

NIMHANS

(INSTITUTE OF NATIONAL IMPORTANCE)



PROSPECTUS

2015-16

NIMHANS has been declared as an Institute of National Importance vide Government of India Gazette Notifications dated 14.9.2012 and 29.11.2013. In consonance with the Provisions contained in the Act, NIMHANS does not come under the purview of Medical Council of India, Indian Nursing Council and Rehabilitation Council of India. The seats notified in this Prospectus will not be increased at any cost.

The Institute reserves rights to modify/change the contents in the Prospectus without prior notice.

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Brief History of the Academic programs offered by National Institute of Mental Health and Neuro Sciences (Institute of National Importance) Bangalore

The Government of India established the All India Institute of Mental Health in 1954 in association with the Mental Hospital of the Karnataka Government. Major objective of the Institute was manpower development in the field of mental health and neurosciences. The Mental Hospital, Bangalore, which had built up certain traditions since 1938 in matters related to undergraduate training in the field of Psychiatry, was chosen by the Government of India as the Centre of training. In tune with this objective, two diploma courses – one in Psychological Medicine (DPM) and the other in Medical Psychology (DMP) were started in January 1955. These were followed by a Post Certificate Course in Psychiatric Nursing (DPN) in January 1956. The Institute was affiliated to the University of Mysore for the courses.

Subsequently, the Institute got affiliated to the Bangalore University in 1964 when the latter was established. The Bangalore University established a separate faculty of Mental Health and Neurosciences. The Institute introduced MD in Psychological Medicine in 1966, Ph.D in Clinical Psychology in 1967 and Post Graduate Diploma in Psychiatric Social Work (DPSW) in 1968. DM in Neurology and M.Ch. in Neurosurgery courses were started in 1970. Later, Ph.D programs in different disciplines were introduced.

The All India Institute of Mental Health and the Mental Hospital of the Government of Karnataka were amalgamated into an autonomous Institute and the National Institute of Mental Health and Neuro Sciences (NIMHANS) came into existence in 1974. In the subsequent years, many post-graduate training programs were started in the areas of Neurophysiology, Biophysics and Psychiatric Nursing. In 1994, NIMHANS was granted the “Deemed to be University” status under which the Institute awarded degrees and diplomas. DM in Neuroradiology, PDF in Neuroanaesthesia, PDF in Neuropathology and M.Phil in Neurosciences were the new courses initiated after the Institute was conferred the status of Deemed University. In the year 2006, B.Sc. in Nursing and B.Sc. in Radiography courses were started. In the year 2008, PDF in Child & Adolescent Psychiatry and in the year 2010, PDF in Neuroinfection and B.Sc. in Anesthesia Technology were introduced. In the year 2011, DM in Neuroanesthesia, DM in Child & Adolescent Psychiatry, PDF in Neurology with special emphasis on Epilepsy and Movement disorders courses were started. New courses started from the academic year 2012-13 include PDF in Acute Care & Emergency Psychiatry, PDF in Community Mental Health, PDF in Addiction Medicine, PDF in Consultation Liaison Psychiatry, PDF in Geriatric Psychiatry, PDF in Obsessive Compulsive Disorder & Related Disorders and PDF in Clinical Neuro Sciences & Therapeutics in Schizophrenia. NIMHANS has been declared as an Institute of National Importance vide the Gazette of India Notification dated 14.09.2012 by the Government of India. Ph.D degree in History of Psychiatry, Fellowship in Psychosocial Support in Disaster Management and Masters in Public Health were introduced from 2013-14. New courses on PDF in Hospital Infection Control, PDF

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in Neuromuscular Disorder, PDF in Stroke, PDF in Transfusion Medicine, PDF in Neurocritical Care and Fellowship in Psychiatric Rehabilitation were started in the Academic year 2014 - 15. Two new courses i.e., DM in Neuropathology and DM in Addiction Psychiatry are being introduced in the Academic year 2015-16. DPM course will be discontinued and 9 seats allotted for the same will be upgraded to MD in Psychiatry from 2015 - 16.

The special feature of this Institute is its multidisciplinary approach in patient care, training programs and also in the promotive, preventive and curative aspects of clinical services in Mental Health and Neurosciences. The manpower development programs at NIMHANS reflect the extent to which the Institute has succeeded in fusing together and nurturing behavioral sciences, neurosciences, basic biological sciences and ancient health systems under one roof.

Academic Calendar

Session - 1

Ph.D, Superspeciality, PDF, PG (Medical, Non-medical) and Diploma Courses

- Advertisement regarding admission 1st January 2015
- Applications available online from 1st January 2015
- Last date for online submission of application 31st January 2015
- ONLINE entrance test 28th & 29th March 2015
- Date of Interview & Counseling 1st week of June 2015
- Commencement of courses 1st July 2015
- Last date for admission 8th July 2015

Session - 2

B.Sc. and DCNT / DPN / DNN courses

- Advertisement regarding admission 1st week of May 2015
- Applications available online from 1st May 2015
- Commencement of courses 1st August 2015
- Last date for admission 8th August 2015

**For all queries relating to academic issues, please contact 080 - 26995013 / 15
or Email - academic@nimhans.kar.nic.in**

Important Events

- | | |
|------------------------------|---------------------------|
| • Institute Day | 14 th February |
| • Graduation Day | 29 th November |
| • Convocation | December/January |
| • International Nurses' Day | 12 th May |
| • Teachers Day | 5 th September |
| • National Mental Health Day | 10 th October |

Institute Authorities

Dr. P. Satishchandra- Director/Vice Chancellor	26995001
	26995002
	26564140
	26561811
	26565822
Dr. V. Ravi - Registrar	26995005
	26995006
	26564199
Dr. M. Jayaram – Dean (Neurosciences)	26995004
	26995569
	26995031
Dr. B. N. Gangadhar– Dean (Behavioural Sciences)	26995004
	26995260
Dr. V. Ravi – Dean (Basic Sciences)	26995004
	26995126

Coordinators - Ph.D course work

	Name of the Module	Coordinators
1	Research Methodology	Dr. K. Thennarasu Professor of Biostatistics Ph: 2699-5119
2	Human/Animal Ethics	
3	Computer Applications	
4	Quantitative and Qualitative Software	Dr. Mariamma Phillip Assistant Professor, Biostatistics Ph: 2699-5717
5	Basic Sciences	Dr. B. S. Shankaranarayana Rao Additional Professor of Neurophysiology Ph: 2699-5175
		Dr. M. M. Srinivas Bharath Additional Professor of Neurochemistry Ph: 2699-5167
6	Behavioural Sciences	Dr. Paulomi M Sudhir Additional Professor of Clinical Psychology Ph: 2699-5184
		Dr. B. M. Suresh Additional Professor of Psychiatry Ph: 2699-5276
7	Neurosciences	Dr. N. Girish Additional Professor of Epidemiology Ph: 2699-5299
		Dr. M. S. Gautham Assistant Professor of Epidemiology Ph: 2699-5868

Central Facilities

Advanced Center for Ayurveda in Mental Health and Neuro sciences Dr. D. Sudhakar, Asst. Director (Ay)	26995243
Biomedical Engineering Mrs. M. G. Sindu, Biomedical Engineer	26995220
Central Animal Research Facility Dr. J. Suresh Chandra, Sr. Veterinary Officer	26995040
Engineering Mr. N. L. Sateesh, Asst. Executive Engineer	26995216
Library & Information Center Dr. M. Jayaram, Sr. Professor, Officer-in-charge,	26995031
Photography Dr. Jayashree Ramakrishna, Professor & I/C Head	26995044
Publication Dr. M. Jayaram, Sr. Professor, Officer-in-charge	26995036

Hospital Administration

Dr. V. L. Sateesh Medical Superintendent	26995201
Dr. V. S. Chandrashekar Resident Medical Officer	26995203
Mr. M. Parameshwara Asst. Admn. Officer (OPD)	26995524
Smt. T. Chandramathi Asst. Admn. Officer (Hospital)	26995205
Smt. M. Parameshwara i/c Asst. Admn. Officer (RS)	26995295

General Administration

Mr. R. Timothy Raj, Dy. FA & CAO	26995019
Mrs. G. Jayamonie, Principal Private Secretary	26995002
Mr. D. Rajendran, Administrative Officer	26995008/21
Mr. M. N. Shankarsa, Administrative Officer (Academics & Evaluation)	26995012
Mr. B. G. Balarama, Accounts Officer	26995018
Smt. Tharamathi, Accounts Officer	26995775
Mr. S. Venkatesh, Special Officer	26995023
Mr. C. N. Chandrashekar, i/c AAO (Project Section)	26995016
Mr. Parameswara, Asst. Admn. Officer (Co-Ordination)	26995007
Mr. T. Ravi, Asst. Administrative Officer (Claims)	26995026
Mr. P. Shankarappa, Asst. Administrative Officer	26995022
Mr. J. Sandrews Xavier, Consultant (HR)	26995773
Mr. B. H. Shivashankar Rao, Asst. Administrative Officer (Accts)	26995022
Mr. Praseed Kumar, Public Relations Officer	26995010

Student Hostels

Dr. John P. John, Hon. Warden, NIMHANS Hostels	26995349
Dr. D. N. Nanda Kumar, Hon. Deputy Warden, NIMHANS Hostels	26995159
Dr. H. R. Aravinda, Hon. Deputy Warden, NIMHANS Hostels	26995810
Dr. Geetha Desai, Hon. Deputy Warden, Cauvery Hostel	26995251
Dr. Hima S. Pendharkar, Assistant Warden	26995424

**DEPARTMENTS
AND
COURSES**

Department of Biophysics

Department of Biophysics is involved in manpower development, research and teaching in the area of neuroscience and biophysics. The department has sophisticated laboratories to carry out research in neuroscience at the cellular and molecular level. Facilities for in-vitro fluorescence imaging (epifluorescence, single photon and multi-photon confocal imaging), absorbance and fluorescence spectroscopy and electrical recording system (patch clamp set-up). The department is well equipped for cell culture studies, biochemical (electrophoresis and blotting) and molecular biology experiments (PCR, RT-PCR, plasmid DNA isolation and purification and protein expression in mammalian system). Details of the courses offered at the department are as follows:

Courses

1) Ph.D in Biophysics : Only External Fellowship

Duration: 3 – 5 years

Minimum Qualification for Admission:

M.Phil Biophysics / Neuroscience / MBBS / M.Sc in Biophysics / Physics / Biochemistry / Biotechnology / Life Sciences / Physiology

Program of study

Initially the candidate will be provisionally registered for Ph.D The registration will be confirmed after qualifying the pre-Ph.D examination. The candidate would be trained in both theory and practical aspects of the curriculum pertaining to the discipline. After successful completion of the proposed work and approval of the synopsis the candidate shall submit the thesis for award of Ph.D degree.

2) M.Phil in Biophysics : 3 Seats

Duration: 2 years

Minimum Qualification for Admission:

MBBS / B.Tech in Biotechnology / Electronics / Computer Science / M.Sc in Biophysics / Physics / Biochemistry / Biotechnology / Life Science / Zoology / Chemistry / Physiology

Program of study

The course has been designed to build up the general background in the major areas of biophysics such as molecular biophysics, membrane biophysics, neurobiophysics, biophysical techniques, bioenergetics and medical biophysics. In the second year of the course, emphasis is given to specialization and research. The candidate will carry out a research project to be presented in the form of a dissertation. The laboratories are well equipped to conduct research on cellular and molecular aspects of nervous system.

Academic faculty and their research interests

Dr. Preeti G. Joshi, Professor & Head of the Department

Cell signaling, purinergic receptors in the nervous system, mechanisms of neuron-glia communication and its deregulation in neurological and psychiatric disorders, and neurodegeneration.

Dr. V. K. Kalia, Professor

Radiosensitization

Dr. B. Padmanabhan, Additional Professor

Structural biology, structure-based drug design, epigenetic markers/chromatin regulators, protein targets associated with neurodegenerative diseases and cancer.

Department of Biostatistics

Courses

- 1) **Ph.D in Biostatistics:** **1* Seat under Institute Fellowship**
Candidates with external fellowship are also taken

*If no candidate is selected for Ph.D in Biostatistics, the seat will be offered to an eligible candidate in Ph.D in Clinical Psychology

Duration: 3 – 5 years

Minimum Qualification for Admission:

M.Stat. (ISI) / M.Sc in Statistics / Biostatistics / Medical Statistics / Health Statistics / Agricultural Statistics.

Program of study: Development and application of biostatistics in the field of mental health and neurosciences.

Academic faculty and their research interests

Dr. D. K. Subbakrishna, Professor & Head of the Department:

Applied multivariate analysis, Application of artificial neural networks in medicine, Survival analysis, Latent structure analysis.

Dr. K. Thennarasu, Professor:

Applied multivariate analysis, Statistical applications in genetics, Survival analysis, Qualitative data analysis, Latent variable modeling, Micro array data and Cluster analysis.

Dr. P. Marimuthu, Additional Professor:

Clinical trails, Simulation and projection for cancer, Mental Health, HIV / AIDS problems.

Dr. Mariamma Phillips, Assistant Professor:

Applied multivariate analysis, Application of artificial neural networks in medicine, Incomplete data analysis.

Dr. B. Binu Kumar, Assistant Professor:

Statistical epidemiology, Survey methods, systematic reviews and meta-analysis, Missing data analysis/ multiple imputation.

Department of Child & Adolescent Psychiatry

Department of Child & Adolescent Psychiatry, established in 2010, is the first department of its kind in India. However, Child and Adolescent Psychiatry services at NIMHANS were started in the 1950s with the objectives of catering to mental health needs of children and adolescents, training mental health professionals and facilitating research in the area of child and adolescent psychiatry.

Clinical Services: The Department offers clinical services for neurodevelopmental disorders such as autism spectrum disorders, intellectual disability (mental retardation), specific learning disorders (dyslexia, dyscalculia and others), emotional and behavioral problems and other child and adolescent psychiatric disorders such as attention deficit hyperactivity disorder, obsessive compulsive disorders, depression, bipolar disorders and mental health issues.

Training: Psychiatrists, paediatricians and other allied medical professionals from outside NIMHANS (both Govt. and Pvt. Sectors) hone their skills in child and adolescent psychiatry as observers for a duration ranging from two weeks to three months in the department. Several international trainees and consultants, especially from South Asia avail the opportunity to observe and train with us in child and adolescent psychiatry.

Research activities: The broad areas of research the Department has actively pursued include epidemiology of child and adolescent psychiatric epidemiology, autism spectrum disorders, intellectual disability, juvenile obsessive compulsive disorder, externalizing disorders (attention deficit hyperactivity disorder, oppositional defiant disorder and conduct disorder), internalizing disorders (anxiety disorders, dissociative disorders), juvenile bipolar affective disorder, child sexual abuse and children in difficult circumstances.

Courses

1) **Ph.D in Child & Adolescent Psychiatry: Only External Fellowship**

Duration: 3 – 5 years

Minimum Qualification for Admission:

MD in Psychiatry or DNB in Psychiatry or M.Phil in Clinical Psychology or M.Phil in Psychiatric Social Work

2) **DM in Child & Adolescent Psychiatry: 04 Seats (2 for sponsored candidates)**

Duration: 3 Years

Minimum Qualification for Admission:
MD/DNB in Psychiatry

- 3) PDF in Child & Adolescent Psychiatry: 02 Seats (1 for sponsored candidate)

Duration: 1 year

Minimum Qualification for Admission:
MD/DNB in Psychiatry

Academic faculty and their research interests

Dr. Satish Chandra Girimaji, Professor & Head of the Department:
Intellectual disability, Clinical Child & Adolescent Psychiatry.

Dr. Shoba Srinath, Professor:

Mood Disorders, Autism Spectrum Disorder, Obsessive Compulsive Disorders and Epidemiology.

Dr. Shekhar P. Seshadri, Professor:

Adolescent Mental Health, Therapy and Therapy Training, Gender, Sexuality, Sexual Abuse, Difficult Populations like Street Children, Qualitative Research and Experiential Methodology, Life Skills Education, School Programs, community child and adolescent mental health.

Dr. K. John Vijay Sagar, Additional Professor:

Specific learning disorder, Autism spectrum disorder, Psychopharmacology, Attention deficit hyperactivity disorder, Consultation – Liaison in CAP

Department of Clinical Neurosciences (Virtual Department)

The virtual department of Clinical Neurosciences was created at the National Institute of Mental Health and Neurosciences (NIMHANS) in 2013. The department has three adjunct faculty members: Prof Vani Santosh (HOD), Dr John P. John and Dr Ravi Yadav. The virtual department currently has 25 PhD scholars (5 candidates per year) who are selected and provided financial support under the Indian Council of Medical (ICMR) Talent Search Scheme (TSS). Five candidates who have completed MBBS are selected each year on the basis of a competitive national level entrance examination and personal interview, conducted along with the annual entrance examinations for all courses at NIMHANS.

The department has been created to foster research temperament amongst medical graduates who are interested in translational neuroscience research. The long-term objective of creation of this discipline is to boost capacity building at the national level in the emerging field of Translational Medicine, specifically as it applies to Neuroscience. The Institute envisages that the department would succeed in bringing out clinician-neuroscientists, who are equally adept in both clinical and research aspects. This department, therefore expects to bridge the wide gap that exists between the “bench and the bed-side”, thereby leading on to translational research that will have more direct clinical applications. These young clinician-neuroscientists are expected to lead the way in the field of Translational Neuroscience in the country in the coming decades.

Courses

Ph.D in Clinical Neurosciences: 5 Seats (ICMR Fellowship)

Mode of Selection: Competitive written test followed by an interview, to assess the knowledge of the candidate in basic and clinical medical specialties as well as aptitude for research in interdisciplinary fields related to clinical neuroscience.

Duration of the Course: Five academic years

Minimum Qualification for Admission:

(1) MBBS degree with not less than 55% of the marks of any University recognized by the Medical Council of India (MCI). The candidate should have completed satisfactorily one year compulsory rotating internship or its equivalent as recognized by the MCI after passing the final MBBS examination and must have full registration with a State Medical Council.

Program of study: The course will consist of an initial training phase of one year followed by four years of research work. During the first year, the PhD scholars get exposed to clinical work by rotation

under the various clinical departments (Neurology, Neurosurgery, Psychiatry, Child and Adolescent Psychiatry, Neuroanaesthesia and Neuroimaging and Interventional Radiology). They also attend the various training modules that are running in the Institute for Ph.D scholars. During the subsequent four years, the scholars undertake their Ph.D dissertation work in one of the clinical specialties at NIMHANS (Neurology, Neurosurgery, Psychiatry or Child and Adolescent Psychiatry) and will be posted in those respective departments till completion of their course.

First Year: The scholar has to work in the clinical side, actively participating in patient care and exploring avenues of interdisciplinary research. He/she also has to attend the various training modules that are running in the Institute for Ph.D scholars.

Second Year: During the second year, the major emphasis would be selection of the thesis topic and guide from any of the above mentioned clinical specialties, formulation of the thesis protocol, getting approval from the Ph.D and Ethics Committees and appearing for the pre Ph.D examination.

Third to fifth Year: Ph.D Thesis work.

During this period, the Ph.D thesis work will be undertaken by the candidate in their chosen area of research. The scholar will carry out research work under the supervision of a faculty member, from one of the above-mentioned clinical specialties, who will function as the principal guide. Depending on the nature of the topic, the candidate can also have joint guide/s.

For the purpose of carrying out thesis work, the scholar will be posted to the Department concerned for a period of four years.

Evaluation:

1. **Clinical evaluation:** The clinical evaluations would be carried out by the various departments under which the scholar gets posted in the first year.
2. **Evaluation as part of the modular training Program:** Assessments will be carried out as part of the basic, behavioral and clinical neurosciences modules in the first year. All the scholars have to undergo the prescribed course work and successfully complete it.
3. The scholars are required to maintain a log book of their clinical and research activities regularly and get the same approved by the Guide and the Head of Department of Clinical Neurosciences.
4. The scholars have to abide by the Ph.D regulations of the institute.
5. At the end of the third year of the course, the candidate would be assessed for suitability for upgradation from Junior to Senior Resident position by a committee comprising of both internal and external experts.

Academic faculty and their research interests

Dr. Vani Santosh, Professor & Head of the department:

Neuro Oncology Research, Pathology of Cerebrovascular disorders.

Dr. John P. John, Additional Professor of Psychiatry, Adjunct Faculty:

Neurobiology of schizophrenia and neurodegenerative disorders; Cognitive neuroscience; Multimodal brain imaging (sMRI, fMRI, DTI, MRS, EEG/ERP, PSG, MEG); Imaging-genomics of schizophrenia and Alzheimer's dementia.

Dr. Ravi Yadav, Associate Professor of Neurology, Adjunct Faculty:

Parkinsonism and related disorders, headache, neurocritical care.

2) M.Phil In Neurosciences: 4 Seats

Duration: 2 years

Minimum Qualification for Admission:

MBBS / BE / B.Tech Electronics / Electrical / Computer Science / Biotechnology / M.Sc in Physics / Chemistry / Biochemistry / Anatomy / Physiology / Molecular Biology / Genetics / Biotechnology / Zoology / Life Science / MA Psychology / M.Sc Psychology

Program of study: The course consists of theory lectures on structure and function of the nervous system at molecular, cellular and systems level. In addition, candidates will have an exposure to pathological and applied aspects of the nervous system. Theory lectures will be complemented with practicals and demonstrations of various techniques used in different disciplines. Each candidate is required to carry out research work, which will result in a dissertation.

Course Committee: The course will be coordinated by a Course Committee consisting of a chairperson and five faculty members nominated by the Director/Vice-Chancellor, NIMHANS.

The current members of the course committee are:

1. Prof. Vani Santosh; Chairperson
2. Prof. Preethi G Joshi, Member
3. Prof. S N Madhusudana, Member
4. Prof. K Thennarasu, Member
5. Dr. T N Sathyaprabha, Member
6. Dr. M M Srinivas Bharath, Member

Department of Clinical Psychology

The Department of Clinical Psychology was started in the year 1954 as the Department of Psychology and Human Relations. In tune with the guiding philosophy of NIMHANS, the department is engaged in clinical service, human resource development and research. Clinical services include providing psychological assessment, psychological interventions and community outreach services. The department currently offers a two year full-time M. Phil. program and a three-year doctoral program in Clinical Psychology. Extensive direct engagement with the clients and close one-to-one supervision are integral components of both the training programs. The department also offers certificate programs in Child and Family Therapy (6 months), Cognitive Behaviour Therapy (6 months) and Positive Psychology Perspective (1 month). In addition, workshops and other programs for continuing professional development are periodically organized by the department. It runs various specialized clinics in the NIMHANS Centre for Well-Being. The research carried out by the faculty and students contribute to scientific advancement in thrust areas of Clinical Psychology. The faculty also provides consultancy and advisory services to governmental, non-governmental organizations, academic institutions and corporate sector in order to assist them in human resource development, organization of psychological services and research.

Courses

- 1. Ph.D in Clinical Psychology : 3 Seats under Institute Fellowship**
Candidates with external fellowship are also admitted

Duration: 3 – 5 years

Minimum Qualification for Admission:

2 years full time MA / M.Sc in Psychology / Counseling Psychology / Psychological Counseling / Clinical Psychology / Applied Psychology / M.Phil degree in Mental Health and Social Psychology / M.Phil in Clinical Psychology.

Ph.D Guides: Allotment of guides will be subject to availability

Program of study: Training in theoretical and practical aspects of Mental Health and Clinical Psychology and in research methodology would be provided. Two years of supervised clinical internship in Mental Health and Clinical Psychology with special emphasis in areas related to the topic of research would also be provided.

Candidates with M.Phil degree in Mental Health and Social Psychology/ M.Phil degree in Clinical Psychology or equivalent qualification recognized by NIMHANS would be registered immediately

after they join the department. However, candidates with Master's degree in Psychology would be provisionally registered upon joining the department. One year from the date of provisional registration, all the candidates should appear for pre Ph.D examination and upon the successful completion of the Pre-Ph.D examination, the registration would be confirmed.

After completion of a minimum of 3 years and upon satisfactory completion of proposed work, the candidates would be permitted to submit their thesis.

2) M.Phil in Clinical Psychology: 21 Seats (3 for foreign/sponsored)

Duration: 2 years

Minimum Qualification for Admission:

2 years full time MA / M.Sc in Psychology / Counseling Psychology / Psychological Counseling / Applied Psychology / Clinical Psychology

Academic faculty and their research interests

Dr. Mahendra P. Sharma, Professor and Head

Behavioural medicine, Cognitive behaviour therapy and processes, Cognitions and metacognitions, Stress Management, Mindfulness Meditation and Interventions based on it and Psycho-oncology.

Dr. Ahalya Raguram, Professor

Psychosocial aspects of Mental Health, Family and marital therapies, Individual therapies.

Dr. Anisha Shah, Professor:

Marital and family relationships and therapies, Emotion focused therapy, Gender in depression.

Dr. H. Uma, Professor

Development of psychological tests, preventive & promotive interventions, therapies with children & adolescents, play & narrative therapies, creativity, school mental health & specific learning disabilities.

Dr. L. N. Suman, Professor

Adult Psychopathology and Psychotherapy, Addictive Behaviours and their management, Trauma Psychology, Forensic Psychology

Dr. Seema Mehrotra, Additional Professor:

Mental health promotion, Positive Psychology, Emotional regulation, Adaptation to major life events and Psycho-oncology.

Dr. Jamuna Rajeswaran, Additional Professor:

Neuropsychological assessment and rehabilitation, pediatric neuropsychology, forensic neuropsychology, fMRI studies

Dr. Paulomi M. Sudhir, Additional Professor:

Cognitive behavioural therapies for anxiety disorders, depression, personality disorders and major psychiatric disorders such as schizophrenia, behavioural medicine and health psychology, cognitive, interpersonal and personality factors in emotional disorders and psychiatric conditions.

Dr. J. Keshav Kumar, Additional Professor:

Neuropsychological rehabilitation in acquired brain damage including clinical conditions such as head injury, stroke and schizophrenia. Other research interests include cognitive and emotional decision making.

Dr. Manoj Kumar Sharma, Additional Professor:

Behavioral addiction; E-based psychological intervention; Psychological tool development; tobacco cessation; substance use and prevention; emotional dyscontrol & management, psychotherapy; yoga, religiosity and spirituality.

Dr. M. Manjula, Additional Professor:

Youth mental health issues, preventive and promotive interventions in youth, Cognitive behavior therapies for anxiety disorders, mood disorders and sexual dysfunctions, process research in Cognitive behavior therapies.

Dr. Devvarta Kumar, Associate Professor:

Cognitive dysfunction and remediation in schizophrenia, Event Related Potentials (ERPs), CNS based detection of deception techniques, Memory and its falsifications, Meta-cognitive therapy for delusions, psychological test development.

Dr. Poornima Bhola, Associate Professor:

Psychotherapy process research, psychotherapist development and training, youth mental health and self-injurious behaviors; personality disorders; gender variance; consultation-liaison issues among medical and surgical conditions.

Dr. M. Thomas Kishore, Associate Professor:

Adult Psychiatry and Community Mental Health Centre, Child and Adolescent Mental Health with special focus on neurodevelopmental disorders particularly intellectual and developmental disorders and autism spectrum disorders and school mental health programmes.

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Dr. B. N. Roopesh, Assistant Professor:

Child & Adolescent Mental Health, School Mental Health, Autism, Conduct Disorders, ADHD, Marginalized Children and Development of Psychological Scales. Child neuropsychology, Development of Neuropsychological tests and Cognitive Retraining. EEG & Event Related Potentials (ERPs) of Psychiatric Disorders.

Dr. A. S. Veena, Assistant Professor (On Contract):

Women's mental health; adult individual and couples psychotherapy; promotion of mental health in vulnerable populations.

Dr. Shanthala Hegde: Assistant Professor (On Contract):

Neuropsychology and Neuropsychological rehabilitation, Music Cognition / Neuromusicology (EEG, ERP method of investigation).

Dr. Aruna Rose Mary Kapanee, Assistant Professor:

Community Mental Health, Individual and Family Psychotherapy, Creative and Expressive Art in Psychotherapy, Cultural Psychology, and Peace and Conflict Resolution.

Department of Epidemiology

The department of Epidemiology at NIMHANS, established in 1987, conducts, strengthens and supports epidemiological and public health research in mental health and neurological sciences. Epidemiological and Public health research, training, service, policy support and program development from the major domains of the department. The primary objectives of the department are to

- develop epidemiological information on prioritized mental and neurological disorders and injuries,
- carry out research independently, as well as on a collaborative nature with other departments, organizations, national and international agencies,
- provide inputs for service and teaching programs of the Institute and,
- Collaborate with national and international agencies in promoting evidence based programs.

The aim of the department is to develop relevant information on various aspects of different disorders and to incorporate these issues in policy making, planning, programming and implementation of health programs. The current areas of work include injury surveillance, suicide prevention, road traffic injuries, maternal mental health, stroke surveillance, headache disorders, substance abuse, geriatric mental health, health economics, youth health issues. During the year 2013-14, the department provided inputs for health and health related planning, policies and programs in the areas of Injury Surveillance, Road Safety, Alcohol control, geriatric mental health, prevention and control of non-communicable diseases, Youth Health issues, Occupational health, child mental health and movement disorders .

Courses

1) **Master of Public Health (MPH) : 5 Seats (all 5 for sponsored candidates)**

Duration: 2 years

Minimum Qualification for Admission:

MBBS degree from a recognized University or from any other University recognized as equivalent thereto by NIMHANS/MCI and registered with a State Medical Council and currently working with Central or State Government's health departments

Program of Study: With a vision to establish a centre of excellence to foster evidence based public health practices, policies and programs focusing on Mental Health, Neurological, Substance Use and Behavioural Disorders, Injuries (MNSuDI) and Emerging NCDs, NIMHANS has started the Centre for Public Health (CPH). To bridge the gap in human resources and strengthen public health capability of

health and health related sectors, the Centre for Public Health started the Masters in Public Health (MPH) course from the academic year 2013-14.

The MPH course at NIMHANS aims to develop quality public health specialists who will be able to efficiently and effectively manage the constantly evolving health situation and systems of the country. The course based on adult-learning principles would be skill-based and adopt a modular learner-centered methodology. The course will have mental health, neurosciences as the thrust areas and will also focus on practice of public health principles and tools.

Center for Public Health (CPH)

The Centre for Public Health (CPH) has been established at NIMHANS to provide strong inputs for strengthening public health components in formulating policies and program development focusing on problems, priorities, challenges and solutions in the areas of mental health, neurological sciences, substance use and behavioural disorders and injuries as well as other NCDs. The major spheres of influence and domains of activities would be public health research, human resource development, advocacy apart from development, implementation, monitoring and evaluation of policies and programs.

A two-year Masters in Public Health (MPH) course has been started with effect from the Academic year 2013-14. The CPH has the expertise to plan and conduct large scale epidemiological studies, undertake operational research (feasibility of public health programs, evaluate health interventions, etc.), establish health surveillance, disease registries, monitor community based interventions, undertake systematic reviews and meta-analysis, support policy analysis as well as guide and advise on program planning, implementation, monitoring and evaluation at regional, national and international levels. A district level field practice area with a population of 2 to 2.5 million will soon be initiated, which would enable an in-depth examination of the dynamics of the functioning of health services, help us understand determinants of health, provide macro and micro level analyses of health situations and events and serve as a observatory for health managers public health students and researchers.

The CPH offers excellent opportunities for researchers, academicians and policy analysts to address emerging problems. Apart from a large hospital facility that caters to about 5,00,000 patients per year, the department has well established facilities like lecture halls with audio-visual aids, a public health laboratory, demonstration rooms, conference room and several small group discussion rooms. Along with several work stations, standard statistical software is available for data analysis and data presentation. The department also maintains e-databases of several population and hospital-based research programs along with the main Library and Information Centre at NIMHANS. A Public Health Observatory at Kolar district with a population of 1.5 million has been initiated, which provides opportunity for in-depth examination and understanding of the determinants, dynamics of functioning of health services, provides macro and micro level analysis of health situation and events, specifically focused on MNSuDI disorders.

Academic faculty and their research interests

Dr. G. Gururaj, Professor and Head of the department:

Traumatic Brain Injury; Road Traffic Injury; Suicides; Stroke; Prevention of harm from alcohol; Epilepsy.

Dr. N. Girish, Additional Professor:

Maternal mental health; Geriatric mental health; Epilepsy; Prevention of harm from alcohol, Health economics.

Dr. B. S. Pradeep, Associate Professor:

Youth mental health, Infectious diseases, Public mental health interventions, Community Based Rehabilitation for MNSuDIs

Dr. M. S. Gautham, Assistant Professor:

Occupational mental and neurological problems; Tobacco control; Mental health in disasters.

Dr. Vivek Gupta, Assistant Professor:

Movement disorders: Neuro-infections; Chronic psychiatric disorders.

Dr. R. Senthil Amudhan, Assistant Professor:

Child mental health including school mental health; Role of AYUSH in mental health; Psychiatric and neurological rehabilitation.

Department of Human Genetics

The Department of Human Genetics is mainly involved in research, manpower development, teaching and patient care. The research activities of the department are focused on the molecular understanding of the human brain and nervous system disorders. During this year the department has received funding from the national and international agencies to conduct molecular genetic and immunological research on brain tumors and schizophrenia. Five students supported by UGC, CSIR and DST fellowships are currently pursuing their Ph.D in the department. The faculty and students have made significant contribution in their research and published their findings in various international and national journals. The faculty members were invited to contribute book chapters and review articles by reputed international publishers. A number of UG and PG students were trained in the research methodologies pertaining to the complex human genetic disorders. Genetic counseling, both personal and online was provided to the patients and families having sporadic and familial genetic disorders.

Courses

1) Ph.D in Human Genetics: Only external fellowship

Duration: 3 – 5 years

Minimum Qualification for Admission:
M.Sc in any Life Sciences discipline.

Program of study: Initially, the candidate will be provisionally registered for Ph.D Before confirmation of registration, all the candidates have to complete Pre Ph.D examination after one year from the date of provisional registration. The candidate would be trained in both theory and in practical aspects of the curriculum pertaining to the discipline. Later, the candidate would pursue regular Ph.D research work and submit the thesis for award of Ph.D degree.

Academic faculty and their research interests

Dr. Rajalakshmi Gope, Professor & Head of the department:

Molecular genetics of human brain tumors, Genetic counseling, Molecular biology of wound healing.

Dr. G. K. Chetan, Additional Professor:

Human Genetics, Constitutional cytogenetics, Genetic counseling, Genotoxicity, Genetics of MR and fragile X syndrome, Brain tumor biology.

Dr. Monojit Debnath: Assistant Professor:

Immuno-genetical understanding of Psychiatric disorders, Human Genetic diversity.

Department of Mental Health Education

The department aims at developing health education and training materials that will help in meeting the goals of the National Mental Health Plan. The department has expanded its services and strengthened existing activities with new collaborations. .

Courses

1) **Ph.D in Mental Health Education: Only external fellowship***

Duration: 3 – 5 years

Minimum Qualification for Admission:

Masters in Public Health, Health or Behavioural Sciences

Program of study: Initially the candidate will be provisionally registered for Ph.D. The candidate will be trained in both the theoretical and practical aspects of Mental Health Education as well as research methodology. Before confirmation or registration, all the candidates have to complete pre-Ph.D examination. After successful completion of the proposed research and approval of the synopsis, the candidate shall submit thesis for Ph.D degree.

* **No seats are offered for Ph.D in Mental Health Education in the academic year 2015-16.**

Academic faculty and their research interests

Dr. Jayashree Ramakrishna, Professor & Head of the department:

HIV/AIDS, Qualitative research, Gender, Evaluation of health education interventions, stigma.

Dr. K. S. Meena, Assistant Professor:

Department of Neuroanaesthesia

The Department of Neuroanaesthesia is involved in providing services to primarily neurosurgery, neurology, Psychiatry and neuroradiology departments. The department handles 7 operation theatres for Neurosurgery including 24 hours emergency services (head injury, trauma etc.). Neuroanesthesiologists are also involved in the maintenance of neurointensive care (30 beds) which is utmost essential for critical care patients.

Neurology Intensive Care caters to patients with Guillian-Barre syndrome (GBS), myasthenia gravis, stroke, status epilepticus and other neurological patients are admitted to the ICU. The Neuroradiology department performs large number of MRI under anaesthesia, 4 vessel angiogram and therapeutic embolisation and coiling under anaesthesia for various conditions. Psychiatry department requires the help of anaesthesiologists for modified ECT under anaesthesia.

Courses

1) DM in Neuroanaesthesia: 4 Seats

Duration: 3 years

“If no eligible candidates are available under sponsored category for DM in Neuroanaesthesia course, such seats shall be filled by candidates under General Merit Category subject to availability of Senior Residency position at NIMHANS”

Minimum Qualification for Admission:

MD/DNB in Anaesthesiology

Program of study: The course envisages training the candidates in the following areas:

- (i) Basic sciences related to neuroanaesthesia
- (ii) Clinical neuroanaesthesia for neurosurgery
- (iii) Anaesthesia for neuroradiological procedures including interventional neuroradiology and magnetic resonance imaging
- (iv) Neuromedical and neurosurgical intensive care
- (v) Principles of research in neuroanaesthesia
- (vi) Experience in handling modern anaesthesia and intensive care equipment.

Research facilities: The clinical material of the department offers a wide scope for investigation. The department is also equipped with extensive cardiovascular, respiratory and neurological monitoring facilities including pulmonary function testing Transcranial Doppler, bispectral index, spectral entropy, minimally-invasive and non-invasive cardiac output, regional cerebral oxygenation, intraoperative and critical care EEG, bed-side blood gas and electrolyte analysis, anaesthetic agent monitoring and cardiac enzyme assessment. Trans-thoracic and transoesophageal echocardiography are being added shortly. In collaboration with other clinical departments, it is possible to study intracranial pressure and related intracranial dynamics.

2) PDF in Neuroanaesthesia: 4 Seats (2 for foreign / sponsored candidates)

Duration: 1 year

Minimum Qualification for Admission:

MD / DNB in Anaesthesia

3) PDF in Neurocritical Care: 3 Seats (2 ICMR Fellowship under Centre for Advanced Research and 1 Seat sponsored by TVS Group)

Duration: 1 year

Minimum Qualification for Admission:

MD / DNB in Anaesthesia, MD in Internal Medicine, DM in Neuroanaesthesia, DM / DNB in Neurology or M.Ch. / DNB in Neurosurgery.

Program of study: Students are trained in the following areas:

- (i) General principles of critical care including organization of critical care, scoring systems, admission and discharge criteria, transport of patients.
- (ii) Basic Neuroanatomy and Physiology.
- (iii) Pre hospital and Neurointensive care in patients with neurologic injury.
- (iv) Cerebrovascular accidents.
- (v) Traumatic brain and spinal cord injury.
- (vi) Neurological disease including seizure disorder, peripheral motor neurone disease, infectious diseases of CNS.
- (vii) Monitoring in critical care.
- (viii) Neuroimaging and other radiological investigations.
- (ix) Neurorehabilitation and treatment of complications.
- (x) Research in the neurocritical care.

Research facilities: The clinical material of the department offers a wide scope for investigation. The department is also equipped with extensive cardiovascular, respiratory and neurological monitoring facilities including pulmonary function testing Transcranial Doppler, bispectral index, spectral entropy, cardiac output monitor, Arterial blood gas machine, anaesthetic agent monitoring and cardiac enzyme assessment. Transthoracic and Transoesophageal echocardiography has been procured and used in the ICU. The department has state of the art high end ventilator for 30 bedded ICU. Ultrasound machine with all probes procured recently.

3) B.Sc in Anaesthesia Technology: 6 Seats

Duration: 3 years

Pass in Two-year Pre-University examination or equivalent with a Science group having secured an aggregate of 45% in Science subjects.

Academic faculty and their research interests

Dr. K. R. Madhusudan Reddy, Professor and Head
Neuroendoscopy, Studies in intraoperative ICP measurement.

Dr. G. S. Umamaheswara Rao, Senior Professor:
Intensive care, head injury, mechanical ventilation, Cerebral blood flow studies, Indegenization of medical equipment,

Dr. V. Bhadrinarayan, Professor:
Head injury, Intensive care.

Dr. V. J. Ramesh, Professor:
Outcome in intensive care, Mechanical ventilation.

Dr. M. Radhakrishnan, Additional Professor:
Clinical investigation in Neuroanaesthesia.

Dr. K. Sriganesh, Associate Professor:

Dr. V. Sudhir, Assistant Professor:

Dr. K. N. Gopala Krishna, Assistant Professor:

Dr. Sonia Bansal, Assistant Professor:

Dr. Rohini M. Surve, Assistant Professor:

Department of Neurochemistry

The department offers diagnostic services to all the clinical departments through its 24-hour Clinical Biochemistry Unit (CBU) and special diagnostics unit (SDU). The CBU is equipped with high-tech auto analyzers for analysis of blood/urine and CSF samples. The department has, in the recent years, added several new tests like therapeutic monitoring of anti-epileptic drugs, anti-phospholipid and anti-cardiolipin antibodies, lactate, HbA1c, microalbumin, lupus anticoagulant, fibrinogen, angiotensin converting enzyme, anti-thrombin III, protein C & S. The department also offers a high throughput mass spectrometry- based screening test for inborn errors of metabolism.

Courses

1) **Ph.D in Neurochemistry: Only external fellowships**

Duration: 3 – 5 years

Minimum Qualification for Admission:

M.Phil in Neurosciences / M.Sc in Biochemistry / M.Sc in Medical Biochemistry / M.Sc in Biotechnology

Program of study: Initially, the candidate will be provisionally registered for Ph.D Before confirmation of registration, all the candidates have to clear the pre Ph.D examination after one year from the date of Provisional registration. The candidate would be trained in both theoretical and practical aspects of the curriculum of Pre-Ph.D course work. After satisfactory completion of proposed work and approval of synopsis, the candidate shall submit thesis for Ph.D degree.

Area of Research Interests: Molecular basis of cerebrovascular disease, Neurometabolic disorders, Molecular mechanisms of brain aging, neuromuscular and neurodegenerative disorders, primary brain tumors and their therapeutic targets.

Academic faculty and their research interests

Dr. Rita Christopher, Professor & Head

Molecular basis of cerebrovascular diseases, Diagnosis of neurometabolic disorders.

Dr. Sarada Subramanian, Additional Professor:

Developmental of animal models and therapeutic strategies to Alzheimer's disease and related conformational disorders.

Dr. M. M. Srinivas Bharath, Additional Professor:

Red-ox and mitochondrial dynamics in the pathophysiology of brain and muscle.

Dr. D. N. Nanda Kumar, Additional Professor:

Molecular Mechanisms of Primary brain tumors with emphasis on growth and invasion of glioblastoma and its therapeutic targets.

Department of Neuroimaging and Interventional Radiology

The department of the Neuroimaging and Interventional radiology is an important department of the Institute delivering services in the diagnosis of various neurological conditions. It is offering both diagnostic and interventional services and is considered as an ally of neurosurgery in treating various neurovascular conditions through minimally invasive techniques. The department is taking utmost care in delivering both diagnostic and interventional services. This is being reflected in the yearly statistical increase in the number of patients being benefitted by the services. This is being made possible due to better utilisation of man-power and available resources to its optimum extent. To improve the services, in addition to existing equipment, the department has acquired 16 Slice CT scanner GE Optima 540 and is being effectively utilised for increasing the through-put. Molecular imaging in simultaneous association with structural imaging is being increasingly utilised for the diagnosis of various neurological conditions in its early stages. To make it possible, the department has purchased MRI-PET with Cyclotron System and is awaiting its installation. The department, in collaboration with Department of Neurosurgery is involved in doing spinal injection procedures for back ache and trigeminal rhizotomy procedures for patients with trigeminal neuralgia. Additionally, the department is running a 3 years DM –Neuroimaging and Interventional Radiology Course. It is involved in training post graduates students from radiology, neurology and neurosurgery. The students come to NIMHANS for short-term training from various parts of the country. It is also involved in training post graduates (radiology) students from other medical colleges not only from Karnataka but also other states. Students on technical side are also trained in the department under the B.Sc radiography training course. The department has:

1. Three state-of-the-art 16 slice CT scanners with CT Angiography, CT Perfusion, BMD and CT Guided Minimumly invasive procedures like biopsy.
2. Two Biplane digital Substraction Angiography for diagnostic and interventional management of neurovascular diseases with 3T rotational angiography, Dyna CT and DSA guided fluoroscopic intervention facilities. Five bedded post procedure observation ward.
3. Four state-of-the-art top of the line MRI Scanners, out of which two are 3T units with facilities like MR Angiography, Perfusion, Proton, Phosphorous, Carbon Spectroscopy and Sodium Imaging. Image processing facilities for functional MRI including both task and resting sate functional analysis, connectivity analysis and Multimodal network analysis.
4. Molecular imaging and SPECT/PET MR for tumor, epilepsy imaging, imaging of neurodegenerative and psychiatric disorders.

5. Computerized Radiography (CR) and Digital Radiography (DR) system. Pictures archiving communication system, Radiology Information System.
6. Picture Archival and Communication System (PACS) with Radiology System integrated with HIS.
7. Two state-of-the-art Ultrasound for routine imaging, nerve and muscle imaging and Trans cranial Doppler.

Courses

1) **Ph.D in Neuroimaging and Interventional Radiology: Only external fellowships**

Duration: 3 – 5 years

Minimum Qualification for Admission:

MBBS/MD or DNB in Radiodiagnosis/M.Sc in Medical Subjects/BE/B.Tech./M.Tech. Degree

2) **DM in Neuroimaging and Interventional Radiology: 4 Seats (1 for sponsored candidate)**

Duration: 3 years

Minimum Qualification for Admission:

MD in Radiodiagnosis/DNB in Radiodiagnosis Clinical and Research Facilities:

3) **B.Sc in Radiography: 10 (4 for sponsored) (5 seats reserved for Post Diploma candidates)**

Duration: 3 years

Minimum Qualification for Admission:

- a) Pre-University examination conducted by Department of Pre-University Education or any recognized State Board with English and Physics, Chemistry, Biology and Mathematics as optional subjects with 45% aggregate.
- b) Job oriented Diploma course from a recognized Board with Diagnostic Radiography as vocational subject or equivalent.
- c) Any equivalent examination recognized by the NIMHANS, Bangalore for the above purpose with Physics, Chemistry, Biology and Mathematics as principal subjects of study with 45% aggregate.
- d) The candidate should be medically fit.

Academic faculty and their research interests

Dr. Arun Kumar Gupta, Professor and Head of the department:

Interventional Neuroradiology, Advanced Neuroimaging, Materials for Interventional Radiology, PACS.

Dr. Rose Dawn Bharath, Associate Professor:

Functional MRI applications in pre-operative work up, Psychiatric Neuroimaging, cognitive & behavioral sciences, Advanced imaging techniques like spectroscopy, DTI in Neurosciences, CT and MR Perfusion imaging in tumors and vascular disorders and infections.

Dr. Hima Shriniwas Pendharkar, Associate Professor:

Diagnostic Non invasive imaging of neurovascular lesions; Interventional endovascular treatment of all neurovascular – arterial & venous lesions.

Dr. H. R. Aravinda, Associate Professor:

Diagnostic Neuroimaging – Application of perfusion and diffusion MR imaging of brain tumors and mass lesions, Endovascular treatment of brain and spinal AVM, dural AV fistulae and aneurysm coiling.

Dr. Jitender Saini, Assistant Professor:

Diagnostic and interventional neuroradiology.

Dr. Chandrajit Prasad, Assistant Professor:

Proton and phosphorus MRS, Perfusion study in mass lesion, Diffusion tensor imaging, Neurointervention including thrombolysis , aneurysm coiling and treatment of AVM and fistulas.

Dr. Maya Dattatraya Bhat, Assistant Professor:

Pediatric Neuroradiology Imaging of Neuroinfections, Diffusion tensor imaging.

Department of Neurological Rehabilitation

Neurological Rehabilitation Department, the only such department in the country caters to the rehabilitation needs of patients with disabilities due to a wide range of neurological and neurosurgical disorders. The department receives referrals from not only across the length and breadth of the country but also from overseas. The work in the department also includes corrective surgeries for patients with cerebral palsy and decubitus ulcers. Urodynamic Lab facilitates provides opportunities for precise diagnosis and clinical research work. The department has got 22 bedded indoor facilities for inpatient rehabilitation. With significant contribution from paramedical staff like physiotherapists, occupational therapists and orthotic technician, and one faculty each from psychiatric social work department and Clinical Psychology department working with rehabilitation team, this is a multi-disciplinary Neurological Rehabilitation facility in true sense.

Courses

1) **Ph.D in Neurological Rehabilitation: Only external fellowships**

Duration: 3 – 5 years

Minimum Qualification for Admission:

A Candidate who has obtained following degrees from recognized university securing not less than 55% marks, MBBS, Master in Physiotherapy (MPT), Masters in Occupational therapy (MOT), Masters in Orthotics & Prosthetics, M.Phil in Clinical Psychology, M.Phil in Psychiatric Social Work, M.Phil in Clinical Neurosciences, M.Sc in Nursing and M.Sc in Speech Therapy, MD/DNB in Physical Medicine & Rehabilitation can register for Ph.D examination after one year from the date of provisional registration.

Program of Study:

The candidate would be trained in research methodology, theoretical and practical aspects of the curriculum on Ph.D for the duration of 3 years. All the candidates have to complete Pre-Ph.D examination after one year from the date of provisional registration.

Exemption: Faculty working in the department of Neurological Rehabilitation in NIMHANS will not be required to appear for Pre-Ph.D examination (to be considered as per institutes' guidelines). For such candidates the duration of Ph.D will be for two years.

Research Facility: Clinical Neurological rehabilitation OPD and inpatient facilities, dynamic posturography, treadmill with bodyweight support, urodynamic laboratory, gait analysis laboratory, CANTAB for cognitive assessment, Hand robot and fully equipped occupational therapy and physiotherapy sections.

2) PDF in Neurological Rehabilitation: 2 Seats

Duration: 1 year

Minimum Qualification for Admission:

MD / DNB (Physical Medicine & Rehabilitation)

Program of study: To train Psychiatrists in Neurological rehabilitation. Training is offered to post graduates in Physical Medicine and Rehabilitation.

Research Facility: Comprehensive Neurological Rehabilitation Unit with out-patient and in-patient services. Well equipped Physiotherapy, occupational therapy and orthotic section with equipment like body weight support treadmill, dynamic posturography, robotic hand therapy and CANTAB for cognitive assessment. State-of-the-art gait analysis laboratory and urodynamic study lab.

Academic faculty and their research interests

Dr. Arun B. Taly, Professor of Neurology & I/c Head of department:

Dr. Anupam Gupta, Additional Professor (MD – Physical Medicine & Rehabilitation):

Traumatic brain injury, Stroke rehabilitation, spinal cord injury, cerebral palsy & Neurogenic Bladder

Dr. Meeka Khanna, Assistant Professor (MD – Physical Medicine & Rehabilitation):

Spinal cord injury, Urodynamics

Department of Neurology

Courses

- 1) **DM degree in Neurology: 10 Seats** : 4 seats for Post MBBS
6 Seats for Post MD/DNB – Within this 1 seat for sponsored candidate. However, if sponsored candidates are not available, it will go to the institute pool

Duration : 5 years for post MBBS candidates
3 years for post MD/DNB candidates

Minimum Qualification for Admission:

- 1) MBBS Or
- 2) MD/DNB in Internal (General) Medicine or Pediatrics

Facility: The department of Neurology has experienced faculty with varied research interests. It offers research facilities in the areas of diagnosis and management of various acute and chronic neurological disorders. This is backed by well-developed electrodiagnostic laboratory with facilities for EEG, electroneuromyography, evoked potentials, long term video EEG, transcranial magnetic stimulation, sleep laboratory, motor physiology laboratory, magnetoencephalography and doppler ultra-sonography. The department runs speciality clinics for patients with neuromuscular disorders, refractory seizures, movement disorders and Wilson's disease and also has specialized stroke unit, neuro critical care and exclusive neuro infection wards.

- 2) **PDF in Neurology**
- a) Epilepsy : 2 Seats (1 for sponsored)
 - b) Movement Disorders : 2 Seats (1 for sponsored)
 - c) Neuromuscular Disorder : 1 Seat
 - d) Stroke : 1 Seat

Duration: 1 year

Minimum Qualification for Admission:
DM/DNB in Neurology

3) Diploma Course in Clinical Neurophysiology Technology: 6 Seats (2 for Sponsored candidates)

Duration: 2 years

Minimum Qualification for Admission:

B.Sc. with Physics/Electronics/Computer Sciences with minimum II Class in the qualifying examination.

OR

Diploma in Electronics/Electrical/Instrumentation/Computer (approved by Board of Technical Education).

OR

3 years experience as EEG Technician after PUC.

Academic faculty and their research interests

Dr. A. Nalini, Professor and Head of the department:

Motor neurone disease, Neuro muscular disorders.

Dr. P. Satishchandra, Senior Professor & Director / Vice-Chancellor:

Epilepsy, Neuroepidemiology, Neuroinfections, Neuro-AIDS, Epilepsy and genetics, Electroencephalography and evoked potentials.

Dr. A. B. Taly, Professor:

Neurological rehabilitation, Neuromuscular disorders, Sleep, Mitochondrial disorders, Wilson's disease.

Dr. M. Veerendra Kumar, Professor:

Neurocysticercosis, Clinical Electrophysiology, Advanced EMG.

Dr. S. R. Chandra, Professor:

Cognitive and behavioural sciences and dementia.

Dr. Pramod Kumar Pal, Professor:

Transcranial magnetic stimulation and motor physiology, Parkinson's disease and other movement disorders, Ataxias.

Dr. P. S. Mathuranath, Additional Professor:

Cognitive Neuroscience.

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Dr. Sanjib Sinha, Additional Professor:

Epilepsy, Sleep, Electroencephalography, Wilson's disease, Magneto-encephalography.

Dr. P. S. Bindu, Additional Professor:

Pediatric neurology, Mitochondrial Disorders, Neurometabolic and neurogenetic disorders, Leukencephalomalacia

Dr. Girish B. Kulkarni, Additional Professor:

Stroke, Headache, Neuroepidemiology.

Dr. Ravi Yadav, Associate Professor:

Parkinsonism and related disorders, headache, neurocritical care.

Dr. M Netravathi, Assistant Professor:

Neuro Infections, Demyelinating disorders, Auto Immune Encephalitis.

Dr. N. Madhu, Assistant Professor:

Immune mediated neurological disease, Myasthenia Gravis, Guillain Barre syndrome, Sleep, Magnetoencephalography.

Dr. R. Subasree, Assistant Professor:

Peripheral Neuropathy, Clinical Electrophysiology

Department of Neuromicrobiology

The department of Neuromicrobiology has been functioning at this Institute since 1978 and continues to provide clinical diagnostic services in central nervous system infections. Teaching facilities for the post-graduate students of the departments of Neurology, Neurosurgery, Psychiatry and Nursing are provided. The department is actively involved in conducting research in certain identified thrust areas of Neuro-infections, Neuroimmunology, Immunodiagnosics of neuroinfections, Molecular diagnosis of Neurotuberculosis and other opportunistic infections in Neuro AIDS. The immunology section established in the year 1985-1986, especially for the immune diagnosis of Tuberculous meningitis has been expanded to include other CNS infections and has been further strengthened with the available facilities. Many other centres in the country are availing this diagnostic facility. Molecular diagnostic section carried out routine Polymerase chain reaction (PCR) in cases of Tuberculous meningitis and chronic meningitis both for Institute patients and also for all the referred cases from different Neuro Centres from Bangalore City and other parts of the State.

Another thrust area of this department is Neurocysticercosis and its immune diagnosis. After intensive research, an immunodiagnostic test with a high specificity and sensitivity, which can be performed both on CSF and serum, is being used at this department for the diagnosis of Neurocysticercosis. Many such cases are referred from other hospitals and institutes from various parts of India for this diagnostic test.

The emergency laboratory services at the Neuro Centre are provided round the clock. Hospital Infections Surveillance System unit of this department, which was started in 2002, has been in regular service with timely visits by the team to the Operation Theatres, Postoperative wards, and ICUs. The team also conducts regular classes and updates on the practice of prevention of hospital infections and need for universal precautions regularly from time to time. The meetings with the Medical Superintendent and the teams from Anaesthesia, Neurosurgery, Neurology and Psychiatry are held every 3-4 months. Hospital infections strains area being preserved routinely for a further molecular typing for epidemiology of hospital infections by this neuro centre.

Courses

1) **Ph.D in Neuromicrobiology: Only external fellowships**

Duration: 3 – 5 years

Minimum Qualification for Admission:

MBBS / MD Microbiology / BE Biotechnology / M.Phil Neuroscience / M.Sc in Medical Microbiology / Microbiology / Biotechnology / Molecular Biology / MLT / Applied Microbiology / Biochemistry / Biomedical Genetics / Neuroscience

Program of study:

Initially, the candidate will be provisionally registered for Ph.D Before confirmation of registration all the candidates have to complete Pre -Ph.D examination after one year from the date of provisional registration. The candidate would be trained in both theoretical and practical aspects of the curriculum of Pre-Ph.D examination. After satisfactory completion of proposed work and approval of synopsis, the candidate shall submit thesis for Ph.D Candidates with fellowship from registered/recognized agencies only are eligible to apply for Ph.D in Neuromicrobiology.

Research facilities: State-of-the-art facilities for microbiological diagnosis of routine samples, 24x7 CSF processing laboratory, Mycobacteriology laboratory with automated culture system. Bacteriology laboratory with automated culture and sensitivity systems. Mycology section and ELISA in Neuroimmunology section, Molecular biology section with facilities for DNA/RNA isolation, amplification using thermocycler (PCR), Genotyping, etc.

2) PDF in Neuroinfections: 02 Seats (1 for sponsored CANDIDATE)

Duration: 1 year

Minimum Qualification for Admission:

MD in Microbiology

Program of study: The Fellowship program shall be conducted at NIMHANS and such other centers approved by NIMHANS. During the period of study, the candidate has to work under the guidance of the faculty of Neuromicrobiology and Neurovirology, with academic and diagnostic responsibilities. Active participation in seminars, journal clubs, case conferences, didactic lectures shall form the main structures of the fellowship program. The candidate shall be required to share the duties of Senior Resident and participate in all the teaching and training programs of the two departments where they are posted.

3) PDF in Hospital Infection Control: 01 Seat (1 for sponsored)

Duration: 1 year

Minimum Qualification for Admission:

MD / DNB in Microbiology

Academic faculty and their research interests

Dr. R. Ravikumar, Professor and Head of the department:

Opportunistic bacterial, Parasitic, Fungal and Protozoal infections like Tuberculosis, Toxoplasmosis, Amoebic encephalitis and other neuroinfections in immunocompromised individuals.

Dr. Shripad A. Patil, Professor:

Immunology of autoimmune diseases of the central and peripheral nervous system including leprosy. Development of immunodiagnosics for chronic infectious disease of CNS with special reference to CNS TB meningitis and Neurocysticercosis.

Dr. S. Nagarathna, Additional Professor:

CSF cell analysis, cytological studies and bacterial isolation in pyogenic infections of the brain. Delineating cryptococcal meningitis in AIDS patients with clinical correlation; a study of mortality and morbidity. Rapid modes of isolation of M.tuberculosis – PCR, Bactec.

Dr. H. B. Veena Kumari, Additional Professor:

Isolation and molecular analysis of microbial strains isolated from hospital infections in a neurosurgery and ICU set up of NIMHANS.

Department of Neuropathology

The Department of Neuropathology encompasses the following sections: 1) Histopathology, 2) Electron microscopy, 3) Transfusion Medicine Centre, 4) Clinical Pathology & Hematology, 5) Human brain tissue repository and 6) Autopsy service sections.

It provides expert Neuropathology services to neuroscientists within and outside the institute and the year 2013-14 saw an increasing demand for its diagnostic, teaching and research activities. The active research activities of the faculty has translated into the establishment of newer tests and a proposal for a self sustaining model of Advanced Diagnostic facility for Neuromuscular, Autoimmune and Neurooncology diseases utilizing molecular and specialized serological testing. Electron microscopy section—a Common Research Facility, contributes to the comprehensive study of muscle, nerve, skin and brain tumor tissue. It also offers the much needed and appreciated resources and expertise for training PhD students and assisting scientists in their research.

Transfusion Medicine Centre has state-of-the-art facilities and is recognized by NACO as a training center for blood bank officers and technical staff. It plays a pivotal role in providing blood and blood components, and plasmapheresis facility on all days for potentially life threatening GBS and CIDP. Services of Clinical Pathology & Hematology and Transfusion medicine function round the clock. Similarly, the Autopsy service is available at all hours to facilitate clinical autopsies.

The Human brain tissue repository (HBTR/Brain bank), a unique national facility, provides tissues and fluids from normal and diseased states for researchers in the field of Neurobiology. The Neuropathology museum is a star attraction for a large number of curious minds from all walks of society who view the well maintained specimens and are inspired by the complexity of the diseases affecting the human brain.

Courses

1. **Ph.D in Neuropathology: Only external fellowships**

Duration: 3 – 5 years

Minimum Qualification for Admission:

MD in Pathology / M.Sc in Life Sciences/MBBS

Program of study:

Initially the candidates will be provisionally registered for Ph.D Registration confirmation requires

successful completion of pre-Ph.D examination within one year from the date of provisional registration. The candidate will receive training both in theory and practical aspects in accordance with the specified curriculum pertaining to the discipline. Successful completion requires submission of the research work and acceptance of dissertation towards the award of Doctoral Degree.

Research Facilities: Well established Histopathology laboratory for processing Muscle, Peripheral Nerve, Brain, Spinal cord from human and animal origin with special stains and Immunohistochemistry, Transmission Electron Microscopy Facility, Human Brain Tissue Repository for Neurobiological Studies (Human Brain Bank) – A National Research Facility, Transfusion Medicine Centre, Clinical Pathology and a Diagnostic Molecular Pathology Laboratory. Clinical Autopsies are regularly carried out for establishing the cause of death and progression of the disease. Well characterized brain tissues and CSF/serum collected post mortem are frozen and archived in Brain Bank and are available for research. Facilities for research in neurooncology and neuromuscular disorder is available in the Neuro-oncology/ Neuromuscular research laboratory located in the Neurobiology Research Centre. Facilities available include platforms for immunohistochemistry, fluorescent in-situ hybridization, tissue micro array, PCR and advanced imaging platforms, Western Blot, Immunoblots, Mitochondrial enzyme arrays, Auto immune tests and Molecular Genetics.

2. DM in Neuropathology: 02 Seats (1 for sponsored candidate)

Duration: 3 years

Minimum Qualification for Admission:
MD/DNB in Pathology

3. PDF in Neuropathology: 02 Seats (1 for foreign/sponsored candidate)

Duration: 1 year

Minimum Qualification for Admission:
MD/DNB in Pathology

Program of Study: To train diagnostic Neuropathologist. Training is offered to Postgraduate in Pathology (Medical only, MD/DNB Pathology).

Diagnostic and Research facilities: Well established Histopathology laboratory for processing Muscle, Peripheral Nerve, Brain, Spinal cord from human and animal origin with special stains and

Immunohistochemistry, Transmission Electron Microscopy Facility, Human Brain Tissue Repository for Neurobiological Studies (Human Brain Bank) – A National Research Facility, Transfusion Medicine Centre, Clinical Pathology and a Diagnostic Molecular Pathology Laboratory. Clinical /autopsies are regularly carried out for establishing the cause of death and progression of the disease. Well characterized brain tissues and CSF/serum collected post-mortem are frozen and archived in Brain bank and are available for research. Facilities for research in neurooncology and neuromuscular disorder is available in the Neuro-oncology/Neuromuscular research laboratory located in the Neurobiology Research Centre. Facilities available include platforms for immunohistochemistry, fluorescent in-situ hybridization, tissue micro array, PCR and advanced imaging platforms, Western blot, Immunoblots, Mitochondrial enzyme arrays, Auto immune tests and Molecular Genetics.

4. PDF in Transfusion Medicine: 02 Seats (1 for sponsored candidate)

Duration: 1 year

Minimum Qualification for Admission:

MD / DNB in Pathology / Medicine / Pediatrics / Microbiology / Anaesthesia / Emergency Medicine or any other clinical equivalent degree recognized from a recognized institution in India

Program of Study: The Candidate will work full time in the Transfusion Medicine Centre (TMC), actively participating in counseling, screening and bleeding of voluntary blood donors, therapeutic procedures that include phlebotomy and therapeutic plasma exchange, blood component separation, screening for transfusion transmitted infections and other blood safety activities and other responsibilities similar to Senior Resident including participation in teaching and training activities of the centre. The course content will be such as to cover training in all related disciplines of transfusion medicine.

Clinical and Research facilities: TMC and the blood component separation facility is licensed by DCI and is recognized by NACO as a training centre. The TMC is well equipped with state-of-the-art equipment necessary for therapeutic activities and blood safety. More than ten thousand units of blood per year are issued to various wards and other hospitals in and around Bangalore. A large number of blood donation camps are held to procure blood from voluntary blood donors. In addition, a large number of therapeutic plasma exchanges are carried out. TMC has three cell separators for separation is regularly performed appropriate to clinical requirements. NACO has identified TMC as training centre for the state of Karnataka,. TMC conducts several training programs for blood bank officers, technologists and nursing staff working in blood banks throughout the state of Karnataka. TMC also provides training for staff of Blood Storage Centers (BSCs) throughout the state; several private blood banks – stand alone, hospital and medical college based, taking training from TMC, NIMHANS.

Academic faculty and their research interests

Dr. T. C. Yasha, Professor and Head of the department:

Pathology of Peripheral Nerves, Neurodegenerative diseases, Pathology of Neurometabolic disorders.

Dr. S. K. Shankar, Emeritus Professor:

Dr. Vani Santosh, Professor:

Neuro Oncology Research, Developmental Neuro Pathology.

Dr. Sundar Periyavan, Professor of Transfusion Medicine:

Transfusion Medicine, Immunohematology and Therapeutic aphaeresis.

Dr. N. Gayathri, Professor:

Neuro Muscular diseases, Neuro Metabolic Disorders and Ultrastructural Pathology.

Dr. B. K. Chandrasekhar Sagar,

Additional Professor in Electron Microscopy: Ultrastructural Neurobiology, Developmental Neurobiology and Ultrastructural Pathology.

Dr. Anita Mahadevan, Additional Professor:

Pathology of Neuroinfections (AIDS/CJD/Rabies, etc.), Pathology of Peripheral Nerves, Brain Banking, Epilepsy, Developmental disorders of CNS, Fetal Neuropathology.

Department of Neurophysiology

The Department of Neurophysiology was started in the year 1975 with the objectives of providing teaching program in the discipline of neurophysiology for students undertaking various courses in NIMHANS, to conduct state of the art research with a high degree of translational content and to play an important role in man power capacity building in the area of neuroscience. The department also provides clinical/diagnostic services in the area of autonomic and pulmonary function as well as sleep evaluation for neuropsychiatric patients.

M.Phil and Ph.D Courses in Neurophysiology were initiated in 1980 and so far 84 Ph.D and 54 M.Phil degrees have been awarded. The department provides short-term training opportunities to students (MD physiology, B.Tech/M.Tech Biotechnology, M.Sc Life Sciences, etc.) from various Indian Universities and other recognized educational institutions. The faculty successfully obtains extramural research grants from major National funding agencies like DBT, DST, CCRYN, DRDO, CSIR, ICMR and CCRAS for supporting their research studies. The Department has collaborative research programs with several Departments within NIMHANS as well as with other Institutions in India and abroad like National Centre for Biological Sciences (NCBS), Bangalore; Banaras Hindu University, Varanasi, Massachusetts Institute of Technology, U.S.A, University of Sydney and Trinity College, Dublin. The recognition of the departmental activities at the national level is reflected by the fact that the faculty of the department is constantly sought after to conduct training programs/ workshops/conferences by professional bodies and funding agencies.

Courses

- 1. Ph.D in Neurophysiology : 2 Seats under institute fellowship. Candidates with external fellowship are also admitted.**

Duration: 3 – 5 years

Minimum Qualification for Admission:

M.Phil in Neuroscience / Neurophysiology / MBBS / MD in Physiology / MD in Ayurveda / BE / B.Tech. Electronics / Electrical / Computer Science / Biotechnology / M.Sc in Physiology / Biochemistry / Anatomy / Neuroscience / Life Science / Biotechnology / Zoology / Masters in Physiotherapy / Masters in Unani Medicine

Program of study:

Initially the candidates will be provisionally registered for Ph.D Before confirmation of the registration, all the candidates have to complete pre -Ph.D examination. The candidate would be trained in both

theory and practical aspects of the curriculum pertaining to the discipline. After satisfactory completion of proposed research work and approval of synopsis, the candidate shall submit the thesis for award of Ph.D degree.

Research Facilities: Laboratory facilities are available to carry out research in the following areas:

- 1) Neurophysiology of Sleep and Cognition
- 2) Autonomic functions including HRV and BP variability
- 3) Evaluation of pulmonary functions in neuropsychiatric disorders
- 4) Neurobiology of sleep and memory systems
- 5) Cellular and molecular mechanisms of learning and memory
- 6) Neuronal plasticity in developing and adult nervous system
- 7) Neurobiology of motor neurone disease
- 8) Neurobiology of stress, anxiety, depression, epilepsy and brain stimulation reward
- 9) Central nervous system regeneration and the role of stem cells
- 10) Synaptic physiology
- 11) Neural plasticity and brain repair mechanisms
- 12) Activation of resident stem cells in the adult brain: Implications for the treatment of neuropsychiatric disorders
- 13) Single unit recording of action potentials in a freely moving animal.
- 14) Neurobiology of Emotion

2. M.Phil In Neurophysiology : 2 Seats

Duration: 2 years

Minimum Qualification for Admission:

MBBS / BAMS (Ayurveda) / BDS / M.Sc in Physiology / Neuroscience / Anatomy / Biochemistry / Zoology / Biotechnology / Life Science / Molecular Biology / Bachelors in Unani Medicine

Program of study: The course consists of lectures, seminars, laboratory work and dissertation. The course aims at training students to acquire comprehensive knowledge of Neurophysiology from the organism to the cellular level. The areas to be covered include: (i) cellular and developmental neurobiology, (ii) mechanisms of the systems of sensation, movement and posture, (iii) mechanisms of nervous systems governing visceral and endocrinal processes, (iv) neurophysiology of consciousness and higher nervous activity, (v) clinical neurophysiology, electroencephalography and neural imaging and (vi) research methodology covering research techniques in neurophysiology.

The candidates will actively participate in seminars and journal clubs and acquire skills in critically evaluating research findings. They would be exposed to research methodologies covering various aspects of Neurophysiology through postings in several laboratories of the department. Each candidate

is expected to acquire a wide range of experience in experimental skills, which will be achieved by regular participation in practicals. The candidates will carry out specific research project, which will be presented in the form of a dissertation.

Research Facilities: Research facilities to carry out dissertation work are available in the department. It has well equipped laboratories to conduct research in cellular neurophysiology, synaptic physiology, behavioral neurobiology, learning and memory, neuroanatomy, growth and differentiation of CNS, regeneration and degeneration, brain chemistry, neurobiology of stress, Epilepsy, depression and brain stimulation reward, Stem cells and neurogenesis, neurobiology of motor neuron disease, neuronal plasticity, Autonomic and pulmonary functions, neurophysiology of cognition, sleep etc.

The laboratory facilities include electrophysiology, neuromorphology, psychophysiology, neuronal culture and biochemistry to investigate the functioning of nervous system through electrophysiological, morphological, behavioral and biochemical approaches.

Academic faculty and their research interests

Dr. T. R. Raju, Senior Professor and Head of the department:

Animal model of motor neurone disease, Trophic factors, CNS regeneration and role of stem cells, Neuronal plasticity.

Dr. Bindu M. Kutty, Professor:

Role of subiculum in spatial learning and memory functions, Strategies of environmental stimulation and transplantation in establishing functional recovery, Neurobiology of sleep, Neurophysiology of consciousness.

Dr. T. N. Sathyaprabha, Additional Professor:

Autonomic and pulmonary functions in neuropsychiatric disorders, Neurophysiology of yoga, Neurobiology of motor neuron disease.

Dr. B. S. Shankaranarayana Rao, Additional Professor:

Cellular and molecular mechanisms of learning and memory, Amelioration of stress epilepsy and depression induced cognitive deficits, Mechanisms of synaptic plasticity in the hippocampus, Activation of resident stem cells in the adult brain: Implications for treating neuropsychiatric disorders, Synaptic plasticity in transgenic and knockout mouse models of neuropsychiatric disorders, Neural plasticity and brain repair mechanism.

Dr. Laxmi T. Rao, Associate Professor:

The information processing at the neuronal circuitry of the hippocampus, amygdale and prefrontal cortex due to early adverse experience, Information processing in the somatosensory cortex during and following focal ischemia.

Department of Neurosurgery

The department of Neurosurgery is one of the oldest and crucial clinical departments of the Institute. The mission of the department is to provide patient care, run manpower development programmes and conduct research. The department offers three-year and five-year training programmes, leading to the degree of M.Ch. in Neurosurgery.

Courses

- 1) **M.Ch in Neurosurgery: 10 Seats : 4 seats for Post MBBS
6 Seats for Post MS/DNB – Within this 1 seat for sponsored candidate. However, if sponsored candidates are not available, it will go to the institute pool**

Duration: 5 years for post MBBS candidates
3 years for post MS/DNB candidates

Minimum Qualification for Admission:

- 1) MBBS Or
- 2) MS/DNB in General Surgery

Training facilities: The Department of Neurosurgery offers comprehensive training in all aspects of this developing field. It has an advanced OT complex equipped with the most modern microscopes, endoscopes, neuronavigation etc.

It also has a stereotaxy and Gammaknife radio surgery unit, the first of its kind in South India. It manages a specialized head and spine trauma center with excellent facilities. In addition to this, the department has ongoing clinical and experimental research in basic and applied Neurosciences namely Head Injury, Glioma, Cerebral ischemia, Subarachnoid Hemorrhage, Peripheral Nerve and all grafts and spinal dysraphism.

The Training includes:

1. Basic Neurosurgery, to be able to perform Neurosurgical procedures under supervision under assistance and independently.
2. Checking both in and outpatients at casualty, both in patient in the ward, OPD and Casualty.

3. Neurology and Neuroradiology and Neuropathology posting and training. In addition the Post MBBS candidates will undergo one year General Surgery training at the General Hospitals attached to Bangalore Medical College.

Academic faculty and their research interests

Dr. B. Indira Devi, Professor and Head of the department:

Surgery for Craniovertebral junction anomalies, Peripheral nerve repairs, Spinal dysraphism, Neurorehabilitation, Surgery for gliomas General Neurosurgery. Clinical and basic research on peripheral nerve, spinal dysraphism, sub arachnoid hemorrhage and cerebral ischemia, cortical plasticity and functional MRI.

Dr. R. M. Verma, Emeritus Professor:

Dr. S. Sampath, Professor:

Spinal trauma, Instrumentation and stabilization procedures, Endoscopic neurosurgery, Cerebro vascular surgery, Surgery for suprasellar lesions, Gamma Knife Radiosurgery.

Dr. Malla Bhaskara Rao, Professor:

Epilepsy surgery

Dr. Dhananjay I Bhat, Additional Professor:

Cerebro vascular surgery, Peripheral nerve injuries, Craniovertebral and spine fusions, Clinical and Basic research on Peripheral nerve and sub arachnoid hemorrhage, Gammaknife.

Dr. Dwarakanath Srinivas, Additional Professor:

Functional and Minimumly invasive surgery, Skull base surgery, Pediatric neurosurgery.

Dr. Dhaval P. Shukla, Additional Professor:

Pediatric neurosurgery, aesthetic and reconstructive neurosurgery, basic and clinical research on autonomic nervous system, clinical and basic research on head injuries, peripheral nerve surgery.

Dr. A. Arivazhagan, Associate Professor:

Functional and Minimumly invasive surgery, Skull base surgery, Endoscopic surgery.

Dr. Nupur Pruthi, Associate Professor:

Surgery for spine and Gliomas, Clinical and basic research on Head Injuries.

NIMHANS

Dr. K. V. L. Narasinga Rao, Associate Professor:
Spine surgery, Meningioma and Glioma surgery, Gammakinfe.

Dr. V. Vikas, Assistant Professor:

Dr. A. R. Prabhu Raj, Assistant Professor:

Dr. Munjal Tripathi, Assistant Professor:

Dr. Amey Rajan Suvardekar, Assistant Professor:

Department of Neurovirology

The department of Neurovirology was started in 1986. It has completed more than 28 years of existence in the Institute. The main objectives of the department are:

- a. To provide diagnostic services for viral infection of CNS and other viruses
- b. Research and Training in the field of Neurovirology
- c. Man power development

During year, the department continued its service, teaching and research activities. The highlight in the service sector was enlarging the scope of NABL Accreditation from HIV services to include all the viral diagnostics assays carried out for a variety of human viruses. The NABL accreditation was also renewed for a further period of two years. In the area of research the department was able to obtain two prestigious international grants: (i) An Indo-USA Vaccine action program grant on “Immune signatures in Dengue virus infection” in collaboration with Yale University, USA (US\$ 2,50,000) and (ii) Centre for Disease Control (CDC), USA, funded project on “Strengthening surveillance for Japanese encephalitis in India” (US\$ 1.25 million for five years). These projects have been initiated during the year. They thrived to excel in each of its objective. The department continued to maintain its good publication record and was able to publish 19 papers in international peer reviewed journals. During the year two doctoral students completed their work and were awarded PhD degrees and two new students enrolled for PhD.

Courses

1. Ph.D in Neurovirology: External Fellowship only.

Duration: 3 – 5 years

Minimum Qualification for Admission:

MBBS / MD in Microbiology / M.Sc in Medical Microbiology / Microbiology / Biotechnology / Virology

Program of study: Initially, the candidate will be provisionally registered for Ph.D Before confirmation of registration all the candidates have to complete Pre -Ph.D examination after one year from the date of provisional registration. The candidate would be trained in both theoretical and practical aspects of the curriculum of Pre-Ph.D examination. After satisfactory completion of proposed work and approval of synopsis, the candidate shall submit thesis for Ph.D degree.

Academic faculty and their research interests

Dr. V. Ravi, Professor and Head of the department

HIV diagnosis, development of kits, antiretroviral therapy. Japanese encephalitis.

Dr. S. N. Madhusudana, Professor:

Rabies development of diagnostic kits, clinical trails on intradermal vaccines with cell culture vaccines, development of plant based vaccines for rabies, development of monoclonal antibodies for rabies, Antiviral drugs, immune-pathology of Rabies.

Dr. Anita S. Desai, Additional Professor:

Laboratory diagnosis of viral infections of the nervous system, molecular virology of neurotropic viruses to understand pathogenesis.

Dr. Reeta Subramaniam Mani, Assistant Professor:

Molecular diagnosis of viral infections

Department of Nursing

The Department of Nursing extends comprehensive, holistic and evidence based nursing service round the clock to patients with neurological, neurosurgical and psychiatric disorders in the inpatient wards, outpatient department, rural and urban mental health centers and in rehabilitation day care centers. The Department of Nursing caters to the needs of the family members of both in-patients as well as out-patients including those in the community.

The Department of Nursing empowers nurses from India as well as other countries with competencies to provide standard nursing care in the neurological and psychiatric nursing super-specialties'. Nursing students are trained to apply theory in the clinical scenario using critical thinking, problem solving and decision making abilities. Nursing students as well as nursing personnel are encouraged to conduct quality research and disseminate the findings either through indexed journals or conference presentations. The Department efficiently co-ordinates various educational programs namely Post Basic Diploma in Mental Health/Psychiatric Nursing, Post Basic Diploma in Neurological and Neurosurgical Nursing, M.Sc in Psychiatric Nursing & Ph.D in Psychiatric Nursing.

The Department of Nursing provides consultative services for organizing neuro, psychiatric nursing care services and educational program in various parts of the country as well as within NIMHANS through the multi-disciplinary team approach.

Courses

1. **Ph.D in Nursing: External Fellowship only.**

Duration: 3 – 5 years

Minimum Qualification for Admission:
Master's Degree in Psychiatric Nursing

Program of study: During the first year, the candidate will be given training in the theoretical and practical aspects of the problem and the research methodology related to the proposed topic. All the candidates have to appear for pre -Ph.D Examination after one year from the date of provisional registration. The candidate will have two years of supervised clinical work in nursing with special emphasis on areas of related to the topic of research. After the completion of the proposed research work, the candidate will submit the thesis for award of Ph.D

Research facilities: The Department of Nursing has a well-developed infrastructure to support teaching and research activities. There is good clinical facility and adequate reference books in the library for the students. The faculty members guide the research activities of the students in the areas of Neuro critical, infection control, effectiveness of structured teaching program, self-care ability development among neurologically dependent and psychiatrically ill patients. Counseling psychiatric patients and their families, follow up work on domiciliary care services in OPD and community.

There are excellent clinical facilities in the areas of psychiatric nursing, neuro sciences nursing, community mental health – neuro nursing both in rural and urban and neuro-psychiatric rehabilitation nursing. The department has close collaboration with all other departments of the Institute for further support in the research activities and it is a part of multi-disciplinary team.

2. **M.Sc in Psychiatric Nursing: 9 Seats**

Duration: 2 years

Minimum Qualification for Admission:

- a) The candidate should be a Registered Nurse and Registered Midwife or equivalent with any State Nursing Registration Council.
- b) The minimum education requirements shall be the passing of B.Sc. Nursing/B.Sc. Hons.Nursing/ Post Basic B.Sc. Nursing with minimum of 55% aggregate marks.
- c) The candidate should have studied B.Sc. Nursing/B.Sc. Hons. Nursing/Post Basic B.Sc. Nursing in an institution which is recognized by INC.
- d) Minimum of one year experience after Basic B.Sc. Nursing as on the day of counseling.
- e) Minimum of one year of work experience prior to or after post Basic B.Sc. Nursing as on the day of counseling.
- f) Candidate shall be medically fit.

3. **Post Basic Diploma in Psychiatric/Mental Health Nursing: 45 Seats**

Duration: 1 year

Minimum Qualification for Admission:

Should be a registered Nurse (R.N&R.M) in the State Nursing Council with one year experience as staff nurse.

4. **Post Basic Diploma in Neurosciences Nursing: 9 Seats**

Duration: 1 year

Minimum Qualification for Admission:

Should be a registered Nurse (R.N&R.M) in the State Nursing Council with one year experience as staff nurse.

Nurses applying for the above courses from other countries to obtain an Equivalence Certificate from INC before applying.

5. B.Sc in Nursing : 77 Seats (Under the College of Nursing)

Duration: 4 years

Minimum Qualification for Admission:

- Pre-University examination conducted by Department of Pre-University Education with Physics, Chemistry, Biology and English with a minimum 45% aggregate in the above subjects.
- Higher Secondary School Certificate Examination (12 years course) with Physics, Chemistry, Biology and English with a minimum 45% aggregate.
- Senior School Certificate examination Pre-Degree Examination (10+2) with Physics, Chemistry, Biology and English with a minimum 45% aggregate.
- An Equivalent with 12 years of Schooling from a recognized Board or University with Physics, Chemistry, Biology and English with a minimum 45% aggregate.
- The Candidate shall be medically fit.

Academic faculty and their research interests

Dr. K. Lalitha, Professor and Head

Mental health counseling and disaster intervention. Developing empathy skills in nursing personnel, School mental health programs, Stress management programs.

Dr. Ramachandra, Additional Professor and Principal, College Of Nursing

Electro-convulsive therapy, Substance Abuse related problems, Rehabilitation, HIV & Mental Health.

Dr. Sailaxmi Gandhi, Associate Professor:

Occupational Stress, Stress Management programs, School Mental Health, Child & Adolescent Psychiatric Nursing and Psychiatric Rehabilitation.

Dr. Prasanthi Nattala, Assistant Professor:

Developing and testing interventions for individuals with substance use disorders.

Dr. Pratibha Swamy, Associate Professor:

Quality of life in cancer patient, Status of working women.

Lecturers:

Dr. K. N. Jayanthi: Rehabilitation of Psychiatric patients
Mr. B. Jayakumar: Health Education
Mrs. Asha Anitha D'Souza: Coronary care
Mrs. H. N. Poornima: Girl children and Sports
Mrs. Priya Baby: Stroke nursing in acute phase
Mrs. D. Kanitha: Mentorship in Nursing
Dr. S. Valliammal: Value of play in children and nurse autonomy
Dr. C. Rajeswari: Women prisoners and correctional nursing
Ms. S. Jeeva: Neonatology and non-communicable diseases

Clinical Instructors:

Mrs. T. S. Sunitha: Care of Elderly
Mrs. P. Vijayalakshmi: Human rights of mentally ill, Women's mental health
Mrs. A. Shamala: Child Psychiatry, Electro Convulsive Therapy
Mrs. N. Padmavathi: Behaviour therapy for children
Mrs. P. Jayanthi: Hospital budgeting, Non-pharmacological management in Diabetes
Mrs. G. Jothimani: Guidance and counseling for wives of alcoholics
Mrs. S. Jeyamari: Case study
Mrs. Pamela John: Telephonic conversation in nursing, Surgical Intensive Care Nursing
Mrs. C. Y, Kesiya: Guidance & Counselling
Ms. P. Vimal Devi: Health Education
Mrs. R. Rajalakshmi: Rehabilitation of patients
Mrs. D. Mythili: Inventory in nursing, New teaching strategies in nursing education
Mrs. S. Sivakami: Evaluation techniques
Mrs. N. Sathyavathy: Stress Management in nurses, Effective parenting techniques
Mrs. K. Suguvana Selvi: Performance appraisal
Mrs. P. Annie John: Case discussion
Mr. K. Kannan: Nursing care conference
Mrs. Bingi Rajeshwari: Stress Counselling
Ms. T. Suseela: Role play in health teaching
Mrs. S. Vijayalakshmi: Non-Pharmacological approaches to relieve labour pain
Mr. N. Rajesh: Health Administration in community

Department of Psychiatric Social Work

The department of Psychiatric Social Work has been established with a vision of promoting psychosocial well-being of individuals, families and communities. The department has translated its vision into reality by providing the best possible psychosocial services and offering advanced level of teaching and training through pre doctoral, doctoral and fellowship programs. It is creating evidence based research for building theory and practice. It has enriched the collaboration and cooperation with a network of Schools and departments of Social Work both in India and across the globe. It is working in close collaboration with the State/Central Government departments, Non-Governmental and Governmental Organisations. The members of the department through the nodal centres for psychosocial support for disaster survivors play a pivotal role in provision of service, training and research in the newer areas of psychosocial disaster risk reduction and preparedness in the state of Karnataka. The department has been recognized for its innovative activity of capacity building the grass root, mid and senior level personnel of the Women and Child Department of the Government in actualizing the Integrated Child Protection Scheme. The members of the department are significantly contributing to other Central, State and Deemed University, Department of Social Work in their Boards of Study, Exam, Appointment and Selection. The Department is an Institutional Member of the International Association of Schools of Social Work and the Asia Pacific Association of Social Work Education.

Courses

1. **Ph.D in Psychiatric Social Work : 1 Seat under Institute Fellowship.**
Candidates with External Fellowship are also considered

Duration: 3 – 5 years

Minimum Qualification for Admission:

2 years full time Masters Degree in Social Work/ M.Phil in Psychiatric Social work

Program of study:

The candidate would be trained in research methodology, theoretical and practical aspects. All the candidates have to complete Pre-Ph.D examination after one year from the date of provisional registration.

2. **M.Phil in Psychiatric Social Work : 21 Seats (3 for foreign/sponsored)**

Duration: 2 years

Minimum Qualification for Admission:

2 years full time MA/MSW degree in Social Work.

Program of Study: In the two years Program, the Candidates are exposed to application of methods, techniques and skills of social work for promotion of mental health, prevention of mental disorders, therapeutic interventions at individual, group and family level as well as after care and rehabilitation in institutional, semi institutional and non-institutional settings. At the end of the second year, they have to submit a dissertation using explorative-descriptive, experimental-evaluative research studies related to Psychiatric Social Work.

Research facility: The department's active collaboration with voluntary agencies, governmental agencies, schools of social work and Universities facilitates the process of undertaking interdisciplinary research in priority areas of mental health in general and Psychiatric Social Work in particular.

3. Fellowship in Psychosocial Support in Disaster Management: 8 Seats (4 for sponsored)

Duration: 1 year

Minimum Qualification for Admission:

M.Phil in Psychiatric Social Work / Clinical Psychology / Psychosocial Rehabilitation / Disaster Management or M.Sc in Psychiatric Nursing with one year experience after completion of M.Sc course.

Academic faculty and their research interests

Dr. K. Sekar, Professor and Head

Community Mental Health, Disaster Psychosocial Support and Mental Health Services.

Dr. R. Parthasarathy, Professor:

Student Mental Health and Family Mental Health.

Dr. D. Muralidhar, Professor:

Substance abuse, Chronic mentally ill and Psychosocial Interventions for Mental disorders, sexual minorities.

Dr. N. Krishna Reddy, Additional Professor:

Psychiatric Social Work Interventions in Neurosurgery and Fieldwork training.

Dr. R. Dhanasekara Pandian, Additional Professor:

De-addiction Community Care, Counseling and Allied training Program.

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Dr. A. Thirumoorthy, Additional Professor:

Suicide prevention, Stress management, Geriatric care and palliative care.

Dr. Md. Ameer Hamza, Associate Professor:

Rehabilitation of persons with psychosis, Caregiver intervention, Adolescent health.

Dr. B. P. Nirmala, Associate Professor:

Psychiatric and Neurological Rehabilitation and Field work training in Social Work.

Dr. N. Janardhana, Associate Professor:

Community based rehabilitation, Child and Adolescent Mental Health, Preventive and Promotive Mental health activities.

Dr. M. N. Vranda, Assistant Professor:

Psychosocial interventions and women with intimate partner violence.

Dr. Kavita V.Jangam, Assistant Professor: (On Contract)

Child abuse and neglect, Intervention and research, Psychosocial care and Disaster management, Women and Mental Health, Research in Psychiatric Social Work.

Dr. E. Arvind Raj, Assistant Professor: (On Contract):

Community Mental Health, Psychosocial Care in disasters, Research and Statistics.

Dr. Gobinda Majhi, Assistant Professor:

Department of Psychiatry

The Department of Psychiatry, NIMHANS is one of the largest in South East Asia with 30 faculty members, 22 senior residents and 84 post graduate trainees. Clinical work in the department is through Outpatient Clinics and Inpatient Services. The General Outpatient runs 6 days a week with both evaluation and follow-up services each day. Special clinics run by the department are as follows:

De-Addiction Clinic	- Monday, Thursday, Saturday (AM)
Tobacco Cessation Clinic	- Monday, Saturday (AM)
OCD Clinic	- Tuesday (AM)
Metabolic Clinic in Psychiatry	- Wednesday (AM)
Schizophrenia Clinic	- Wednesday (AM)
Rehabilitation OPD	- Wednesday (AM/PM)
Perinatal Clinic	- Friday (AM)
Old Age Psychiatry	- Saturday (PM)

The Department has a large inpatient set-up with 550 beds, De-addiction Services, Family Psychiatric Center and Psychiatric Rehabilitation Day Care Centre.

Psychiatric rehabilitation services are provided in OPD, daycare and inpatient settings: Inpatients admitted under psychiatry are referred for rehabilitation services.

The Department is also runs the Community Mental Health Services for the last three decades The facility provides community based mental health services in 6 districts of Karnataka in addition to supporting several more districts.

The department is active in the training of professionals from other disciplines in the Institute and from other parts of India and SAARC region. Other training activities of the department include

1. PHC doctors under the National Mental Health Program.
2. Certificate courses in Family Psychiatry, Child Psychiatry and Substance Abuse
3. Regular de-addiction training for both medical and non-medical health professionals
4. One week training program in students Counseling for college teachers
5. Regular workshops for teachers of secondary schools, Community Level Workers, volunteers, NGOs on School Mental Health using Life Skills Education for adolescents
6. There are periodic training workshops on diverse topics like Communication Skills, Grief & Bereavement, Clinical Audits, Psycho oncology, chronic pain and Palliative care.
7. "Caregivers" education and support program workshops.

Newer training methods related to Medical Teaching like Objective Structure Clinical Examination (OSCE), problem based learning, role play and Small Group Activities are being conducted on a regular basis.

Courses

1. **Ph.D in Mental Health Rehabilitation : External Fellowship only.**

Duration: 3 – 5 years

Minimum Qualification for Admission:

M.Sc in Psychosocial Rehabilitation / M.Phil in Clinical Psychology / M.Phil in Psychiatric Social Work / M.Sc in Psychiatric Nursing / MBBS

Program of study: A candidate who has obtained M.Sc in Psychosocial Rehabilitation, M.Phil in Clinical Psychology, M.Phil in Psychiatric Social Work, M.Sc in Psychiatric Nursing and MBBS from any recognized University or any other University recognized as equivalent thereto by NIMHANS securing not less than 55% marks can register for Ph.D examination after one year from the date of provisional registration. The candidate would be trained in research methodology, theoretical and practical aspects of the curriculum on Ph.D for duration of 3 years. The candidate has to complete Pre-Ph.D examination after one year from the date of provisional registration.

Research facility: Day care centre for people with chronic mental illness, clinical facilities for psychiatric rehabilitation, multidisciplinary team for rehabilitation, Services for Enhanced Recovery with Intensive and Continued Engagement (SERWICE) OPD, Inpatient referrals, Inpatient rehabilitation, home based rehabilitation, community based rehabilitation, social skills training, vocational training, community based day care centres and rehabilitation facilities by NGO's where NIMHANS provides technical support

2. **Ph.D in Psychiatry: External Fellowship only.**

Duration: 3 – 5 years

Minimum Qualification for Admission:

MBBS / MD / Postgraduate degree in the Basic Sciences or Humanities / BE / B.Tech. / ME / M.Tech.

3. **DM in Addiction Psychiatry: 2 Seats (1 for sponsored)**

Duration: 3 years

Minimum Qualification for Admission:

MD/DNB in Psychiatry

4. **MD in Psychiatry: 31 Seats (8 seats for Karnataka domiciles) (2 seats for sponsored candidates of which 1 seat is for domiciles of Karnataka). However, if sponsored candidates are not available, one seat will go to the Institute pool**

Duration : 3 years for post MBBS candidates
2 years for post DPM candidates

Minimum Qualification for Admission:

- 1) MBBS Or
- 2) DPM

5. **PDF in Acute Care & Emergency Psychiatry: 2 Seats (1 for sponsored)**

Duration: 1 year

Minimum Qualification for Admission:

MD/DNB in Psychiatry

6. **PDF in Community Mental Health: 3 Seats (2 for sponsored)**

Duration: 1 year

Minimum Qualification for Admission:

MD/DNB in Psychiatry

7. **PDF in Addiction Medicine: 4 Seats (2 for sponsored)**

Duration: 1 year

Minimum Qualification for Admission:

MD/DNB in Psychiatry

8. **PDF in Consultation Liaison Psychiatry: 2 Seats (1 for sponsored)**

Duration: 1 year

Minimum Qualification for Admission:

MD/DNB in Psychiatry

9. PDF in Geriatric Psychiatry : 2 Seats (1 for sponsored)

Duration: 1 year

Minimum Qualification for Admission:
MD/DNB in Psychiatry

10. PDF in Obsessive Compulsive disorder & related disorders : 3 Seats (2 for sponsored)

Duration: 1 year

Minimum Qualification for Admission:
MD/DNB in Psychiatry

12. PDF in Clinical Neuro Sciences & Therapeutics in Schizophrenia: 3 Seats (2 for sponsored)

Duration: 1 year

Minimum Qualification for Admission:
MD/DNB in Psychiatry

**13. Fellowship in Psychiatric Rehabilitation* - 02 Seats (Under Medical) (1 sponsored)
- 02 Seats (Under Non-Medical) (1 sponsored)**

Duration: 1 year

Minimum Qualification for Admission:

Candidates who possess the following degrees / diplomas a) Diploma in Psychiatry / Psychological Medicine or MD (Psychiatry) or DNB (Psychiatry), b) M.Phil in Clinical Psychology / Psychiatric Social Work, c) M.Sc in Psychosocial Rehabilitation. Direct candidates as well as those deputed from other organizations can be admitted to the course. Those with MBBS and those with MA in Psychology / MSW / M.Sc Nursing who have had minimum of 2 years of experience of having worked in a mental health setting are eligible. (If M.Phil or Diploma is for only 1 year duration, then 1 additional year of experience in mental health setting is necessary).

*Candidates sponsored by the NGO's also can apply for this course. The sponsorship letter should be in the NIMHANS prescribed format as shown under sponsorship certificate. If no candidates are qualified under medical category, the seats will be filled by candidates from the non-medical category and vice-versa.

Special Facility

Yoga Centre

The Advanced Centre for Yoga at NIMHANS is a facility that offers Yoga therapy to patients with psychiatric and neurological disorders. This was set up in collaboration with the Morarji Desai National Institute of Yoga, New Delhi and the Dept. of AYUSH, Govt. of India. The faculty associated with the Centre have also established a technical collaboration with Swami Vivekananda Yoga Anusandhana Samsthana, Bangalore. Each day, close to 40 patients receive yoga services under the aegis of the Centre.

Along with patient services, multidisciplinary research on Yoga has been initiated, involving several departments of NIMHANS. The Centre provides opportunities to pursue not only independent research but also course-related research as part of MD, DM, M.Sc and Ph.D courses. Areas of research include clinical studies of yoga in different disorders with neurobiological correlates the neurobiological mechanisms of yoga therapy in psychiatric and neurological disorders and the neurobiology of consciousness as related to yoga.

Academic faculty and their research interests

Dr. Dr. Mathew Varghese, Professor and Head of the department:

Family Issues and Mental Health, Geriatric Psychiatry, Community Psychiatry.

Dr. R. S. Pandey, Professor:

Biological Psychiatry and Mind Body Medicine.

Dr. B. N. Gangadhar, Professor:

Schizophrenia, Electro Convulsive Therapy, Yoga & Complementary Medicine, Community Mental Health.

Dr. S. K. Chaturvedi, Professor:

Cancer and Mental Health, Chronic Pain, Psychosomatics, Quality of Life & Consultation – Liaison Psychiatry.

Dr. Sanjeev Jain, Professor:

Genetics of Psychiatric disorders, History of Psychiatry, Phenomenology, Biological Psychiatry.

Dr. Prabha S. Chandra, Professor:

HIV and mental health, Women's mental health.

Dr. Pratima Murthy, Professor:

Substance Abuse, History of Psychiatry, Psychiatric Training, Neuropsychiatry.

Dr. Srikala Bharath, Professor:

Old Age Psychiatry, School Mental Health using Life Skills Education, Children at risk, Disaster and Mental Health.

Dr. Y. C. Janardhan Reddy, Professor:

Obsessive Compulsive Disorders, Anxiety Disorders and Bipolar disorder.

Dr. Vivek Benegal, Professor (De-Addiction Unit):

Substance abuse related disorders, Neurobiology and genetics of addiction.

Dr. Jagadisha Thirthalli, Additional Professor:

Schizophrenia, Somatic therapies (ECT, rTMS, Yoga).

Dr. John P. John, Additional Professor:

Phenomenology, Nosology and Neurobiology EEG, Structural and Functional MRI, Neuropathology, Neuropsychology, Molecular Genetics of Schizophrenia.

Dr. B. M. Suresh, Additional Professor:

Obsessive compulsive disorder: Genetics, Forensic Psychiatry & Community Psychiatry.

Dr. G. Venkatasubramanian, Additional Professor:

Evolutionary Psychiatry, Psychoneuroendocrinology, Psychoneuroimmunology, Metabolic Disorders in Psychiatry, Neuroimaging (MRI, fMRI, DTI & MRS) and Genetics in Psychiatry, Schizophrenia, Biology of Obsessive Compulsive Disorder, Human Evolutionary Genetics, Evolutionary Biology.

Dr. P. T. Sivakumar, Additional Professor:

Geriatric Psychiatry, Metabolic Disorders in Psychiatry, Psychiatric Rehabilitation.

Dr. Geetha Desai, Additional Professor:

Women's Mental Health, Chronic Pain and Somatoform disorders.

Dr. Shivarama Varambally, Additional Professor:

Early onset psychosis and Schizophrenia, Neurological Signs in Schizophrenia, Yoga in Psychiatry, Electro Convulsive Therapy.

Dr. Prabhat Kumar Chand, Additional Professor:

Substance/Drug abuse related disorders, Bipolar disorder and dual diagnosis.

Dr. K Muralidharan, Additional Professor:

Vulnerability to Alcoholism and Substance use disorders, Treatment of substance use disorders, Transcranial Magnetic Stimulation, Electro-Convulsive therapy.

Dr. T. Harish, Associate Professor:

Maternal Infant Bonding, Neurobiology of Postpartum Psychiatric Disorders, Acute Psychosis, Seizures and Psychiatry, Bioethics.

Dr. Santhosh Loganathan, Associate Professor:

Stigma and Mental illness, Geriatric Psychiatry, Family therapy, Mental health literacy and advocacy.

Dr. V. Senthil Kumar Reddi, Assistant Professor:

Emergency Psychiatry, Consultation Liaison Psychiatry

Dr. C. Naveen Kumar, Assistant Professor:

Severe Mental Disorders in Rural Communities, Electro convulsive therapy and other brain stimulation techniques, Forensic Psychiatry, Psychiatric Rehabilitation.

Dr. A. Shyam Sundar, Assistant Professor:

Obsessive compulsive disorders, Anxiety disorders, Trans cranial magnetic stimulation.

Dr. K. Arun, Assistant Professor:

Adolescents and addiction, Dual diagnosis, Teaching and training.

Dr. Preethi Sinha, Assistant Professor:

Psychopharmacology, Geriatric Psychiatry.

Dr. T. Sivakumar, Assistant Professor:

Psychiatric disability, Psychiatric rehabilitation, Caregiver programs.

Dr. Sydney Moirangthem, Assistant Professor:

Community Psychiatry

Dr. C. N. Janardhanan, Assistant Professor:

Dr. Biju Viswanath, Assistant Professor:

Dr. Urvakhsh Mehta, Assistant Professor of Psychiatry & welcome Trust DBT India alliance Early Career Fellow

Dr. N. Manjunatha, Assistant Professor:

Department of Psychopharmacology

During 2013-14, the Department of Psychopharmacology made significant contributions to world literature with reviews on different aspects of psychopharmacology in high-impact international journals. Four original papers on the mechanism of action of electroconvulsive therapy (ECT) were especially noteworthy. These studies demonstrated that ECT dose-dependently stimulates neuroplasticity in the hippocampus, and dose-dependently inhibits neuroplasticity in the amygdala. These effects can explain the mechanism of action of ECT in conditions such as depression and posttraumatic stress disorder: the former changes improve adaptive functioning and the latter disentangle fear from memories. A study on endophenotype characterization of schizophrenia received the Bombay Psychiatric Society Silver Jubilee Award from the Indian Psychiatric Society at its National Conference in 2014. Three position statements from the department were approved by the Indian Psychiatric Society. This department is the only one of its kind in the country and serves as a national resource for CMEs, Workshops, and other educational programs for professional audiences.

Courses

1. Ph.D in Psychopharmacology: External Fellowship only

Duration: 3 – 5 years

Minimum Qualification for Admission:

MD in Pharmacology / Physiology / Biochemistry / MBBS / BE Biotechnology / Bioinformatics / B.Tech. Biotechnology / Bioinformatics / ME Biotechnology / Bioinformatics / M.Sc in Pharmacology / Physiology / Biochemistry / Life Sciences / Biotechnology / Bioinformatics

Program of Study:

1. Anatomy and physiology of the central nervous system.
2. Neurotransmitters and molecular signaling in the central nervous system
3. Animal models in psychopharmacology
4. Clinical and experimental psychopharmacology
5. Brain stimulation, with especial reference to electroconvulsive therapy (ECT) and transcranial direct current stimulation (tDCS)

Fields of investigation:

1. Electroconvulsive therapy (clinical and animal investigations)
2. Transcranial direct current stimulation (clinical investigations)
3. Clinical and experimental psychopharmacology (with allopathic and herbal medicinal substances)
4. Learning and memory (clinical and animal investigations)

Research facilities:

1. Instrumentation for computerized ECT and tDCS
2. Animal models of depression, learning, memory and locomotor activity
3. Common laboratory facilities as available in the Institute

Academic faculty and their research interests

Dr. Chittaranjan Andrade, Professor and Head of the department:

Electroconvulsive Therapy, Drug trials, Herbal medicines.

Dr. N. Pradhan, Senior Professor:

Nonlinear dynamics, Complex systems, Molecular modeling, Behavioural psychopharmacology, Indigenous drug development.

Department of Speech Pathology & Audiology

The main activities of the department are in the domains of clinical service, training and research. The department has been contributing to manpower development programs in the country through its internship program for graduates in speech and hearing, and allied sciences. Our department is most sought after for this program as evident from the large number of applications for internship training. The department's contribution to national and international programs is through membership in the advisory councils of several organizations as well as through multidisciplinary research projects.

Courses

1. **Ph.D in Speech Pathology & Audiology** : **1 seat under Institute Fellowship.**
Candidates with External Fellowships are also considered

Duration: 3 – 5 years

Minimum Qualification for Admission:

M.Sc in Speech Pathology & Audiology or M.Sc in Speech-Language Pathology or M.Sc in Audiology.

Program of study: The Candidate admitted for the program will be thoroughly trained in clinical and theoretic aspects of the field of Speech-Language Pathology and Audiology. However, the emphasis of theoretical training will be on the topics related to the doctoral program. This is in addition to the training program that the candidate has to undergo which is stipulated by the Institute. The department has full fledged laboratories for work in the areas of Speech-Language Pathology and Audiology. The strength of the department is in the number and variety of the clinical population it caters to.

Research Facilities: Full fledged speech pathology and audiology laboratory. Multidisciplinary interaction. Excellent clinical material in the area of neuropsychiatric communication disorders.

Academic faculty and their research interests

Dr. N. Shivashankar, Professor and Head

Clinical neuroaudiology, Central auditory processing disorders, Adult and childhood speech-language disorders.

Dr. M. Jayaram, Senior Professor:

Neurogenic communication disorders, Stuttering, Voice disorders, Speech perception and production, Instrumentation, Auditory dyssynchrony.

Dr. V. P. Vandana, Assistant Professor:

Neurogenic communication disorders, Autism, Dysarthria, AAC, Neuroimaging studies of speech-language.

Dr. B. K. Yamini, Assistant Professor:

Neurogenic communication disorders, Neurogenic dysphagia, Childhood communication disorders.

Sponsorship / Deputation

- Minimum qualifications for sponsored / deputed candidates are the same as indicated for all the courses.
- Sponsored / deputed candidate means permanent employees sponsored by the State / Central Government or Public Sector undertakings of State / Central Government.
- Sponsored / deputed candidates should also qualify in the entrance test.
- The candidate should produce the sponsorship / deputation certificate in the prescribed format (Annexure 1)
- Application can be forwarded by immediate superior officer. However, the sponsorship / deputation letter from the competent authority has to be furnished by the candidate at the time of counseling.
- The candidature of applicants failing to produce sponsorship / deputation letter at the time of counseling will be treated as cancelled and not allowed for counseling.
- 10% relaxation in the qualifying marks of the Entrance Test will be given for all Sponsored / deputed Candidates applying for PDF courses

External fellowship for Ph.D program

Candidates with sponsorship / deputation from Government of India / State Govt. Institutions / Universities, candidates with Fellowships from Government Agencies like UGC, CSIR, ICMR, DBT (JRF / SRF only) and permanent employees / tenured employees of NIMHANS can apply for Ph.D in the various departments of this Institute, Candidates sponsored by NGO's also can apply for this course. However, such applications will be considered at the discretion of the competent authority at NIMHANS for permitting them to appear for Entrance Test and interview. Candidates who have cleared the UGC, CSIR, ICMR, DBT (JRF/ SRF only) qualifying exams are exempted from Entrance Test.

All the candidates have to attend an interview and qualify by obtaining a minimum of 50% marks to be eligible for admission to the Ph.D program. Mere qualifying in Entrance test and interview does not entitle admission to Ph.D course. Selection is subject to availability of eligible guides in the respective departments. The admitted students have to work on full-time basis for a minimum period of **three** years. Entrance test and interview for selection of candidates for Ph.D programs will be held in the months of March and June.

Qualifying examination requirement for various medical courses

- (a) MBBS degree from a recognized University or from any other University recognized as equivalent thereto by NIMHANS and by the Medical Council of India.
- (b) (i) The candidate should have completed compulsory rotation internship of one year after MBBS or its equivalent recognized by Medical Council of India on or before the date of commencement of course. A certificate to that effect has to be produced. The candidate should have permanent registration with State Medical Council.

(ii) In case of Candidates who have not completed the Internship and have not registered with any State Medical Council, but are selected in the counseling, will not be considered for admission unless the Internship Completion Certificate and the State Medical Council Registration Certificate are produced on or before the date of commencement of course failing which, the seat allotted will be cancelled without any further communication and the Candidate next in the order of Merit in the waiting list will be considered.
- (c) (i) Candidates who have MD/MS/DNB/DPM from a recognized University or from any other University recognized as equivalent thereto by NIMHANS and by the Medical Council of India may apply for the course. However, Candidates who are awaiting the results may also appear for the entrance test subject to production of proof of having passed the examination in writing issued by the University on or before the date of commencement of course.

- (ii) Candidates who are selected for the course at this Institution in the counseling and have not produced the proof of passing in the qualifying examination must produce the proof of passing in the qualifying examination on or before the date of commencement of course failing which, the seat allotted will be cancelled without any further communication and the Candidate next in the order of Merit in the waiting list will be considered.

Qualifying examination requirement for various non-medical courses

- (a) Candidates with M.Sc /MA/MSW/Ayurvedic Graduation/BE/B.Tech./B.Sc. Engineering should have passed the examination from a University recognized by University Grants Commission (UGC)/ Rehabilitation Council of India (RCI), securing not less than 55% of marks in aggregate on or before the date of counseling/interview. Candidates who have appeared for the qualifying examinations and are awaiting results, may also apply. However, such candidates will be eligible to appear for the counseling/interview only if they produce the proof of having passed the examination in writing issued by the University as on the date of counseling/interview.

In case grades are awarded in lieu of marks in the qualifying examination, candidates have to produce a Certificate from the University clearly stating the range of marks into which each of the grades fit, failing which, such applications will be rejected.

- (b) Candidates with Master's degree obtained through research and awarded on the basis of the evaluation of the thesis (from a University recognized by NIMHANS which does not award marks at the master's level) are also eligible to apply for Ph.D Program.
- (c) Candidates with PUC or 10 + 2 with Physics, Chemistry, Biology and English with 45% aggregate in the above subjects can apply for B.Sc. in Nursing course.
- (d) Candidates with PUC or 10 + 2 with English, Physics, Chemistry, Mathematics and Biology or job oriented diploma courses from a recognized board with an aggregate of 45% can apply for B.Sc. in Radiography course.
- (e) Candidates with PUC or 10 + 2 or equivalent with a Science group having secured an aggregate of 45% in Science subjects for B.Sc. in Anesthesia Technology course.

A relaxation of 5% marks will be given to determine eligibility for admission to all courses in respect of SC/ST candidates.

Foreign Nationals

All foreign nationals (holding passports of countries other than India), non resident Indians and overseas citizens of India should apply under “Foreign National” category.

Foreign nationals are required to submit their applications through the Diplomatic Channel (through the Ministry of External Affairs). They shall also appear for a common entrance test along with the other candidates.

Students possessing foreign qualifications who intend to seek admission to academic courses at NIMHANS are required to produce an EQUIVALENCE CERTIFICATE from the Association of Indian Universities/Medical Council of India to facilitate their admission to the course.

The guidelines to obtain an Equivalence Certificate from the Association of Indian Universities are as follows:

1. The candidate should submit degree/diploma certificate together with year-wise academic transcript / marksheet duly authenticated by Indian Mission abroad / concerned foreign Mission in India
2. Accreditation status of the degree awarding foreign University/authority
3. A Bank draft of US \$ 50 or equivalent Indian currency in favor of the Secretary General, Association of Indian Universities, New Delhi as fee

The Association of Indian Universities does not recognize any degree/diploma awarded by accredited foreign Universities for programs / courses conducted in India.

For the recognition of Medical degrees, Secretary, Medical Council of India, Pocket-14, Sector - 8, Dwarka Phase -I, New Delhi – 110 077 may be contacted.

Age limit

For PG Medical and superspeciality courses, age should not be more than 32 years for MBBS degree holders and 35 for PG medical degree holders. Age is relaxable in the case of SC/ST candidates by a maximum of 5 years as on the date of commencement of courses. For sponsored / deputed candidates, age should not be more than 45 years as on the date of commencement of courses.

For B.Sc. in Nursing, B.Sc. in Radiography and B.Sc. in Anaesthesia Technology courses, the age of the candidates should be between 17 and 25 years as on the date of commencement of course.

Reservation of Seats

1. There is no reservation of seats for superspeciality courses of DM in Child and Adolescent Psychiatry, DM in Neuroanesthesia, DM in Neurology, DM in Neuroimaging and Interventional Radiology, DM in Neuropathology, DM in Addiction Psychiatry and M.Ch in Neurosurgery.
2. Reservation of seats for other courses are as follows:
 - a) 15% of the seats for SC
 - b) 7.5% of the seats for ST
 - c) 27% of the seats for OBC

If suitable candidates are not available under the reserved category, they will be filled up by General category candidates.

3. Number of seats and reservation may vary from time to time as per the directions of the Government of India through relevant notifications.
4. Nine seats in MD in Psychiatry (1 for sponsored) and three seats in M.Phil in Clinical Psychology are reserved for domiciles of Karnataka State.
5. 3% of the PG seats are reserved for persons with above 40% and less than 70% disability (except Nursing, DM in Neurology, DM in Neuroimaging and Interventional Radiology, DM in Neuropathology, DM in Addiction Psychiatry and M.Ch. in Neurosurgery and PDFcourses).

One seat will be reserved every second year on rotation system subject to the candidate qualifying in the Entrance Test in the following courses:

MD in Psychiatry, M.Phil in Clinical Psychology, M.Phil in Psychiatric Social Work and Ph.D

Note

1. To claim that candidates are residents/domiciles of Karnataka State, he/she should produce a certificate from the Tahsildar to the effect that he/she or his/her father/mother has been a resident of Karnataka State for a period of 10 years or has owned or possessed land or property or house in Karnataka State.
2. There will not be any entrance test for candidates appearing for Undergraduate courses i.e., B.Sc. in Nursing, B.Sc. in Anaesthesia Technology and B.Sc. in Radiography.
3. There will not be any entrance test for Post Basic Diploma in Psychiatric/Mental Health Nursing, Post Basic Diploma in Neuroscience Nursing and Diploma in Clinical Neurophysiology Technology.
Emoluments

Emoluments

Candidates admitted to Medical courses will be paid as per the Residency Scheme of the Government of India. They will be placed in the pay band of Rs.15600 – Rs.39100/-. The Junior Residents will be paid a Grade pay of Rs.5400/- and the Senior Residents Rs.6600/-

The Junior Residents will be paid a basic pay of Rs. 15600/- per month in the first year, Rs. 16230/- per month in the second year and Rs. 16880/- in the third year (Rs.5400/- as Grade pay) along with admissible allowances. Post MBBS candidates of DM in Neurology and M.Ch in Neurosurgery who are given senior residentship will be paid a basic pay of Rs.18750/- in the 4th year and Rs.19510/- in the fifth year (Rs.6600/- as Grade pay) along with admissible allowances. The stipend is subject to Government orders from time to time.

Candidates with PG degree (MD/MS) admitted to the 3 years course in DM Neurology, and M.Ch in Neurosurgery will be considered for the post of Senior Resident, subject to availability of vacancies.

Candidates admitted to the PDF courses, DM in Neuroimaging and Interventional Radiology, DM in Neuroanaesthesia, DM in Child and Adolescent Psychiatry, DM in Neuropathology and DM in Addiction Psychiatry will be considered as Senior Residents.

Post MD/MS senior residents will get a basic pay of Rs. 18750/- per month in the first year, Rs.19510/- per month in the second year and Rs. 20300/- in the third year (Rs.6600/- as Grade pay) along with admissible allowances. The stipend is subject to Government orders from time to time.

Candidates admitted for Fellowship in Psychiatric Rehabilitation will be paid the following stipend : a) Medical category: basic pay of Rs. 15600/- per month with admissible allowances equivalent to I year Junior Resident stipend. b) Non-Medical category: Rs. 12000/- per month (consolidated). Candidates admitted for Fellowship in Psychosocial Support in Disaster Management will be paid Rs. 12000/- per month (consolidated).

Candidates admitted to the M.Phil Courses will be paid stipend of Rs. 12000/- per month during the course of two years.

Candidates admitted to Ph.D courses under Institute fellowship will be paid stipend of Rs. 16000/- per month for all the three years. Contingency grant of Rs. 5000/- per year for subjects under behavioural sciences and Rs. 7500/- per year for subjects under basic and neuro sciences will be paid to Research scholars.

Candidates admitted to Ph.D in Clinical Neurosciences course (under the ICMR Fellowship) will be paid on par with post MBBS residents in Neurology and Neurosurgery. In addition, these research scholars are entitled for a contingency grant of Rs. 20000/- per year.

Candidates admitted to M.Sc in Psychiatric Nursing course will be paid Rs. 3000/- as stipend per month during the period of the course with the exception of the candidates who are on sponsorship/drawing pay and allowances from their employers.

Candidates admitted to Diploma in Psychiatric Nursing Course/Diploma in Neurological and Neurosurgical Nursing Course will be paid Rs. 2000/- per month. Candidates admitted to Diploma in Clinical Neurophysiology Technology Course will be paid Rs. 2000/- per month, during the period of the course with the exception of the candidates who are on sponsorship/drawing pay and allowances from their employers.

Students undergoing B.Sc. in Nursing, B.Sc. in Radiography and B.Sc. in Anaesthesia Technology courses should undergo compulsory Internship of one year duration immediately on successful completion of course failing which Rs. 500000/- has to be paid as penalty (An agreement has to be furnished at the time of joining the course). A stipend of Rs. 12000/- per month will be paid during the internship.

Foreign Nationals and sponsored candidates from State Government/Government of India are not eligible for any stipendiary benefits. The fee structure for foreign nationals will be in US dollars and for sponsored Indian candidates will be in Indian Rupees.

Enclosures

Medical courses:

- Final year Marks Sheet
- Degree Certificate
- Master's Degree Certificate (If applicable)
- Master's Degree Marks Sheet (If applicable)
- Attempt Certificate
- Internship Completion Certificate
- Registration Certificates
- SSC Marks sheet
- Caste Certificate in case of SC/ST/OBC category

Non Medical courses:

- All the year/semester qualifying exam mark sheets
- Degree Certificate
- Caste Certificate in case of SC/ST/OBC category
- Experience certificate (if applicable)

Applications without these enclosures will be rejected without intimation.

Sponsorship / Deputation Certificate Format

This is to certify that:

1. Dr./Mr./Ms. _____ is a permanent employee with the _____ (Name of the Government Organization) and the date of joining service is _____.
2. The candidate is being sponsored / deputed for _____ course at NIMHANS, Bangalore.
3. The candidate is being sponsored / deputed for the entire duration of the course, if selected.
4. The candidate will be paid all emoluments by the State/Central Government or Public Sector Undertaking of State/Central Government and no expenses will devolve upon NIMHANS, Bangalore.
5. The candidate after getting training at NIMHANS, Bangalore shall continue to be in regular service with the State/Central Government or Public Sector Undertaking of State/Central Government and will work in the State/Central Government or Public Sector Undertaking of the State/Central Government.

Date:

Place:

Signature with Seal of
Competent Authority

(Format of OBC Certificate)

Form of Certificate to be Produced by Other Backward Classes Applying for Admission to Central Education Institutes Under the Government of India.

This is to certify that Shri/Smt./Kum. _____ Son/Daughter of Shri/Smt. _____
_____ of Village/Town _____ District/Division
_____ in the _____ State belongs to the _____

Community which is recognized as a backward class under:

- I. Resolution No. 12011/68/93-BCC(C) dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No. 186 dated 13/09/93.
- II. Resolution No. 12011/9/94-BCC dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163 dated 20/10/94.
- III. Resolution No. 12011/7/95-BCC dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88 dated 25/05/95.
- IV. Resolution No. 12011/96/94-BCC dated 9/03/96.
- V. Resolution No. 12011/44/96-BCC dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 11/12/96.
- VI. Resolution No. 12011/13/97-BCC dated 03/12/97.
- VII. Resolution No. 12011/99/94-BCC dated 11/12/97.
- VIII. Resolution No. 12011/68/98-BCC dated 27/10/99.
- IX. Resolution No. 12011/88/98-BCC dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270 dated 06/12/99.
- X. Resolution No. 12011/36/99-BCC dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71 dated 04/04/2000.
- XI. Resolution No. 12011/44/99-BCC dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 21/09/2000.
- XII. Resolution No. 12015/9/2000-BCC dated 06/09/2001.
- XIII. Resolution No. 12011/1/2001-BCC dated 19/06/2003.
- XIV. Resolution No. 12011/4/2002-BCC dated 13/01/2004.
- XV. Resolution No. 12011/9/2004-BCC dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 16/01/2006.

PROSPECTUS 2015-16

Shri/Smt./Kum. _____ and/or his family ordinarily reside(s) in the
_____ District/Division of _____ State.

This is also to certify that he/she does not belong to the persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the Government of India, Department of Personnel & Training O.M. No. 36012/22/93-Estt.(SCT) dated 08/09/93 which is modified vide OM No. 36033/3/2004 Estt.(Res.) dated 09/03/2004.

Dated:

Seal

District Magistrate/
Deputy Commissioner, etc

NOTE:

- (a) The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.
- (b) The authorities competent to issue Caste Certificates are indicated below:
 - (i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / Ist Class Stipendiary Magistrate / Sub-Divisional magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of Ist Class Stipendiary Magistrate).
 - (ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
 - (iii) Revenue Officer not below the rank of Tehsildar' and
 - (iv) Sub-Divisional Officer of the area where the candidate and / or his family resides.

Fee Structure for Indian Nationals

(All figures are in rupees)

Sl. No.	Nature of Fees	Ph.D	DM/M.Ch MPH	MD/PDF/	DPM FPSDM/FPR	M.Phil /
1.	Eligibility fee for all courses :	1) Universities of Karnataka Rs.100/- 2) Universities outside Karnataka Rs.500/- 3) Foreign students Rs. 5000/-				
2.	Registration fee*	1000/-	1000/-	1000/-	1000/-	1000/-
3.	Tuition fee per year	18000/-	50000/-	50000/-	36000/-	10000/-
4.	Laboratory fee per year [#]	500/-	500/-	500/-	400/-	400/-
5.	Gymkhana & recreation Fee per year [#]	250/-	250/-	250/-	250/-	250/-
6.	Library fee per year [#]	1000/-	1000/-	1000/-	1000/-	1000/-
7.	Caution Money & Hostel Deposit**	5000/-	5000/-	5000/-	5000/-	5000/-
8.	Identification card fee*	100/-	100/-	100/-	100/-	100/-
9.	Examination fee					
	Part I	---	3000/-	3000/-	3000/-	1500/-
	Part II	---	5000/-	5000/-	3000/-	1500/-
	Part III	---	10000/-	---	---	---
10.	Pre-Ph.D exam fee	2000/-	---	---	---	---
11.	Ph.D Thesis evaluation	10000/-	--	---	---	---

* Payable at the time of joining.

The total fee under these sub heads, for the entire course will have to be paid at the time of admission itself.

** Refundable on completion of the course.

Fee once paid will not be refunded at any cost. In case, if a candidate leave the course after joining and if the seat is offered to the wait listed candidate and if the wait listed candidate join the course, then, the refund will be made subject to approval by the competent authority after deductions.

Fee for the corresponding years should be paid immediately on completion of the Academic year failing which fine will be levied as applicable.

No examination fee for Ph.D and PDF courses.

Fee Structure for Indian Nationals (Continued)

(All figures are in rupees)

Sl. No.	Nature of Fees	M.Sc Nursing	B.Sc. Nursing	B.Sc. Anaesthesia Tech./	DCNT/ DPN/DNN Radiography
1.	Eligibility fee for all courses	1) Universities of Karnataka Rs.100/- 2) Universities outside Karnataka Rs.500/- 3) Foreign students Rs.5000/-			
2.	Registration fee*	1000/-	1000/-	1000/-	---
3.	Tuition fee per year	10000/-	35000/- ^{##}	10000/-	---
4.	Laboratory fee per year [#]	300/-	300/-	300/-	---
5.	Gymkhana & recreation Fee per year [#]	250/-	250/-	250/-	250/-
6.	Library fee per year [#]	1000/-	1000/-	1000/-	1000/-
7.	Caution Money & Hostel Deposit**	5000/-	5000/-	5000/-	5000/-
8.	Identification card fee*	100/-	100/-	100/-	100/-
9.	Examination fee				
	Part I	1500/-	1000/-	1000/-	325/-
	Part II	1500/-	1000/-	1000/-	---
	Part III	---	1000/-	---	---
	Part IV	---	1000/-	---	---

* Payable at the time of joining.

The total fee under these sub heads, for the entire course, will have to be paid at the time of admission itself.

** Refundable on completion of the course. ^{##}Rs.20000/- for SC/ST candidates.

Fee once paid will not be refunded at any cost. In case, if a candidate leave the course after joining and if the seat is offered to the wait listed candidate and if the wait listed candidate join the course, then, the refund will be made subject to approval by the competent authorities after necessary deductions.

Fee for the corresponding years should be paid immediately on completion of the Academic year failing which fine will be levied as applicable.

SNA Rs.1000/- one time payment for B.Sc. Nursing students. Hostel Rent (water & electricity charges) Rs.5000/- per annum and Rs.1000/- mess advance for B.Sc. students.

Fee Structure for Foreign Nationals

(All figures are in rupees)

Sl. No.	Name of the Course	* Tuition fee	Registration fee
1	Ph.D	30000	500
2	For super speciality courses		
	a. DM/M.Ch. (5 years duration)	60000	1000
	b. DM/M.Ch. (3 years duration)	50000	1000
3	PDF in Neuropathology/ Neuroanaesthesia	30000	1000
4	M.Phil	20000	500
5	M.Sc Psychiatric Nursing	15000	500
6	B.Sc. in Nursing	20000	
7	DPN/DNN/DCNT		100

* Tuition fee to be paid in equal annual installments. The amount indicated is for the entire duration of the course

The fees once paid will not be refunded at any cost

Method of Selection

Selection

- Selection will be purely based on merit as determined in the ONLINE Entrance test (computer based) only. There will be counseling for students to ascertain their preference of subject, verification of documents and to implement statutory reservation provisions. General candidates securing less than 50% of marks and SC/ST candidates securing less than 45% of marks in the Entrance test shall not be eligible to be called for counseling.
- If no eligible candidates are available against reserved seats, they shall be filled up from general merit category students.
- Candidates who have cleared the UGC, CSIR, ICMR, DBT qualifying exams and secured JRF/SRF are exempted from the Entrance Test to Ph.D. courses. All the candidates have to attend an interview and qualify in it by obtaining a minimum of 50% marks to be eligible for admission into the Ph.D Program. Mere qualifying in Entrance test and interview does not entitle admission to Ph.D course. Selection is subject to availability of eligible Guides in the respective departments.
- A merit list will be prepared course wise and reserved category wise based on the marks scored by the candidates in the ONLINE Entrance test. Eligible candidates will be called for counseling (interview in case of Ph.D candidates) until all the seats are filled up in all the categories. Counseling will be stopped as soon as the last seat is filled. Waiting list will be based on the merit list so prepared. A separate list will be prepared for MD in Psychiatry & M.Phil in Clinical Psychology for the seats reserved for Karnataka domiciles.
- In case of two or more candidates obtaining equal marks in the Entrance test, then, their interse merit will be determined as under:
 - a. No. of attempts in the previous qualifying exam.
 - b. If the number of attempts are same, candidates securing higher marks in the pervious qualifying exam will be considered*.
 - c. If marks are also same, then, age will be the criterion i.e., person who is senior in age shall rank higher.

Such eligible candidates in each category shall be called to appear before a duly constituted Selection Committee for the counseling.

- * **In case of non-medical courses, consolidated marks of all the years/semesters will be considered and in case of MBBS, Final MBBS Part II marks only will be considered.**

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- The admission will be on the basis of Merit as determined by the marks secured in ONLINE Entrance test. The list of selected candidates will be prepared separately for each course and displayed in the order of merit on the notice boards of the Institute and the NIMHANS website. In case of Ph.D candidates, the admission will be based on ONLINE Entrance test and Interview (only interview for candidates with UGC, CSIR, ICMR, DBT JRF/SRF) and subject to availability of Guides.

Online entrance examination

- The question paper for ONLINE Entrance test will contain multiple choice objective type questions. The duration of the test for each course will be 90 minutes and the number of questions to be answered is 100. There will be negative marking and 0.25 marks will be deducted for all wrong answers. No marks will be deducted for unanswered questions. The negative marking is followed for all the Medical and Non-Medical subjects.
- **A single Common On-Line Entrance Test of 2 hours duration and 150 questions will be conducted for MD in Psychiatry, Ph.D in Clinical Neurosciences, DM in Neurology and M.Ch. in Neurosurgery courses for Candidates with MBBS degree qualification**
- Separate ONLINE Entrance Tests will be conducted for admission to DM in Neurology and M.Ch. in Neurosurgery courses with PG qualification. **Candidates possessing PG qualification in Medicine (MD/DNB) and Surgery (MS/DNB) will be considered only under PG category for admission to DM in Neurology and M.Ch. in Neurosurgery courses, respectively. If they apply under MBBS category, their candidature will be disqualified.**
- Entrance test for candidates applying for DM in Neuroimaging and Interventional Radiology course will be conducted separately.
- There will be a Single Entrance Test for selection of Candidates for DM in Neuroanaesthesia and PDF in Neuroanaesthesia courses.
- Similarly there will be a single Entrance Test for DM in Child and Adolescent Psychiatry and PDF in Child and Adolescent Psychiatry.
- There will be a single Entrance Test for DM in Neuropathology and PDF in Neuropathology. A separate Entrance test will be conducted for PDF in Transfusion Medicine.
- A candidate can apply for a maximum of **3 (three)** courses only which includes both Medical and Non-Medical courses (MD in Psychiatry, Ph.D in Clinical Neurosciences, DM in Neurology and M.Ch. in Neurosurgery are all treated as separate courses).

Admission to B.Sc. Courses

The selection will be based on the marks obtained by the Candidate in the qualifying exam i.e., P.U.C or equivalent examination. The list of selected candidates will be prepared separately for each course and displayed on the notice boards of the Institute and the NIMHANS website. *There will be no Entrance Test for B.Sc. courses.*

Admission to Diploma Courses

All applications received for DPN/DNN courses shall be considered by a Committee constituted by the Director. Weightage in selection shall be given to those candidates sponsored by the Government and other Institutions. The selected candidates shall be informed directly by Registered Post Acknowledgement Due.

All applications received for DCNT course shall be considered by a Committee constituted by the Director and the applicants fulfilling the basic qualifications shall appear before the committee constituted by the Director. The selected candidates shall be informed directly by Registered Post Acknowledgement Due.

Date of Joining

Selected candidates must join the course, after paying the necessary fees on or before the dates stipulated in the selection letter failing which the selection shall automatically stand cancelled. The Institute shall offer such seats to the candidates in the waiting list in the order of merit.

Prizes

The following prizes are awarded by NIMHANS to the best outgoing students in various examinations:

1. Dr.D.L.N.Murthy Rao Memorial Prize for the best outgoing student in Diploma in Psychiatry (DPM) examination.
2. Dr.M.V.Govindaswamy Memorial Prize for the best outgoing student (for securing the highest marks in the aggregate of Part I and Part II in M.Phil) in Clinical Psychology examination.
3. Dr.M.V.Govindaswamy Memorial Prize for the best outgoing student (for securing the highest marks in the aggregate of Part I and Part II in M.Phil) in Psychiatric Social Work examination.
4. Dr.M.V.Govindaswamy and Dr.D.L.N.Murthy Rao Memorial Prize for the candidate who secures the highest marks in the examination of Post Basic Diploma in Psychiatric/Mental Health Nursing.

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5. Infosys Foundation Award for excellence in Post Basic Diploma in Psychiatric/Mental Health Nursing and Post Basic Diploma in Neurosciences Nursing for securing highest marks.
6. Shri.Mukund Memorial Prize for the candidate who secures the highest marks in Post Basic Diploma in Neurosciences Nursing examination.
7. Silver Jubilee Award for the best outgoing student in DM in Neurology.
8. Silver Jubilee Award for the best outgoing student in M.Ch. Neurosurgery.
9. Silver Jubilee Award for the best outgoing student in MD in Psychiatry.
10. Dr.R.N.Moorthy Award for the candidates who secure the highest marks (in the aggregate of Part I and Part II) of M.Phil in Neurophysiology, M.Phil in Biophysics and M.Sc in Psychiatric Nursing examinations.
11. Dr.Anisya Vasanth Memorial Award for the best Postgraduate Resident in Neurology.
12. Golden Jubilee Award for the best outgoing student in DM Neuroradiology.
13. Best outgoing student in Diploma in Clinical Neurophysiology Technology.
14. Dr.V.Sivarajan Award for securing highest marks in 'Microbiology' subject of B.Sc. in Nursing course.
15. Best out-going student Award for academic excellence in B.Sc. in Nursing course.

General Instructions

1. Application should be submitted online along with all the enclosures and photograph. No hard copy needs to be sent.
2. Candidates called for Interview/Counseling on qualifying in the Entrance test should submit a copy of their application abstract along with copies of certificates at the time of interview/counseling.
3. All claims made in the application must be supported with documentary proof in original at the time of interview/counseling.
4. Employees of State or Central Government or of any Public Sector Undertaking of State or Central government should send their applications through their employers. However, the advance copy of the application (complete in all respects) can be submitted. In case the application is not received through the employer before the date of the ONLINE Entrance test, a NO OBJECTION CERTIFICATE from the employer should be produced at the time of interview/counseling failing which the candidate will not be allowed to appear for interview/counseling.
5. Candidates called for ONLINE Entrance test and interview/counseling will have to make their own arrangements for stay at respective Test Centre. No TA/DA will be paid by NIMHANS.
6. The decision of the Director of the Institute shall be final in all matters of selection of candidates for admission to the various courses and no appeal shall be entertained on this subject.
7. No individual intimation will be sent to candidates who are not selected and no correspondence on this subject will be entertained.
8. All courses are conducted on a full time basis. Private practice in any form is prohibited. The candidates are strictly not permitted to undertake any other part time or correspondence courses.
9. All candidates admitted to the Institute shall maintain good conduct, attend their classes regularly and abide by the regulations of the Institute.
10. Selected candidates shall have to submit migration certificate and TC from the University from which they have passed the last qualifying examination, at the time of joining the Institute.
11. All the Junior/Senior Residents receiving emoluments from the Institute and admitted to any course will be on contract service for the duration of the studies. They are required to submit a contract bond on a non-judicial stamp paper of the value of ` 200/-. The bond, duly completed in all respects, shall be submitted at the time of joining, failing which they will not be allowed to join the course. Similarly, all

candidates for Ph.D, M.Phil and M.Sc in Psychiatric Nursing are required to submit a bond on a non-judicial stamp paper of the value of ` 200/-. The bond, duly completed in all respects, shall be submitted at the time of joining, failing which they will not be allowed to join the course.

A sample Copy of the bond is available at the end of the Prospectus.

12. Eligible candidates for ONLINE Entrance Test can download the e-hall ticket online to produce at the time of Entrance Test.
13. List of all the qualified candidates and list of candidates called for interview/counseling will be notified on the Institute's Notice Board and the Website. No separate individual intimation will be given. Non receipt of notice by any individual candidate will not vitiate the selection process having regard to publication of result as also schedule on the notice board and the website. The decision of the Director in all matter regarding selection will be final and no representation in any form will be entertained.
14. Any changes in date, time, venue and or schedule of the ONLINE Entrance Tests, Counseling, Interview will be announced on our website and notice boards, no individual intimation will be given to the candidates.
15. The candidates are requested to keep themselves updated by visiting our website regularly from time to time or keeping in touch with the Academic section of NIMHANS on 080 26995013.
16. The rules and regulations in this prospectus are subject to change in accordance with the decision of the Institute from time-to-time.

Guidelines for Online Entrance Test

The Entrance Test will be held online (i.e., computer based). The seven cities identified for conduct of ON-LINE Entrance Test in the year 2015-16 are BANGALORE, CHENNAI, COCHIN, HYDERABAD in the South, PUNE in the West, DELHI in the North, and KOLKATA in the East. There may be multiple test centres in these cities and NIMHANS reserves the right to distribute applicants to any test centre. A candidate has to select three cities, for taking examination, in the order of priority, i.e., 1st choice, 2nd choice and 3rd choice. However, the choice of City for taking examination, or center in a given city, cannot be claimed as a matter of right. Under exceptional circumstances like lack of minimum number of applicants for a given center in a given city, NIMHANS reserves the right to cancel the choice of city / center.

Entrance test for admission to courses at NIMHANS will be held in the cities of Bangalore, Chennai, Cochin, Hyderabad, Pune, Delhi, and Kolkata in 2015-16

1. Common Entrance Test will be conducted for MD in Psychiatry, Ph.D in Clinical Neurosciences, DM in Neurology and M.Ch. in Neurosurgery courses for Candidates with MBBS degree qualification
2. Common Entrance Test will be conducted for DM in Neuroanaesthesia and PDF in Neuroanaesthesia courses.
3. Common Entrance Test will be conducted for DM in Child & Adolescent Psychiatry and PDF in Child & Adolescent Psychiatry courses.
4. Common Entrance Test will be conducted for DM in Neuropathology and PDF in Neuropathology courses.
5. Common Entrance Test will be conducted for all the 7 PDF courses under Psychiatry and choice of course will be given to those securing highest marks i.e., the candidate securing highest marks will have the option of selecting any of the 7 PDF courses till all the seats are filled.
6. Common Entrance Test will be conducted for all the 4 PDF courses under Neurology and choice of course will be given to those securing highest marks i.e., the candidate securing highest marks will have the option of selecting any of the 4 PDF courses till all the seats are filled.
7. There will be a single Entrance Test for DM in Neuropathology and PDF in Neuropathology. A separate Entrance test will be conducted for PDF in Transfusion Medicine.
8. Common Entrance Test will be conducted for M.Phil in Biophysics, M.Phil in Neurophysiology and M.Phil in Neurosciences courses.

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A mock test demo will be hosted on the NIMHANS website 15 days prior to the Online Entrance Test. The Online Entrance Test will be conducted for 2 days at all the Test Centres across the country.

In the event of unforeseen problem/force majeure, a re-exam will be held at a later date only for those who attended the abandoned exam. NIMHANS reserves the right to decide whether the re-exam relates to one or more cities, or one or more center, or one or more courses.

Possession/use of Mobile Phones/Spy Cameras/ Bluetooth and any other electronic devices is strictly prohibited on the premises of NIMHANS Entrance Test Centres and candidates shall be liable for penal action for any such act.

All the Candidates applying for admission to any course at NIMHANS, should give a declaration stating that “I have all the eligibility criteria and I am applying for the courses at NIMHANS At any given point of time if found that I have given wrong information, my candidature can be cancelled without consideration for the courses at NIMHANS. I also substantiate my claim by attaching necessary certificates”

Annual Examinations

For Admissions prior to 2013-14 batch

- | | |
|--|-----------|
| 1. Annual Examinations | |
| PG Medical & Non Medical courses | April |
| DPN/DNN courses | April |
| B.Sc. Nursing courses (I, II, III Years) | June |
| B.Sc. Nursing course (IV Year) | July |
| B.Sc. Anaesthesia Tech.course (I, II, III Years) | July |
| B.Sc. Radiography course (I, II, III Years) | July |
| Superspeciality courses | July |
| DCNT Course | July |
| Pre-Ph.D | Feb./Aug. |
| 2. Supplementary Examinations | |
| PG Medical & Non Medical courses | October |
| Superspeciality courses | January |
| B.Sc. courses | December |

For Admissions 2013-14 and 2014-15 batches

- | | |
|--|--------------------|
| 1. Annual Examinations | |
| Superspeciality courses – Part II | January |
| PG Medical & Non Medical courses | April/ June |
| DPN/DNN courses | July |
| Superspeciality courses | July/ June |
| B.Sc. Nursing courses (I,II, III, IV Years) | July |
| B.Sc. Anaesthesia Tech.course (I, II, III Years) | July |
| B.Sc. Radiography course (I, II, III Years) | July |
| DCNT Course | July |
| Pre-Ph.D | Feb./Aug. |
| 2. Supplementary Examinations | |
| Superspeciality courses (New & Old Regu.) | January / December |
| Superspeciality courses – Part II | July |
| PG Medical & Non Medical courses | October/ December |
| B.Sc. courses | December |

Warning

In case any candidate is found to have supplied false information or a false certificate or is found to have withheld or concealed some information, he/she shall be debarred from continuing the course and shall face such appropriate action initiated against him/her by the Director of the Institute.

Ragging

Ragging is banned in this institution and if any incident of ragging comes to the notice of the authority, the student concerned shall be given opportunity to explain and if his/her explanation is not found satisfactory, the authority would expel him/her from the Institute.

The candidates along with their parents/guardians have to sign a declaration that they are aware about ragging being banned at this Institution and if found indulging in ragging, the student concerned shall be given liberty to explain and if his/her explanation is not found satisfactory, the authority would expel him/her from the Institute.

Complaints Committee

NIMHANS has a Complaints Committee pertaining to sexual harassment of Women at work place headed by Dr.Shoba Srinath, Professor, Dept. of Child & Adolescent Psychiatry.

Accommodation

There are six hostels attached to the Institute – Kabini hostel and its annexe, staff hostel, hostel for men, hostel for ladies and two hostels for female nurses. Hostel accommodation is provided only to resident doctors, students, research fellows/officers and to trainees from other institutes. Employees (both permanent and ad-hoc) are not eligible for hostel accommodation.

All residents are expected to stay in the hostel and its annexe, subject to availability of accommodation. Kabini hostel and its annexe are meant for resident doctors. Senior residents will be given priority in allocation of accommodation for family rooms.

Students admitted to post-graduate courses or the Ph.D Program or to M.Phil courses are provided accommodation in staff hostel, men's or ladies' hostels. The accommodation generally will be a single room facility and is partially furnished. Family accommodation cannot be guaranteed. Preference is given for senior residents and Ph.D students. The accommodation is free for junior residents. However, they are required to pay Rs.250/- per month towards electricity and water charges. Candidates who are admitted to the Ph.D and

M.Phil courses are required to pay Rs.250/- per month towards electricity and water charges and the hostel rent is as per the rates fixed by the Institute. Candidates admitted to the nursing course are provided rent free and partially furnished accommodation.

Those residing in the hostels should compulsorily join the mess, which is run on a sharing basis. The warden appointed by the Director shall have general supervising authority over the hostel inmates. Those residing in the hostel are required to adhere to hostel rules and regulations.

Kannada Language Learning Program

Kannada is one of the oldest Dravidian languages. It is the state's official language. It is desirable that Non-Kannada speaking PG students make efforts to learn this language for better communication with patients and their family members. The department of Publication organizes a three month Kannada Language Learning Program in collaboration with the Department of Kannada & Culture, Government of. Students are required to attend these sessions. As majority of the patients seen at NIMHANS speak Kannada, it is mandatory that students learn to comprehend and speak Kannada.

Alumni Association

All graduates of NIMHANS are requested to become members of the NIMHANS Alumni Association.

Central Facilities

Advanced Centre for Ayurveda in Mental Health and Neuro Sciences

The Centre was established in the year 1959 as a regular department under NIMHANS and subsequently amalgamated in 1971, with the Central Council for Research in Ayurvedic Sciences, New Delhi, for financial and technical assistance. The Centre extends Research and Therapeutic Services predominantly in Psychiatric and Neurological disorders.

The Centre has full-fledged Outpatient and Inpatient facilities. The Inpatient Unit consists of two General Wards and four Pay Wards supported with well-equipped Panchakarma Therapy rooms. It functions under the overall administrative and technical guidance of the Director/Vice-Chancellor, NIMHANS

Biomedical Engineering

The Biomedical Engineering department manages and provides the Computer Network (LAN) and Wi-Fi connectivity to more than 2500 nodes having 100 mbps speed through National Knowledge Network of Government of India. All the hardware, network and software issues related to the systems connected in the network are taken care of by the department. Closed user group communication (mobile telephone) is provided to all the clinicians, residents and essential service staff in the Institute and this is monitored by the department of Biomedical Engineering.

Canteen

There is a good canteen facility catering to the needs of the staff, students and the public.

Central Animal Research Facility

At the Central Animal Research Facility (CARF), a certificate course on Care, Breeding and Management of Laboratory animals is conducted. The course is of 60 hour duration. It is presented in the power point presentation format. In addition to this, there will be practical training Program using routine laboratory animal techniques.

Cognitive Neurosciences

The laboratory is located in the Ashwini Building next to Emergency Services. A 3T MRI with capability to record EEG simultaneously with fMRI is established to undertake studies in Cognitive Neurosciences.

Convention Centre

A state-of-the-art Convention Centre facility is available for Medical and other related programs/conferences. There are three auditoriums with seating capacities ranging from 150 to 850 persons. It has a huge dining hall as well as guest and storage rooms, and ample parking facility is also available.

Engineering Section

A full-fledged Engineering section is functional at this Institute. The Engineers are deputed from the Government of Karnataka. They take care of the maintenance of all the NIMHANS buildings, involve in the new constructions. There are Civil, Electrical and Horticultural Engineering divisions under the Engineering Section.

Free Legal Aid Cell - NIMHANS

Advocates listed by Karnataka State Legal Aid Authority provide free legal services to needy patients and the caregivers. The facility is located in the OPD complex of NIMHANS.

Library & Information Services

Library and Information Centre, NIMHANS, recognized as National Neurosciences Information Centre (NNIC), functions as a national clearing-house for mental health and neurosciences information in India. It has 51,000 volumes and subscribes to both print and electronic journals.

Online access to 4700 e-journals related to the field of mental health and neuro sciences is provided through campus network, which has a fiber optic backbone with more than 700 nodes. The full text of the journals is integrated to single interface and bibliographical database for easy access to the users on any topic of interest for academic, research and health care purposes.

Library and Information Centre has published two full text databases on CD viz., (1) 'Neurology India on CD' with full text of 45 years covered from Vol.1 – Vol.45 (1953-1997) (2) 'NeuroMed on CD' which covers three Indian Journals for 15 years.

The Library has a functional spacious independent building with seating capacity for 240 with internet and database access.

Neurobiology Research Centre, NIMHANS

The Centre is located opposite to the Library and Information Centre in the Administrative Wing of NIMHANS. The Research Centre has 14 laboratories working in frontiers of Neuro biology promoting inter-disciplinary research, sharing scientific ideas and sophisticated equipment. The building is Wi-Fi enabled and under video surveillance.

NIMHANS 'Centre for Well Being'

The Centre located at BTM Layout (4 kilometers from NIMHANS), is utilized by the faculty of Clinical Psychology, Psychiatry and Psychiatric Social Work to promote preventive and positive mental health and offer counseling services to the needy in an urban city.

NIMHANS Gymkhana

NIMHANS has a state-of-the-art 'GYMKHANA'. Multi-gym for ladies and gents and indoor/outdoor games facilities like badminton court, carrom, chess, table tennis, football, cricket, hockey volleyball etc., are available.

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The Gymkhana also organizes various sports competitions and cultural activities for both students and staff of NIMHANS.

Photography

A Photography section assists in video coverage and taking photographs of all the major programs of the Institute. It also assists clinicians in their dissertations/research activities and in the production of Information, Education & Communication materials.

Publication

The Publication Department brings out Annual Reports, Institute activity reports, research publications and health education materials periodically. More than 70 publications have been brought out so far. In addition, the department coordinates the translation work of materials from English to Hindi and regional languages. Hindi Cell, now part of the Publication Department, undertakes various activities under the guidance of the Department of Official Language, Union Ministry of Health and Family Welfare, Government of India with a view to ensure compliance with the Official Language Implementation policies and Constitutional provisions, and to promote progressive use of Hindi for the official purposes.

Agreement Bond formats for various courses

Ph.D courses

Know all men by those presents that We/I Son/Daughter of
..... residing at (Full Address)
..... hereinafter called the 'STIPENDIARY' (which expression shall unless excluded by
or a repugnant to the context include his/her heirs, executors, administrators and legal re
presentatives) and (Full name and address):

- (1)
and (Full name and address) (2)
hereinafter called 'the First Surety' and 'the Second Surety' respectively (which expression shall unless
excluded by or repugnant to the context include their respective heirs, executors, administrators and legal
representatives) bind ourselves jointly and severally to pay the Board of Management of the National
Institute of Mental Health and Neuro Sciences, Bangalore - 560 029 (hereinafter called the 'NIMHANS')
on demand and without demur in the event of breach of contract as provided in Clause.4 of the agreement
all the amount spent on the stipendiary together with further sum not exceeding 30% thereof drawn as
penalty during the course. Further it is also agreed upon to pay a sum equal to six full months stipend in
the event of discontinuance of the course as provided in Clause.5 of the agreement.
2. Signed this day of in the year two thousand fifteen.
3. Whereas the stipendiary is nominated to the NIMHANS stipend at the rate of Rs.25,000/- per month
for I and II years and Rs.28,000/- for III, IV and V Years for the study of postgraduate Ph.D in
..... at the National Institute of Mental Health
and Neuro Sciences, Bangalore - 560 029 on the condition of his/her executing a bond supported by two
sureties on the terms appearing hereinafter which the stipendiary has agreed to do.
4. Now the condition of the above written obligation is that in the event of the above bounden stipendiary
participating in a strike or being made to leave the training course on account of indiscipline or misconduct
on his/her part or refusing to serve the Institute for a period of 3 years is required to do so within a
period of six months after qualifying for full registration completing the course or for other reasons

not considered valid and satisfactory by the Director, National Institute of Mental Health and Neuro Sciences, Bangalore - 560 029, whose decision in this behalf shall be final, the stipendiary and the sureties jointly and severally pay and refund to the Director, NIMHANS, on demand and without demur all the amount spent on the stipendiary together with a further sum not exceeding in the aggregate 30% thereof as penalty on account of the said training of studies as the Director, NIMHANS may direct. The decision of the Director, NIMHANS as to the commission of breach or any indiscipline, misconduct on the part of the stipendiary as also the amount of penalty payable and as to whether the stipendiary has or has not performed and observed the conditions and obligations under these presents shall be final and binding on the stipendiary and the sureties.

5. The stipendiary except as provided in the agreement, discontinues the course to which he/she has been admitted without completing in the middle shall be liable to pay a sum of six full months stipend to the Institute as penalty besides forfeiture of stipend for the month in which he/she discontinues the course with interest until realisation, and the sureties are equally responsible.
6. And upon making such payment, the above written obligation shall be void and of no effect, but otherwise, it shall be and remain in full force and virtue.
7. And the sureties hereby covenant with the Director, NIMHANS that liability of the sureties hereunder shall not be impaired or discharged by reason of time being granted or any forbearance, act or omission of the Institute (whether with or without the knowledge or consent of the sureties) in respect of or in relation to the several obligations and conditions to be performed or discharged by a stipendiary or by any other matter or thing whatsoever which under the law relating to sureties, shall but for this provision, have the effect of releasing the sureties from such liability, nor shall it be necessary for the Institute to sue the stipendiary before suing either of the sureties for amount due hereunder.
8. It is agreed that the stamp duty shall be borne by the student.
9. In witness whereof the said stipendiary and the sureties have put their respective hands the day and year herein above written hereunto and Sri/Smt/Dr.....

Signed by the Stipendiary in the
Presence of
(Permanent address proof should
be produced at the time of admission).

.....
Signature of the Stipendiary

Signed by the First Surety (Parent)
in the presence of
(ID, Address proof should be enclosed)

.....
Signature of first surety

Signed by the Second Surety (Guardian)
in the Presence of
(ID, Address proof should be enclosed)

.....
Signature of second surety

Certified that the above named sureties are solvent and acceptable.

.....
Signature of the Magistrate/Notary
(With Seal)

Agreement for Senior Residents

Articles of agreement made this day of year 2015 between Dr.....
son of residing at
.....(hereinafter
called the 'SENIOR RESIDENT') on the one part and the Governing Body of the National Institute of Mental
Health and Neuro Sciences, Bangalore -560 029 (hereinafter called "the NIMHANS") on the other part.

Whereas the NIMHANS intend to appoint the part of the first part as Senior Resident for a period from
..... to till the completion of the course.

And whereas it has been agreed by and between the parties hereto that the Senior Resident shall serve the
NIMHANS on the terms and conditions herein contained.

Now these present witness and parties hereto respective agree as follows:

1. The Senior Resident shall submit himself/herself to the orders of the NIMHANS and the Officers and authorities under whom he/she from time to time be placed by the NIMHANS and shall serve as Senior Resident for a period till completion of the PG course commencing from day of year 2015 until his/her services are terminated previously as herein after provided. The NIMHANS may in its discretion however extend this term by a short period until arrangements for a substitute is made.
2. The services of the Senior Resident may be terminated as follows:

NIMHANS

- (i) By the NIMHANS or its authorised Officers without any previous notice if the NIMHANS is satisfied on medical evidence that the Senior Resident is unfit and is likely for a considerable period to continue unfit by reason of ill health for the discharge of his/her duties provided always that the decision of the NIMHANS that the Senior Resident is unfit and is likely to continue unfit shall be conclusive and binding on him/her.
 - (ii) By the NIMHANS or its authorised Officers without any previous notice if the Senior Resident shall be guilty of any insubordination, intemperance or other misconduct or any breach or non-performance of any of the provisions of this agreement or of any rules pertaining to the Institution where he/she may from time to time be placed by the NIMHANS.
 - (iii) By thirty days notice in writing given at any time during service under this agreement by the NIMHANS or its authorised officers to him/her without cause assigned.
3. Provided always that the NIMHANS may in lieu of any notice herein provided for, give the Senior Resident a sum equivalent to the amount of his salary for thirty days or shorter notice than thirty days if it pays him a sum equal to the amount of his salary for the period by which such notice falls short of thirty days. The term salary for the purpose of this provision shall mean the salary the Senior Resident would be receiving under Clause.6 of this agreement.
4. If the Senior Resident be suspended from duty in connection with the investigation into his/her conduct, he/she shall not be entitled to any salary during such period of suspension but shall be entitled to receive a subsistence grant at such rate as the NIMHANS may decide to allow him/her.
5. The Senior Resident shall devote his/her whole time to the duties of the said service and shall not engage, directly or indirectly in any trade, business, occupation or profession (including any private practice) on his/her own account and shall not (except in case of accident or sickness certified by competent medical authority) absent himself/herself from his/her said duties without having first obtained permission from the NIMHANS or its authorised Officers.
6. The Senior Resident shall not except as provided in this agreement resign his/her appointment without completing the postgraduate course to which he/she has been admitted by the University concerned. Defaulters shall be liable to pay a sum equal to six full months salary last drawn by him/her to NIMHANS as penalty besides forfeiture of his/her emoluments for the month in which he/she leaves the Institution with interest until realisation and the sureties are equally responsible.
7. With effect from theday of2015 the NIMHANS shall pay the Senior Resident so long as he/she remains in the said service and actually performs his/her duties as aforesaid at the monthly rate of Rs.18,750/- + Grade pay Rs.6,600/- for the I Year, Rs.19,510/- + Grade pay Rs.6,600/- for the II Year Resident and Rs.20,300/- + Grade pay Rs.6,600/- as III Year Resident as the case may be. This will be inclusive of allowance like PGA. They are eligible for allowances like NPA, DA and CCA as applicable from time to time.

8. The Senior Resident shall be eligible for such concession in relation to Medical attendance and treatment as may be prescribed by the NIMHANS.
9. Subject to availability, the Senior Resident will be entitled to free furnished Hostel Accommodation with free electricity and water within the prescribed limits.

Family quarters close to the Hostel at concessional rate may be given wherever possible. The Senior Resident shall have to abide by the rules and regulations of the Hostel where he/she is accommodated and shall occupy the room allotted to him/her only as a licensee.

10. The Senior Resident shall vacate the accommodation given to him/her as aforesaid within ten days of the expiry of the term or earlier in the event of early termination of employment. The Head of the Institution where such accommodation is provided shall be entitled to take action for eviction in case the Senior Resident fails or neglects to vacate such accommodation and delivery of peaceful possession thereof to the Head of the Institution.
11. Besides academic working in pursuance of the postgraduate studies the Senior Resident shall carry out all the duties and responsibilities required of him/her to be performed and under taken by the Head of the Institution where he/she will be placed in the discharge of the patient care and maintenance of records and such other clinical and technical duties as may be assigned to him/her by the aforesaid authorities from time to time in the interest of efficient patient care and running of the Hospital. The decision of such authority as to whether the Senior Resident has satisfactorily carried out all the duties and responsibilities aforesaid shall be final and binding on the Senior Resident for the completion of that course.
12. The working hours of the Senior Resident will not normally exceed continuous duty for more than 12 hours in a day subject to such exigencies as may arise in the working of the Institution where he/she may be placed and in this respect also, the decision of the Head of the Institution shall be final and binding on the Senior Resident.
13. The Senior Resident may be allowed one day off in a week on rotation basis subject to exigencies of work.
14. The Senior Resident shall be liable to be on call duty which shall not normally exceed 12 hours at a time.
15. During the term of employment Senior Residents are eligible for leave as per the Residency scheme.
16. The Senior Resident shall not be allowed to apply for a job position/assignment elsewhere during the course of his/her postgraduate studies and such applications shall not be forwarded during the validity of the agreement.
17. The Senior Resident shall not be issued certificate/testimonials of any kind bearing evidence of satisfactory work, experience, performance, etc., in case of discontinuation of his/her studies.

Signed by the Stipendiary in the
Presence of
(Permanent address proof should
be produced at the time of admission).

.....
Signature of the Stipendiary

Signed by the First Surety (Parent)
in the presence of
(ID, Address proof should be enclosed)

.....
Signature of first surety

Signed by the Second Surety (Guardian)
in the Presence of
(ID, Address proof should be enclosed)

.....
Signature of second surety

Certified that the above named sureties are solvent and acceptable.

.....
Signature of the Magistrate/Notary
(With Seal)

Agreement for Junior Residents

Know all men by those presents that I/We Son/Daughter of residing at (Full Address) hereinafter called the Junior Resident (which expression shall unless excluded or a repugnant to the context include his/her heirs, executors, administrators and legal representatives) and (Full name and address):

1. and (Full name and address),
2. hereinafter called 'the First Surety' and 'the Second Surety' respectively (which expression shall unless excluded by or repugnant to the context include their respective heirs, executors, administrators and legal representatives) bind ourselves jointly and severally to pay Board of Management of the National Institute of Mental Health and Neuro Sciences, hereinafter called the 'NIMHANS' on demand and without demur in the event of breach of contract as provided in clause.4 of the agreement all the amount spent on the stipendiary together with further sum not exceeding 30% thereof drawn as penalty during the course. Further, it is also agreed upon to pay a sum equal to six full months salary in the event of discontinuance of course as provided in the Clause.6 of the agreement.

ARTICLES OF AGREEMENT SIGNED THIS day of in the year two thousand fifteen.

WHEREAS the NIMHANS intend to appoint the party of the first part as Junior Resident for the period of years commencing from the date of 2015.

Now these present witness and the parties here to respectively agree as follows:

1. The Junior Resident shall submit himself/herself to the orders of the NIMHANS and the Officers and authorities under whom he/she may from time to time be placed by the NIMHANS and shall serve as Junior Resident for a period of years commencing from the day of 2015 until his/her services are terminated previously as hereinafter provided. The NIMHANS may in its discretion however extend this term by a short period until arrangements for a substitute is made.
2. The services of the Junior Resident may be terminated as follows:
 - (i) By the NIMHANS or its authorised Officers without any previous notice if the NIMHANS is

satisfied on medical evidence that the Junior Resident is unfit and is likely for a considerable period to continue unfit by reason of ill health for the discharge of his/her duties provided always that the decision of the NIMHANS that the Junior Resident is unfit and is likely to continue unfit shall be conclusive and binding on him/her.

(ii) By the NIMHANS or its authorised Officers without any previous notice if the Junior Resident shall be guilty of any insubordination, intemperance or other misconduct or any breach or non-performance of any of the provisions of this agreement or of any rules pertaining to the Institution where he/she may from time to time be placed by the NIMHANS.

(iii) By thirty days notice in writing given at any time during service under this agreement by the NIMHANS or its authorised officers to him/her without cause assigned provided always that the NIMHANS may in lieu of any notice herein provided for, give the Junior Resident a sum equivalent to the amount of his/her salary for thirty days or shorter notice than thirty days if it pays him/her a sum equal to the amount of his/her salary for the period by which such notice falls short of thirty days. The term salary for the purpose of this proviso shall mean the salary the Junior resident would be receiving under clause.6 of this agreement.

3. If the Junior Resident be suspended from duty in connection with investigation into his/her conduct, he/she shall not be entitled to any salary during such period of suspension but shall be entitled to receive a subsistence grant at such rate as the NIMHANS may decide to allow him/her.

4. Now the condition of the above written obligation is that in the event of the above bounden beneficiary participating in a strike or being made to leave the training course on account of indiscipline or misconduct on his/her part or refusing to serve the Institute for a period of _____ years is required to do so within a period of six months after qualifying for full registration completing the course or for other reasons not considered valid and satisfactory by the Director, National Institute of Mental Health and Neuro Sciences, Bangalore - 560 029, whose decision in this behalf shall be final, the beneficiary and the sureties jointly and severally pay and refund to the Director, NIMHANS, on demand and without demur all the amount spent on the beneficiary together with further sum not exceeding in the aggregate 30% thereof as penalty on account of the said training of studies as the Director, NIMHANS may direct. The decision of the Director, NIMHANS as to the commission of breach or to any indiscipline, misconduct on the part of the beneficiary as also the amount of penalty payable and as to whether the beneficiary has or has not performed and observed the conditions and obligations under these presents shall be final and binding on the beneficiary and the sureties.

5. The Junior Resident shall devote his/her whole time to the duties of the said service and shall not engage, directly or indirectly in any trade, business, occupation or profession (including any private practice) on his/her own account and shall not (except in case of accident or sickness certified by competent medical authority) absent himself/herself from his/her said duties without having first obtained permission from the NIMHANS or its authorised Officers.

PROSPECTUS 2015-16

6. The Junior Resident shall not except as provided in this agreement resign his/her appointment without completing the postgraduate course to which he/she has been admitted by the University concerned. Defaulters shall be liable to pay a sum of six months salary to the NIMHANS as penalty besides forfeiture of his/her emoluments for the month in which he/she leaves the Institutions with interest until realisation and the sureties are equally responsible.
7. With effect from the day of 2015 the NIMHANS shall pay the Junior Resident so long as he/she remains in the said service and actually perform his/her duties as aforesaid at the monthly rate of Rs.15,600/- for the I Year, Rs.16,230/- for the II Year Resident and Rs.16,880/- as III Year Resident as the case may be. This will be inclusive of allowance like PGA. They are eligible for allowances like NPA, DA and CCA as applicable from time to time.
8. The Junior Resident shall be eligible for such concession in relation to Medical attendance and treatment as may be prescribed by the NIMHANS.
9. Subject to availability, the Junior Resident will be entitled to free furnished Hostel Accommodation with free electricity and water within the prescribed limits.
10. Family quarters close to the Hostel at concessional rate may be given wherever possible. The Junior Resident shall have to abide by the rules and regulations of the Hostel where he/she is accommodated and shall occupy the room allotted to him/her only as a licensee.
11. The Junior Resident shall vacate the accommodation given to him/her as aforesaid within ten days of the expiry of the term or earlier in the event of early termination of employment. The Head of the Institution where such accommodation is provided shall be entitled to take action for eviction in case the Junior Resident fails or neglects to vacate such accommodation and delivery of peaceful possession thereof to the Head of the Institution.
12. Besides academic working in pursuance of the postgraduate studies the Junior Resident shall carry out all the duties and responsibilities required of him/her to be performed and under taken by the Head of the Institution where he/she will be placed in the discharge of the patient care and maintenance of records and such other clinical and technical duties as may be assigned to him/her by the aforesaid authorities from time to time in the interest of efficient patient care and running of the Hospital. The decision of such authority as to whether the Junior Resident has satisfactorily carried out all the duties and responsibilities aforesaid shall be final and binding on the Junior Resident.
13. The working hours of the Junior Resident shall not normally exceed continuous duty for more than 12 hours in a day subject to such exigencies as may arise in the working of the Institution where he/she may be placed and in this respect also, the decision of the Head of the Institution shall be final and binding on the Junior Resident.

NIMHANS

14. The Junior Resident shall be liable to be on call duty which shall not normally exceed 12 hours at a time.
15. During the term of employment 30 days leave for first year and 36 days for each subsequent years will be permissible.
16. The Junior Resident shall not be allowed to apply for a job position/assignment elsewhere during the course of his/her postgraduate studies and such applications shall not be forwarded during the validity of the agreement.
17. The Junior Resident shall not be issued certificate/testimonials of any kind bearing evidence of satisfactory work, experience, performance, etc., in case of discontinuation of his/her studies.

In witness whereof the said stipendiary and the sureties have put their respective hands the day and year herein above written hereunto and Dr.....

Signed by the Stipendiary in the
Presence of
(Permanent address proof should
be produced at the time of admission).

.....
Signature of the Stipendiary

Signed by the First Surety (Parent) in the
Presence of
(ID, Address proof should be enclosed)

.....
Signature of first surety

Signed by the Second Surety (Guardian)
in the presence of
(ID, Address proof should be enclosed)

.....
Signature of second surety

Certified that the above named sureties are solvent and acceptable.

.....
Signature of the Magistrate/Notary
(With Seal)

Note: Deputed and sponsored candidates who are not receiving residency benefit from NIMHANS are also required to furnish this bond with the deletion of Clause.6 & 7 of the agreement.

M.Phil courses

Know all men by those presents that We/I Son/Daughter of
..... residing at (Full Address)

..... hereinafter called the 'STIPENDIARY' (which expression shall unless excluded by or a repugnant to the context include his/her heirs, executors, administrators and legal representatives) and (Full name and address):

(1)

.....and (Full name and address)

(2)

hereinafter called 'the First Surety' and 'the Second Surety' respectively (which expression shall unless excluded by or repugnant to the context include their respective heirs, executors, administrators and legal representatives) bind ourselves jointly and severally to pay the Board of Management of the National Institute of Mental Health and Neuro Sciences, Bangalore - 560 029 (hereinafter called the 'NIMHANS') on demand and without demur in the event of breach of contract as provided in Clause.4 of the agreement all the amount spent on the stipendiary together with further sum not exceeding 30% thereof drawn as penalty during the course. Further it is also agreed upon to pay a sum equal to six full months stipend in the event of discontinuance of course as provided in the Clause.5 of the agreement.

2. Signed this day of in the year two thousand fifteen.

3. Whereas the stipendiary is nominated to the NIMHANS stipend at the rate of Rs.12,000/- per month for the I and II Years for the study of postgraduate M.Phil in at the National Institute of Mental Health and Neuro Sciences, Bangalore - 560 029 on the condition of his/her executing a bond supported by two sureties on the terms appearing hereinafter which the stipendiary has agreed to do.

4. Now the condition of the above written obligation is that in the event of the above bounden stipendiary participating in a strike or being made to leave the training course on account of indiscipline or misconduct on his/her part or refusing to serve the Institute for a period of 2 years is required to do so within a period of six months after qualifying for full registration completing the course or for other reasons not considered valid and satisfactory by the Director, National Institute of Mental Health and Neuro Sciences, Bangalore - 560 029, whose decision in this behalf shall be final, the stipendiary and the sureties jointly and severally pay and refund to the Director, NIMHANS, on demand and without demur all the amount spent on the stipendiary together with further sum not exceeding in the aggregate 30% thereof as penalty on account of the said training of studies as the Director, NIMHANS may direct. The decision of the Director, NIMHANS as to the commission of breach or any indiscipline, misconduct on the part of the stipendiary as also the amount of penalty payable and as to whether the stipendiary has or has not performed and observed the conditions and obligations under these presents shall be final and binding on the stipendiary and the sureties.

NIMHANS

5. The stipendiary except as provided in the agreement, discontinues the course to which he/she has been admitted without completing in the middle shall be liable to pay a sum of six full months stipend to the Institute as penalty besides forfeiture of emoluments for the month in which he/she discontinues the course with interest until realisation and the sureties are equally responsible.
6. And upon making such payment, the above written obligation shall be void and of no effect, but otherwise, it shall be and remain in full force and virtue.
7. And the sureties hereby covenant with the Director, NIMHANS that liability of the sureties hereunder shall not be impaired or discharged by reason of time being granted or any forbearance, act or omission of the Institute (whether with or without the knowledge or consent of the sureties) in respect of or in relation to the several obligations and conditions to be performed or discharged by a stipendiary or by any other matter or thing whatsoever which under the law relating to sureties, shall but for this provision, have the effect of releasing the sureties from such liability, nor shall it be necessary for the Institute to sue the stipendiary before suing either of the sureties for amount due hereunder.
8. It is agreed that the stamp duty shall be borne by the student.
9. In witness whereof the said stipendiary and the sureties have put their respective hands the day and year herein above written hereunto and Sri/Smt/Dr.....

Signed by the Stipendiary in the
Presence of
(Permanent address proof should
be produced at the time of admission).

.....
Signature of the Stipendiary

Signed by the First Surety (Parent)
in the presence of
(ID, Address proof should be enclosed)

.....
Signature of first surety

Signed by the Second Surety (Guardian)
in the Presence of
(ID, Address proof should be enclosed)

.....
Signature of second surety

Certified that the above named sureties are solvent and acceptable.

.....
Signature of the Magistrate/Notary
(With Seal)

M.Sc in Psychiatric Nursing

Know all men by those presents that I/We Son/Daughter of
..... residing at (Full Address)
.....
..... hereinafter called the 'STIPENDIARY' (which expression shall unless excluded or a repugnant to the
context include his/her heirs, executors, administrators and legal representatives) and (Full name and address):

(1)
.....
and (Full name and address) (2)

.....
hereinafter called 'the First Surety' and 'the Second Surety' respectively (which expression shall unless excluded
by or repugnant to the context include their respective heirs, executors, administrators and legal representatives)
bind ourselves jointly and severally to pay Board of Management of the National Institute of Mental Health and
Neuro Sciences, Bangalore - 560 029 (hereinafter called the 'NIMHANS') on demand and without demur in the
event of breach of contract as provided in Clause.4 of the agreement all the amount spent on the stipendiary
together with further sum not exceeding 20% thereof drawn as penalty during the course.

2. Signed this day of in the year two thousand fifteen.
3. Whereas stipendiary is nominated to the NIMHANS stipend at the rate of Rs.3000/- per month for the I and II Years without any allowances for the study of Postgraduate M.Sc in Psychiatric Nursing Course at the National Institute of Mental Health and Neuro Sciences, Bangalore on the condition of his/her executing a bond supported by two sureties on the terms appearing hereinafter which the stipendiary has agreed to do.

4. Now the condition of the above written obligation is that in the event of the above bounden stipendiary participating in a strike or being made to leave the training course on account of indiscipline or misconduct on his/her part or refusing to serve the Institute for a period of two years if required to do so within a period of six months after qualifying for full registration completing the course or other reasons not considered valid and satisfactory by the Director, National Institute of Mental Health and Neuro Sciences, Bangalore - 560 029, whose decision in this behalf shall be final, the stipendiary and the sureties jointly and severally pay and refund to the Director, NIMHANS, on demand and without demur all the amount spent on the stipendiary together with a further sum not exceeding in the aggregate 20% thereof as penalty on account of the said training of studies and the aggregate sum not exceeding Rs.18,000/- as the Director, NIMHANS may direct. The decision of the Director, NIMHANS as to the commission of breach or any indiscipline, misconduct on the part of the stipendiary as also the amount of penalty payable as

NIMHANS

to whether the stipendiary has or has not performed and observed the conditions and obligations under these presents shall be final and binding on the stipendiary and the sureties.

5. The stipendiary except as provided in the agreement discontinues the course to which he/she has been admitted without completing in the middle shall be liable to pay a sum of six full months stipend to the Institute as penalty besides forfeiture of emoluments for the month in which he/she discontinues the course with interest until realization and the sureties are equally responsible.
6. And upon making such payment, the above written obligation shall be void and of no effect, but otherwise, it shall be and remain in full force and virtue.
7. And the surety hereby covenant with the Director, NIMHANS that liability of the sureties hereunder shall not be impaired or discharged by reason of time being granted or any forbearance, act or omission of the Institute (whether with or without the knowledge or consent of the sureties) in respect of or in relation to the several obligations and conditions to be performed or discharged by a stipendiary or by any other matter or thing whatsoever which under the law relating to sureties, shall but for this provision, have the effect of releasing the sureties from such liability, nor shall it be necessary for the Institute to sue the stipendiary before suing either of the sureties for amount due hereunder.
8. It is agreed that the stamp duty shall be borne by the student.
9. In witness whereof the said stipendiary and the sureties have put their respective hands the day and year herein above written hereunto and Sri/Smt.....

Signed by the Stipendiary in the
Presence of
(Permanent address proof should
be produced at the time of admission).

.....
Signature of the Stipendiary

Signed by the First Surety (Parent)
in the presence of
(ID, Address proof should be enclosed)

.....
Signature of first surety

Signed by the Second Surety (Guardian)
in the Presence of
(ID, Address proof should be enclosed)

.....
Signature of second surety

Certified that the above named sureties are solvent and acceptable.

.....
Signature of the Magistrate/Notary
(With Seal)

Bond to be executed by the student selected under external fellowship category and his/her sureties (for Ph.D course)

Know all men by those presents that We/I Son/Daughter of residing at (Full Address) hereinafter called the 'STUDENT' (which expression shall unless excluded by or a repugnant to the context include his/her heirs, executors, administrators and legal representatives) and (Full name and address):

(1) and (Full name and address) (2)

hereinafter called 'the First Surety' and 'the Second Surety' respectively (which expression shall unless excluded by or repugnant to the context include their respective heirs, executors, administrators and legal representatives) bind ourselves jointly and severally to pay the Board of Management of the National Institute of Mental Health and Neuro Sciences, Bangalore - 560 029 (hereinafter called the 'NIMHANS') on demand and without demur in the event of breach of contract as provided in Clause.4 of the agreement all the amount spent due to be paid by the UGC/CSIR/ICMR together with further sum not exceeding 30% thereof drawn as penalty during the course.

- Signed this day of in the year two thousand fifteen.
- Whereas the student selected for postgraduate Ph.D in at the National Institute of Mental Health and Neuro Sciences, Bangalore - 560 029 has to execute a bond supported by two sureties on the terms appearing hereinafter which the student has agreed to do.
- Now the condition of the above written obligation is that in the event of the above bounden student participating in a strike or being made to leave the training course on account of indiscipline or misconduct on his/her part or refusing to serve the Institute for a period of 3 years is required to do so within a period of six months after qualifying for full registration completing the course or for other reasons not considered valid and satisfactory by the Director, National Institute of Mental Health and Neuro Sciences, Bangalore - 560 029, whose decision in this behalf shall be final. The decision of the Director, NIMHANS as to the commission of breach or any indiscipline, misconduct on the part of the student as also the amount of penalty payable and as to whether the student has or has not performed and observed

NIMHANS

the conditions and obligations under these presents shall be final and binding on the student and the sureties.

5. And upon making such payment, the above written obligation shall be void and of no effect, but otherwise, it shall be and remain in full force and virtue.
6. And the sureties hereby covenant with the Director, NIMHANS that liability of the sureties hereunder shall not be impaired or discharged by reason of time being granted or any forbearance, act or omission of the Institute (whether with or without the knowledge or consent of the sureties) in respect of or in relation to the several obligations and conditions to be performed or discharged by a stipendiary or by any other matter or thing whatsoever which under the law relating to sureties, shall but for this provision, have the effect of releasing the sureties from such liability, nor shall it be necessary for the Institute to sue the student before suing either of the sureties for amount due hereunder.
7. It is agreed that the stamp duty shall be borne by the student.
8. In witness whereof the said student and the sureties have put their respective hands the day and year herein above written hereunto and Sri/Smt/Dr.....

Signed by the student in the

Presence of

(Permanent address proof should
be produced at the time of admission).

.....

Signature of the Student

Signed by the First Surety (Parent)

in the presence of

(ID, Address proof should be enclosed)

.....

Signature of first surety

Signed by the Second Surety (Guardian)

in the Presence of

(ID, Address proof should be enclosed)

.....

Signature of second surety

Certified that the above named sureties are solvent and acceptable.

.....

Signature of the Magistrate/Notary
(With Seal)

Agreement Bond to be executed by B.Sc. (Nursing / Radiography / Anaesthesia Technology students)

KNOW ALL MEN BY THESE PRESENTS THAT WE _____ Son / Daughter of _____ residing at (full address) _____ in the district of _____ at present undergoing B.Sc. (Nursing / Radiography / Anaesthesia Technology) course in NIMHANS (hereinafter called 'the obligor') AND Shri / Smt./ Miss _____ Son / daughter of Shri / Smt. _____ (hereinafter called "the sureties") do hereby jointly and severally bind ourselves and our respective heirs, executors and administrators to pay to the Director, NIMHANS (hereinafter called "the Government") on demand for the sum of Rs.5,00,000/- (Rupees five lakhs only) besides emoluments paid during the period of one year Compulsory Internship together with interest thereon from the date of demand at Government rates for the time being in force on Government loans or, if payment is made in a country other than India, the equivalent of the said amount in the currency of that country converted at the official rate of exchange between that country and India AND TOGETHER with all costs between attorney and client and all charges and expenses that shall or may have been incurred by the NIMHANS, Bangalore.

WHEREAS the obligor is allotted seat by NIMHANS, Bangalore to undergo B.Sc. (Nursing / Radiography / Anaesthesia Technology) course from _____ to _____

AND WHEREAS for the better protection of NIMHANS the obligor has agreed to execute this bond with such condition as hereunder is written.

AND WHEREAS the said sureties have agreed to execute this bond as Sureties on behalf of the above bounden _____

NOW THE CONDITION OF THE ABOVE WRITTEN OBLIGATIONS IS THAT in the event of the obligor Shri. / Smt. _____ (failing to undergo one year's compulsory internship or discontinues the internship after the successful completion of B.Sc. course, the obligor and the sureties shall forthwith pay to the NIMHANS or as may be directed by the NIMHANS on demand the said sum of Rs.5,00,000/- (Rupees five lakhs only) besides emoluments paid / payable during the period of Compulsory Internship together with interest thereon from the date of demand at Government rates for the time being in force on Government loans or together with interest thereon from the date of demand at Government rates for the time being in force on Government loans.

And upon the obligor Shri. / Smt. _____ and, or Shri. / Smt. _____ and, or Shri. / Smt. _____ the sureties aforesaid making such payment the above written obligation shall be void and of no effect, otherwise it shall be and remain in full force and virtue.

NIMHANS

PROVIDED ALWAYS THAT THE Liability of the sureties hereunder shall not be impaired or discharged by reason of time being granted or by any forbearance, act or omission of the NIMHANS or any person authorized by them (whether with or without the consent or knowledge of the sureties) nor shall it be necessary for the NIMHANS to sue the obligor before suing the sureties Shri. / Smt. _____ and Shri. / Smt. _____ or any of them for amounts due hereunder.

PROVIDED ALWAYS and it is HEREBY SPECIFICALLY AGREED and DECLARED that the decision of the Government, as to whether the student has or has not performed or observed any of the obligations, terms and conditions herein before setout and recited shall be final and binding on the parties hereto.

The bond shall in all respect be governed by the laws of India for the time being in force and the rights and liabilities hereunder shall where necessary be accordingly determined by the appropriate Courts in India.

Signed and dated this _____ day of _____ two thousand and fifteen.

Signed and delivered by the obligor above named **(ID, Address proof should be enclosed)**

Shri. / Smt. _____

In the presence of

Witnesses: 1 _____

2 _____

Signed and delivered by the surety above named **(ID, Address proof should be enclosed)**

Shri. / Smt. _____

In the presence of

Witnesses: 1 _____

2 _____

Signed and delivered by the surety above named **(ID, Address proof should be enclosed)**

Shri. / Smt. _____

In the presence of

Witnesses: 1 _____

2 _____

PROSPECTUS 2015-16

Certified that the above named sureties are solvent and acceptable.

(With Seal)

.....
Signature of the Magistrate/Notary

ACCEPTED

DIRECTOR / VICE-CHANCELLOR
NIMHANS, Bangalore – 560 029

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