Secretary

- Dr. Uday K. Sinha, Additional Professor, Clinical Psychology, IHBAS

Board of Visitors

- Ms. Asha Menon, Member Secretary, Delhi Legal Services Authority (DLSA), Patiala House, New Delhi.
- Prof. R.C. Jiloha, Head Department of Psychiatry, G.B.Pant Hospital, New Delhi.
- Prof. Anjali Gandhi, Professor of Social Work, Jamia Millia University, New Delhi.
- Prof. Manju Mehta, Professor of Clin. Psychology, Department of Psychiatry, AIIMS, New Delhi.
- HOD (Neurology), GB Pant Hospital, New Delhi-110002.
- Medical Superintendent, GTB Hospital, Shahdara, Delhi.
- Prof. Aruna Bhardwaj, Professor of Social Work, H-45, Bali Nagar, New Delhi-110 015.
- District Social Welfare Officer, North West– I, NPS Complex, Sector-4, Rohini, Delhi.
- Director, Directorate of Health Services (DHS), Govt. of NCT of Delhi or his/ her nominee, preferably a Psychiatrist.

Financial Report for the Year 2012-2013

Ph. Off. : 43071051
Mobile : 9891052129
Email: haianitagupta@yahoo.com

ANITA GUPTA & ASSOCIATES
CHARTERED ACCOUNTANTS
Office: B-217 Yojana Vihar, DELHI-110 006

TO,
THE DIRECTOR,
INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
G.T. ROAD, SHAHDARA DELHI - 110 095.

AUDIT REPORT FOR THE YEAR 2012-2013

WE HAVE AUDITED THE ATTACHED BALANCE SHEET OF INSTITUTE OF HUMAN BEHAVIOUR & ALLIED SCIENCES AS ON 31ST MARCH 2013 ALONGWITH INCOME & EXPENDITURE ACCOUNT OF THE SOCIETY FOR THE YEAR ENDED ON THAT DATE ANNEXED THERETO, AND REPORT THAT :-

1. WE HAVE OBTAINED ALL THE INFORMATION AND EXPLANATIONS WHICH TO THE BEST OF OUR KNOWLEDGE AND BELIEF WERE NECESSARY FOR THE PURPOSE OF OUR AUDIT.
2. THE BALANCE SHEET AND OTHER ANNEXED STATEMENTS FORMING PART OF THE BALANCE SHEET ARE IN AGREEMENT WITH THE BOOKS OF ACCOUNT MAINTAINED.
3. IN OUR OPINION, AND TO THE BEST OF OUR INFORMATION AND ACCORDING TO THE EXPLANATIONS GIVEN TO US, THE SAID ACCOUNTS, SO REQUIRED GIVE A TRUE & FAIR WITH SUBJECT TO OUR OBSERVATIONS AS PER ANNEXURE ATTACHED GIVE A TRUE AND FAIR VIEW.
 - (a) IN CASE OF BALANCE SHEET, OF THE STATE OF AFFAIRS OF THE INSTITUTE FOR THE YEAR ENDED ON 31ST MARCH 2013.
 - (b) IN THE CASE OF INCOME & EXPENDITURE A/C OF THE SURPLUS OF THE INSTITUTE FOR THE YEAR ENDED ON THAT DATE.

FOR ANITA P. GUPTA & ASSOCIATES
CHARTERED ACCOUNTANTS

PLACE : DELHI
DATE : 05.03.2014

Sd/-
CA ANITA GUPTA
MNO 093481

INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES

G.T. ROAD, SHAHDARA, DELHI-110 095

INCOME & EXPENDITURE ACCOUNT FOR THE PERIOD ENDING ON 31ST MARCH, 2013.

PREVIOUS YEAR	EXPENDITURE	CURRENT YEAR	PREVIOUS YEAR	INCOME	CURRENT YEAR
156,281,538.26	ADMINISTRATIVE SERVICES	224,868,642.50	650,000,000.00	GRANT IN AID FROM	
250,768,601.00	& OFFICE EXP. (ANNEX-1)			GOVT OF DELHI	820,000,000.00
	SALARY & OTHER EXP ON	281,260,109.00	18,524,044.00	INTT. INCOME (ANNEX-4)	21,007,102.67
7,307,734.43	EMPLOYEES (ANNEX-2)	7,843,660.60	8,528,360.00	MISC INCOME (ANNEX-5)	10,713,532.00
27,030,774.48	DIETARY ITEMS	33,385,447.17	1,593,046.00	RENTAL INCOME (ANNEX-6)	1,888,320.00
29,597,679.00	GENERAL STORE	13,632,575.00			
1,503,579.00	MEDICINES & DRUGS	1,372,404.00			
3,166,180.00	TRAVELLING & CONV. EXP.	4,653,193.00			
5,198,710.00	MAINTENANCE OF EQUIPMENT	1,907,163.00			
1,617,049.00	PUBLICATION & PERIODICALS	807,085.00			
4,284,379.00	DIESEL & PETROL	2,665,661.00			
32,360,000.00	PAITENT WELFAIRE EXP.	1,863,000.00			
499,019.00	PROJECT EXP.	69,468.00			
743,100.00	NABH EXPENSES	741,393.00			
45,935,615.00	LEGAL & PROFESSIONAL FEES	70,985,170.00			
232,843.00	MAINT. OF EXIST. BUILD(ANNEX-3)	152,445.00			
4,046,308.00	REPAIRS OF MOTOR VEHICLE	4,046,308.00			
12,765,552.15	RENT & TAXES	NIL			
2,034,545.00	C.P.F. INTEREST	NIL			
	D.G.H.S. (IHBAS)	NIL			
21,484,772.00	M.PHIL COMMITTEE EXP.	364,218.00			
840,414.00	EQUIPMENT	14,222,918.00			
	FURNITURE	316,885.00			
	LIBRARY BOOKS	669,336.00			
750,517.00	L.C. FDR	NIL			
630,993.00	VEHICLE	NIL			
924,738.00	OFFICE EQUIPMENT	87,581.00			
153,452.00	COMPUTER	59,675.00			
134,831.00	FITTING & FIXTURE	NIL			
68,352,526.68	EXCESS OF INCOME EXPENDITURE	187,634,617.00			
678,645,450.00		853,608,954.67	678,645,450.00		853,608,954.67

AS PER OUR AUDIT REPORT
OF EVEN DATE ATTACHED.
FOR ANITA GUPTA & ASSOCIATES
CHARTERED ACCOUNTANTS

PLACE : DELHI
DATE : 11.10.2011

Sd/- DIRECTOR	Sd/- D.D.O	Sd/- SR. ACCOUNTS OFFICER	Sd/- CA ANITA GUPTA
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INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
G.T. ROAD, SHAHDARA, DELHI-110 095

BALANCE SHEET AS ON 31ST MARCH, 2013.

PREVIOUS YEAR	LAIBILITIES	CURRENT YEAR	PREVIOUS YEAR	ASSETS	CURRENT YEAR
965,148,884.60	CAPITAL FUND	981,351,781.60	965,148,884.60	FIXED ASSETS {ANNEX-7}	981,351,781.60
295,240,750.49	RESERVES & SURPLUS {ANNEX-10}	482,875,367.89	29,482,383.41	CURRENT ASSETS {ANNEX-8}	38,236,420.82
54,559,582.94	DEFERRED CREDIT & BORROWING-PROJECT {ANNEX-11}	50,916,429.94			
154,405,940.61	CURRENT LIABILITIES & PROVISIONS {ANNEX-12}	187,670,858.12	474,723,890.63	CASH & BANK A/C {ANNEX-9}	683,226,235.13
1,469,355,158.64		1,702,814,437.55	1,469,355,158.64		1,702,814,437.55

PLACE : DELHI
DATE : 05-03-2014

AS PER OUR AUDIT REPORT
OF EVEN DATE ATTACHED.
FOR ANITA GUPTA & ASSOCIATES
CHARTERED ACCOUNTANTS

Sd/- DIRECTOR	Sd/- D.D.O	Sd/- SR. ACCOUNTS OFFICER	Sd/- CA ANITA GUPTA
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INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
G.T. ROAD, SHAHDARA, DELHI-110 095

RECEIPTS & PAYMENTS ACCOUNT FOR THE YEAR ENDING ON 31ST MARCH, 2013.

RECEIPTS	AMOUNT IN RS	PAYMENTS	AMOUNT IN RS
TO OPENING BALANCE		TELEPHONE EXP.	2,529,212.00
CASH & BANK BALANCE		POSTAGE & COURIER EXP.	72,161.00
{ANNEXURE-9}	474,723,890.63		
GRAND IN AID	820,000,000.00	OFFICE EXPENSES	4,578,489.00
S/B INTEREST	2,544,688.00	NETWORK & CABLE	529,854.00
F.D.R. INTEREST RECD.	20,986,334.99	TUTION FEES	2,238,471.00
PATIENT REALISATION INC.	7,112,234.00	HOUSE KEEPING	115,583,253.00
LICENCE FEES	870,369.00	SECURITY SERVICES	38,181,062.00
MISC INCOME	129,265.00	ELECTRICITY EXP.	32,911,987.00
COLLECTION CHARGE ON LWC	2,849.00	BANK COMM. & CHARGES	6,755.00
LOSS OF I-CARD	210.00	MEETING & CONFERENCE	1,977,469.00
RECRUITMENT FEES	624,450.00	PRINTING & STATIONARY	4,725,327.00
RTI FEES	1,240.00	MOBILE HANDSET	81,592.00
SALE OF TENDER FORMS	96,000.00	SALARY TO STAFF	281,260,109.00
TUTION FEES AND TRG FEES	382,484.00	HONORARIUM	175,270.00
INSTITUTIONAL RECEIPTS	1,204,925.00	CUTT. SHAVING & WASHING	2,093,014.00
INTERNSHIP INCOME	105,000.00	NEWSPAPER & MAGAZINES	141,869.00
TUTION FEES {M. PHIL}	174,450.00	STIPEND TO STUDENTS	4,524,423.00
PENALTIES FROM PARTIES	10,056.00	ADVERTISEMENT	5,645,592.00
CANTEEN RENT	336,876.00	WATER CHARGES	8,243,260.00
DHARAMSHALA RENT	4,450.00	MAINTT OF COMPUTERS	1,214,603.00
GUEST HOUSE RENT	145,175.00	CIVIL MAINTAINENCE	43,657,639.00
PHOTOSHOP RENT	14,400.00	ELECTRIC MAINTT.	23,609,078.00
HOSTEL RENT	1,052,739.00	DIETARY ITEMS	7,848,665.00
FOCUS RENT	334,680.00	GENERAL STORE	30,789,784.00
INCREASE IN C. LIAB.	33,264,917.51	MEDICINES & DRUGS	26,936,049.00
INCOME ATX RECEIVABLE (STAFF)	29,878.00	TRAVELLING & CONV. EXP	1,372,404.00
		MAINT. OF EQUIPMENT	4,653,193.00
		PUBLICAT. & PERIODICALS	1,907,163.00
		DIESEL & PETROL	807,085.00
		PAITENT WELFARE EXP.	2,665,661.00
		PROJECT EXP.	1,863,000.00
		HOTICULTURE MAINT..	3,718,453.00
		NABH EXPENSES	69,468.00
		DECREASES IN PROJECT A/C	3,643,153.00
		LEGAL & PROFESS. FEES	741,393.00
		REPAIRS OF MOTOR VEHICLE	152,445.00
		RENT & TAXES	4,046,308.00
		CAPITAL EXPENDITURE	15,356,395.00
		M/PHILL COMMITTEE EXP.	364,218.00
		CLOSING BALANCE	
		CASH & BANK BALANCE	683,226,235.13
	<u>1,364,151,561.13</u>		<u>1,364,151,561.13</u>

PLACE : DELHI
DATE : 05-03-2014

AS PER OUR AUDIT REPORT
OF EVEN DATE ATTACHED.
FOR ANITA GUPTA & ASSOCIATES
CHARTERED ACCOUNTANTS

Sd/-
DIRECTOR

Sd/-
D.D.O

Sd/-
SR. ACCOUNTS OFFICER

Sd/-
CA ANITA GUPTA

INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
G.T. ROAD, SHAHDARA, DELHI-110 095

EXPENDITURE SCHEDULE

PREVIOUS YEAR	PARTICULARS	CURRENT YEAR
DETAIL OF ADMN. SERVICE & OFFICE EXPENSES AS ON 31-03-2013		ANNEXURE-1
2,261,217.00	TELEPHONE EXP.	2,529,212.00
63,694.00	POSTAGE & COURIER EXP.	72,161.00
2,096,856.00	OFFICE EXPENSES	4,578,489.00
523,840.00	NETWORK & CABLE	529,854.00
1,994,259.00	TUTION FEES	2,238,471.00
83,174,107.00	HOUSE KEEPING	115,583,253.00
17,813,284.00	SECURITY SERVICES	38,181,062.00
24,885,037.00	ELECTRICITY EXP	32,911,987.00
89,046.00	BANK COMMISSION & CHARGES	6,755.00
2,421,784.00	MEETING & CONFERENCE	1,977,469.00
1,355,352.00	STIPEND TO STUDENTS	4,524,423.00
3,366,065.26	PRINTING & STATIONARY	4,139,306.50
157,671.00	MOBILE HANDSET	81,592.00
NIL	HONOUARIUM TO VISITORS	175,270.00
9,666,535.00	WATER CHARGES	8,243,260.00
34,500.00	BOOK ALLOWANCE	NIL
967,765.00	CUTTING SHAVING & WASHING	2,093,014.00
39,849.00	NEWSPAPER & MAGAZINES	141,869.00
3,567,349.00	ADVERTISEMENT	5,646,592.00
19,082.00	AUDIT FEES	NIL
1,784,246.00	MAINTT. OF COMPUTERS	1,214,603.00
156,281,538.26	TOTAL	224,868,642.50
SALARY & OTHER BENEFITS TO EMPLOYEES AS ON 31-03-2013		ANNEXURE-2
239,071,569.00	SALARY	264,765,695.00
1,065,457.00	LSPC	370,280.00
1,719,566.00	LEAVE TRAVEL CONCESSION	3,513,892.00
5,651,452.00	CPF (EMPLOYER SHARE)	6,507,253.00
1,526,546.00	MEDICAL REIMBRSEMENT	2,320,251.00
464,595.00	LEARNING RESOURCES ALLOWANCE	752,672.00
865,700.00	LEAVE ENCASHMENT	2,068,699.00
403,716.00	GRATUITY	961,367.00
250,768,601.00	TOTAL	281,260,109.00
MAINTAINENCE OF EXTISTING BUILDING AS ON 31-03-2013		ANNEXURE-3
24,365,913.00	CIVIL MAINTAINENCE	43,657,639.00
21,533,777.00	ELECTRIC MAINTAINENCE	23,609,078.00
35,925.00	HOTICULTURE MAINTENANCE	3,718,453.00
45,935,615.00	TOTAL	70,985,170.00

INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
G.T. ROAD, SHAHDARA, DELHI-110 095

INCOME SCHEDULES

PARTICULARS	PREVIOUS YEAR	CURRENT YEAR
INTEREST INCOME AS ON 31-03-2013		ANNEXURE-4
7,486.00		8,141.00
62.00	INTEREST ON FCRA A/C	67.00
4,374,553.00	INTEREST ON IHBAS A/C	2,406,372.00
158,238.00	INTEREST ON PROJECT A/C	NIL
2,860,755.00	INTEREST ON PROJECT TDR	NIL
10,997,393.00	INTEREST ON GRANT TDR	18,462,414.67
125,557.00	INTEREST ON L/C TDR	NIL
NIL	INTEREST ON AUTO TDR	130,108.00
18,524,044.00	TOTAL	21,007,102.67

MISC. RECEIPTS AS ON 31-03-2013

		ANNEXURE-5
6,640,088.00	PATIENT REALISATION CHARGES	7,112,234.00
549,859.00	LICENCE FEES	870,369.00
100,129.00	MISC INCOME	129,265.00
4,250.00	COLLECTION CHARGE ON LWC	2,849.00
90.00	LOSS OF I-CARD	210.00
167,250.00	RECRUITMENT FEES	624,450.00
1,470.00	RTI FEES	1,240.00
70,955.00	SALE OF O.T. ITEMS	NIL
108,900.00	SALE OF TENDER FORM	96,000.00
341,024.00	TUTION FEES AND TRG FEES	382,484.00
13,040.00	DONATION BOX INCOME	NIL
427,670.00	INSTITUTIONAL RECEIPTS	1,204,925.00
65,135.00	INTERNSHIP INCOME	105,000.00
NIL	PENALTY FROM PARTIES	10,056.00
38,500.00	TUTION FEES {M. PHIL}	174,450.00
8,528,360.00	TOTAL	10,713,532.00

RENTAL INCOME AS ON 31-03-2013

		ANNEXURE-6
576,837.00	CANTEEN RENT	336,876.00
5,100.00	DHARAMSHALA RENT	4,450.00
120,400.00	GUEST HOUSE RENT	145,175.00
5,600.00	PHOTOSTATE RENT	14,400.00
261,385.00	HOSTEL RENT	1,052,739.00
623,724.00	FOCUS RENT	334,680.00
1,593,046.00	TOTAL	1,888,320.00

INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
G.T. ROAD, SHAHDARA, DELHI-110 095

SCHEDULE OF FIXED ASSETS AS ON 31ST MARCH 2013.					ANNEXURE-7
S. NO.	PARTICULARS	TOTAL COST AS ON 01/04/2012	ADDITION DURING THE YEAR	SOLD DURING THE YEAR	TOTAL COST AS ON 31/03/2013
01.	LAND	1.00	NIL	NIL	1.00
02.	BUILDING	68,553,584.00	584,695,743.00	NIL	653,249,327.00
03.	FITTING & FIXTURE	2,487,481.00	NIL	NIL	2,487,481.00
04.	ASSETS FROM HMD	392,761.00	NIL	NIL	392,761.00
05.	NON CONSUMABLE	4,736,884.00	NIL	NIL	4,736,884.00
06.	COMPUTER	11,894,709.00	59,675.00	NIL	11,954,384.00
07.	OFFICE EQUIPMENT	3,601,728.00	87,581.00	NIL	3,689,309.00
08.	MEDICAL EQUIPMENT	187,820,949.80	19,181,312.00	NIL	207,002,261.80
09.	FURNITURE & FIXTURE	10,968,572.00	316,895.00	NIL	11,285,457.00
10.	VEHICLES	2,948,,782.80	NIL	NIL	2,948,782.80
11.	PLANT & MACHINERY	8,370,364.00	NIL	NIL	8,370,364.00
12.	BUILDING (NEW CONSTR)	1,302,753.00	NIL	NIL	1,302,753.00
13.	T.V. & AUDIO VISUAL	427,770.00	NIL	NIL	427,770.00
14.	LIBRARY BOOKS	121,265.00	669,336.00	NIL	790,601.00
15.	DMPH VEHICLE	211,016.00	NIL	NIL	211,016.00
16.	BUILDING {UNDER CONSTRUCTION}	584,695,743.00	NIL	58,46,95,743.00	
17.	RENOVATION OF HMD BUILDING	6,4,184,215.00	NIL	NIL	64,184,215.00
18.	L.C. FDR {FOR CI MACHINE}	12,414,906.00	846,502.00	4,958,394.00	8,303,014.00
19.	FREEZ	15,400.00	NIL	NIL	15,400.00
TOTAL		965,148,884.60	605,857,034.00	589,654,137.00	981,351,781.60

INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
G.T. ROAD, SHAHDARA, DELHI-110 095

SCHEDULE OF CURRENT ASSETS

PREVIOUS YEAR	PARTICULARS	CURRENT YEAR
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CURRENT ASSETS, LOAN & ADVANCES AS ON 31-03-2013

ANNEXURE-8

	ADVANCE / DEPOSIT WITH PWD,	
239,704.00	{GOVT. OF DELHI} FOR REPAIR	239,704.00
15,784,337.60	INTEREST ACCURED ON F.D.R.	14,431,458.28
3,312,038.00	PROJECT LOAN	3,312,038.00
4,500.00	INDIAN OIL SECURITY	4,500.00
31,078.00	INCOME TAX RECEIVABLE FROM STAFF	1,200.00
	CLOSING STOCK	
4,397,208.20	GENERAL STORE ITEMS	1,810,545.03
3,831,141.00	MEDICINE & DRUGS	17,135,615.00
104,593.87	DIETARY ITEMS	109,598.27
1,777,782.74	STATIONERY ITEMS	1,191,762.24
29,482,383.41	TOTAL	38,236,420.82

CASH AND BANK BALANCE AS ON 31-03-2013

ANNEXURE-9

73,753.00	CASH IN HAND	3,177.00
1,663.96	FCRA A/C WITH S.B.I.	1,730.96
42,962,942.63	S/B A/C WITH SBI	52,416,725.63
9,806,140.50	S/B A/C WITH BANKS (CPF)	23,604,693.50
200,960.07	S/B A/C {CONFERENCE FUND}	209,101.07
100,131,350.47	TERM DEPOSIT WITH BANKS (CPF)	110,295,539.97
263,639,945.00	TERM DEPOSIT WITH BANKS (GRANT)	439,048,586.00
56,113,036.00	TERM DEPOSIT WITH BANKS (PROJECT)	55,726,974.00
92,500.00	IMPREST WITH EMPLOYEES	88.000.00
1,701,599.00	AUTO SWEEP {F.D.R.}	1,831,707.00
474,723,890.63	TOTAL	683,226,235.13

INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
G.T. ROAD, SHAHDARA, DELHI-110 095

SCHEDULE OF LIABILITIES & RESERVES

PREVIOUS YEAR	PARTICULARS	CURRENT YEAR
RESERVE AND SURPLUS		ANNEXURE-10
226,888,223.81	OPENING BALANCE	295,240,750.00
68,352,526.68	ADD-EXCESS OF INCOME OVER EXPENDITURE	187,634,617.40
295,240,750.49	TOTAL	482,875,367.89
OTHER LIABILITIES AND PROVISIONS		ANNEXURE-12
31,078.00	T.D.S PAYABLE	708,551.00
11,600,874.00	EARNEST MONEY DEPOSIT	13,509,605.00
17,056,218.75	SECURITY DEPOSIT	17,412,094.75
NIL	CONTRIBUTORY PF (DUE TO EMPLOYEES)	180,379.00
160,869.07	CONFERENCE FUND	160,869.07
NIL	LABOUR WELFARE CEES	71,124.00
122,515,370.79	CPF PAYABLE	151,526,160.30
2,755,400.00	D.G.H.S. (IHBAS) PAYABLE	3,618,350.00
295,130.00	STIPEND PAYABLE	446,800.00
(9,000.00)	C.P.F. EMPLOYEES SHARES	(4,850.00)
NIL	P.O.-23 N.D.	41,550.00
NIL	UTGEGIS	210.00
NIL	WELFARE FUND	15.00
15,44,05,940.61	TOTAL	187,670,858.12

INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES
G.T. ROAD, SHAHDARA, DELHI-110 095
PROJECT A/C (ANNEXURE-11)

PREVIOUS YEAR	PARTICULARS	CURRENT YEAR
23,215.00	MDNIY (YOGA PROJECT)	22,400.00
122,772.00	MISC PROJECT	122,772.00
514,705.00	NACO	514,705.00
35,375.00	RP 04	35,375.00
701,566.00	RP 05	695,975.00
153,049.00	RP 07	153,049.00
193,210.00	RP 09	178,210.00
13,369.00	RP 10	13,369.00
22,247.00	RP 12	22,247.00
1,076,743.00	RP 13	1,066,240.00
(1,115.00)	RP 15	(1,115.00)
67,598.00	RP 17	67,598.00
87,794.00	RP 18	87,794.00
(16,332.00)	RP 19	(16,332.00)
11,265.94	RP 21	11,265.94
151,972.00	RP 22	223,172.00
(12,493.00)	RP 23	(12,493.00)
508,478.00	RP 25	495,568.00
119,626.00	RP 26	119,626.00
295,442.00	RP 27	295,442.00
201,074.00	RP 28	201,074.00
783,424.51	RP 30	784,519.51
721,960.00	RP 31	721,960.00
11,317.00	RP 34	11,317.00
(115,513.00)	RP 35	(115,513.00)
240,662.00	RP 36	240,662.00
28,437.00	RP 37	28,437.00
414,989.00	RP 38	414,989.00
2,904.00	RP 39	2,904.00
486.00	RP 40	5,521.00
35,387.00	RP 41	11,624.00
35,387.00	RP 42	3,523.00
3,523.00	RP 43	643,124.00
NIL	RP 44	44,624.00
10,652,719.00	STP-01	6,523,342.00
1,549.00	STP 04A	1,549.00
365,841.00	STP-4B	120,172.00
2,482,829.00	STP 07	927,570.00
2,140,134.00	STP 08	1,053,738.00
2,707,057.00	STP 09	614,726.00
62,869.00	STP 10	138,846.00
1,950,910.00	STP 11	715,785.00
6,200,000.00	STP -01 CHHATTARPUR	6,200,000.00
313,392.00	SMHA	313,392.00
(624,675.00)	PROJECT LOAN RECEIVABLE	(624,675.00)
1,013,150.00	CORPORATION BANK OD A/C	NIL
(309,69,010.51)	PROJECT RP BANK A/C	(24,130,120.51)
51,865,681.00	GRANT-C EXCELLANCE	46,372,,729.00
	NIL PROJECT FOR INTEREST (12-13)	46,372,,729.00
	NIL INTT INCOME (GRANT -C EXCELL.)	46,372,,729.00
	NIL S/B INTEREST (2012-2013)	46,372,,729.00
54,559,582.94	TOTAL	50,916,429.94



INSTITUTE OF HUMAN BEHAVIOUR AND ALLIED SCIENCES

DELHI - 110095

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