NEIGRIHMS

25th ANNUAL REPORT

2014-2015

NORTH EASTERN INDIRA GANDHI REGIONAL INSTITUTE OF HEALTH AND MEDICAL SCIENCES
SHILLONG – 793 018
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DIRECTOR’S REVIEW

It is a matter of great pride for me to present this 25th Annual Report as the Director of this prestigious Institution, NEIGRIHMS, an autonomous Institution established by the Government of India in 1987, dedicated to the memory of (Late) Indira Gandhi by then Prime Minister (Late) Rajiv Gandhi for their commitment to the welfare and affection of the people of North Eastern Region.

Designed as a tertiary care centre for Post Graduate and Post Doctoral Research in lineage with AIIMS, New Delhi and PGIMER, Chandigarh, NEIGRIMS is the only Institution in the North Eastern Region and the third in the country established by the Ministry of Health & Family Welfare, Government of India, declared as the “Institute of National Importance” by the former Prime Minister of India Mr. Atal Bihari Vajpayee in 2000 and declared as a “Centre of Excellence” by Parliament on 23rd January 2007. Mrs. Sonia Gandhi, Hon’ble Chairperson UPA dedicated this Institution to the Nation on March 5th 2010 in the august presence of Hon’ble Union Minister for Health and Family Welfare, Mr. Ghulam Nabi Azad.

North Eastern region has got a population of about 40 million in an area of about 2.6 Lakh square kms covered by about 400 hospitals where doctor population ratio is approximately 1: 5000 against a national figure 1:2000, with an overall 50% deficiency in medical manpower and overall 60% in total health sector.

Despite a few medical colleges in Assam, Manipur, Tripura entire North East Region is facing acute shortage of both health infrastructure and man power, more so in super specialities, nursing and paramedics. Accordingly NEIGRIHMS has been envisaged as the most vital asset to address this shortage in the North Eastern Region in terms of Health care delivery as well as Human Resource Development where there is no medical college in Arunachal Pradesh, Nagaland, Mizoram and Meghalaya as of now.

NEIGRIHMS as the “Island of Excellence” has the responsibility of an apex coordination centre to guide the health care policy of the Central Government, to potentially coordinate with international health organizations like WHO, UNICEF, World Bank etc in the activities of health sector with a vision of developing an apex seat of learning cum health care and capacity building as also to develop a self-sustainable resource centre of Health and Medical Sciences through the trinity of training, services and research as emphasized in the RFD document 2013-14, therefore, destined to be the “Pride” of North Eastern Region by the end of 12th Five Year Plan with its prime objective as a central research organization with facilities for primary and advanced research to look after the medical needs and collaborate with other national and international agencies so as to develop a true and exemplary centre of excellence for providing state of art health care at an affordable cost to the common citizen.
in a sustained manner, to create human resource and role models of highest quality for health care teaching and research.

The Undergraduate Programme of MBBS was introduced at this Institution in 2008 with an affiliation to the Central University, North Eastern Hill University with an annual intake of 50 students, that is now recognized course by Medical Council of India vide notification no.U.12012/82/2011-ME (P-II) dated 7th November 2013. A separate Medical College Complex along with its hostel facility is in the pipeline that will facilitate the increase in the intake capacity to 100 students per year.

Post Graduate Medical Courses in Anaesthesiology, Pathology, General Medicine, General Surgery, Microbiology, Obstetrics & Gynaecology, Anatomy, Radio diagnosis and Imaging were introduced since May 2009 and all these Post Graduate Degree Courses are recognized by Medical Council of India and many pass outs have been absorbed at this Institution and in the country, besides, some of them having opted out for their services abroad.

In August 2012 Post Doctoral Programme in Cardiology was introduced and many other Post Graduate/Post Doctoral Programmes have been approved by the Academic Council of NEIGRIHMS to be started in the near future in the disciplines of Cardio Vascular Thoracic Surgery, Urology and Renal Transplant, Neurosurgery, Neurology, Orthopaedics and Physical Medicine Rehabilitation, Emergency Medicine and Trauma, Radiation Sciences, Medical Oncology, Clinical Haematology and Transfusion Medicine, Ophthalmology, ENT, Clinical Biochemistry, Community Medicine etc.

Academic Council also has approved the introduction of Post Doctoral Fellowship Programmes in various disciplines of Anaesthesiology and Critical Care Medicine, Microbiology, Immuno Diagnostics, Intensive Care Medicine and Pain Management, Radio diagnosis and Imaging etc.

Academic Council approved introduction of M.Sc Nursing at NEIGRIHMS where Under Graduate, BSc Nursing Degree Course with annual intake of 50 students has already been going on since July 2006. This being the first Institution in the state of Meghalaya to start a professional degree technical course in nursing that is likely to enhance its annual capacity to 100 students per year in the near future, as the infrastructure for nursing education with a separate college along with its hostel in the campus gets expanded, the project already approved and being in the pipeline along with other expansion projects that will facilitate the introduction of Post Doctoral Nursing (PhD in nursing) in due course of time.
Along with the separate Medical College and Nursing College Complex a Regional Cancer Centre is in the pipeline that would facilitate the treatment of cancer afflicted patients with the State-of-Art infrastructure and facilities for stay in a ‘Patient Rest House’ for patients and their attendants during the treatment at this Regional Cancer Centre.

As on date the institute is conducting High End diagnostics and medicare in interventional cardiology, open heart surgery, neurology and neurosurgery, minimal access surgery with the help of video-endoscopic, laparoscopic facilities in general surgery, internal medicine, orthopaedics, Obs & Gynae, otorhinolaryngology, ophthalmology, critical care medicine, emergency medicine and resuscitation, urological surgery besides state of art medicare in all other specialties like joint replacements, arthroscopy, GI Endoscopy, Laser Photo Coagulation, Immunohistochemistry, interventional radiology, component transfusion, hemodialysis, physical medicine and rehabilitation and advanced research in basic and para-clinical sciences, more importantly extending the benefits of primary and high end care to the most remotely placed population at their door steps through outreach camps with the help of Community Medicine.

NEIGRIHMS is conducting clinical grand rounds/clinicopathological conferences, national/international conferences, symposia, workshops, teleconferences, tele-medicine in collaboration with other institutes in the country, involving various other funding agencies for research, especially ICMR, HRD, DST etc and has been in the forefront with its research publications of appreciable impact on need based, indigenous projects.

On the Bio Medical Engineering front, NEIGRIHMS is focusing on creation of research areas for applied sciences to look after its own bio medical equipment and maintenance of engineering facilities especially for harnessing solar energy and harvesting rain water with the indigenously designed in house underground water reservoirs of approximately 10 lakh gallons to cater to its future needs.

With Post Graduate/Post Doctoral teaching facilities in 35 disciplines along with its 500 bed capacity and almost 75 intensive care beds and 100 bedded Regional Cancel Centre plus separate medical and nursing colleges and college for Pharmacy and Dental Sciences. Patient Rest House, Helipad, Air Ambulance to air lift and in transit management of seriously sick/injured patients from far flung hilly areas of North East, better road connectivity with the Shillong bypass, this Institution is on its way to be the major Referral Regional Centre with state of the art facility for Medicare, Human Resource Development and Medi Tourism in North East.

The Institute is looking forward to start medicare of highest order in terms of cardiac, liver, kidney, corneal transplants etc. Stem Cell Diseases etc. Treatment in near future. With the selection of further faculty in due course of time all other areas of patient care research and academics are going to get tremendous boost to achieve the
desired goals and fulfill the vision of this Institution that was acknowledged by Hon’ble Union Minister for Health and Family Welfare Mr. Ghulam Nabi Azad when he delivered the “First Indira Gandhi Oration” at NEIGRIHMS on April 2nd 2013 wherein he promised for an “Act of Parliament” that would give NEIGRIHMS its long awaited Academic Autonomous Character so that this Institution lives up to the dream it was envisaged for.

Eversince the first Annual Programme of Post Graduate Research Presentation on March 5, 2013, these annual events have revitalized the concepts in the Post Graduate Research and publications of original papers in the prestigious journals at national and International level and inspired all the Research minded personel to organize and participate in such Academic events at NEIGRIHMS and also at National /International fora. Many such occasions at NEIGRIHMS have been graced by Hon’ble dignitaries from Ministry of Health and Family Welfare and other scientific diaspora’s. Accordingly Hon’ble Union Minister for Science & Technology & Earth Sciences Dr. Harsh Vardhan and Hon’ble Minister of Health and Family Welfare Shri J P Nadda took the lead in guiding and patronizing such academic events at this Institution. A number of International delegates participated in various conferences/seminars conducted by this Institution during the year under review while co-organizing some of the innovative workshop at this Institution.

I feel immensely indebted to and have a great sense of “pride” to show my gratitude towards all the faculty members/teachers/administrative man power and all other staff members- regular/out –source, working at the Institution day in and out for looking after and giving their best to the one, the prime concern of this Institute, “a sick and suffering human life” at large;...!
NORTH EASTERN INDIRA GANDHI REGIONAL INSTITUTE
OF HEALTH AND MEDICAL SCIENCES

Organization Structure

Governing Council

President

Standing Finance Committee

Executive Committee

Academic Committee

Standing Selection Committee

Ad-hoc Committee

Co-ordination Board

Director
NEIGRIHMS AT A GLANCE

2014 - 2015

25th Annual Report

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<td>Faculty members</td>
<td>72</td>
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<tr>
<td>Non Faculty staff</td>
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<td>Undergraduate students (MBBS)</td>
<td>268</td>
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<td>Undergraduate students (Nursing)</td>
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<td>Postgraduate students (MD/MS)</td>
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<td>Post Doctoral</td>
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HOSPITAL FACILITY AND SERVICES AT A GLANCE

The Hospital is equipped with several advanced equipments/facilities for Patient Care, Academic and Research activities.

### PRESENT OPERATIONAL DEPARTMENTS/ SERVICES IN THE HOSPITAL

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### OTHER SUPPORTING SERVICE DEPARTMENT / SECTIONS:

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<td>MEDICAL RECORDS DEPARTMENT</td>
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# Hospital Services

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<td>1,79,305</td>
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<td><strong>Cardiology</strong></td>
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**Dietary Unit**

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<td><strong>Diet Counselling</strong></td>
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<td><strong>Hospital Charges Collected</strong></td>
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<td><code>1,16,45,018/-</code></td>
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SECTION – A – DEPARTMENTS

DEPARTMENT OF ANAESTHESIOLOGY & INTENSIVE CARE

FACULTY:

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<td>Professor &amp; Head</td>
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<td>Dr. P. Bhattacharyya</td>
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<tr>
<td>Additional Professor</td>
<td>-</td>
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<td>Dr. Mohd. Yunus</td>
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<td>Associate Professor</td>
<td>2</td>
<td>1</td>
<td>Dr. Nari M Lyngdoh</td>
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| Assistant Professor | 3          | 2              | Dr. Jayanta Kumar Mitra (resigned on 22.06.2014)
|                     |            |                | Dr. Rajani Thabah, MD                     |

Highlights:

The Department of Anaesthesiology & Critical Care has been actively involved in patient care services, teaching and research activities. Patient care services include services for the critically ill patients in CCU, daily PAC & Pain Clinic, Operation Theatre services (Routine & Emergency), Radiological Services (Interventional & MRI). Highlights of teaching services include regular postgraduate teaching activities like seminars, clinical case discussions, journal clubs and academic grand rounds.

At Present, there are

- 2 major and 1 minor operation theatre at Emergency Block
- Seven Operational O.Ts which provide for General Surgery, Obs & Gynaecology, CTVS, Urology, Neuro Surgery, ENT, Ophthalmology as well as 24x7 Emergency Surgery Services.
- 31 Bed Critical Care Unit (CCU)
- Pain & Palliative Care Clinic (OPD) & intervention suite
- PAC Clinic OPD

Services to the patients

- Anaesthesiology services were provided for 3 operating table in Emergency operation theatre complex including major & minor, scheduled and emergency surgeries/procedures round the clock.
- The department is providing elective and Emergency Anesthesia services to patients from:
  - Cardiothoracic vascular Surgery
  - Neuro Surgery
  - Urology,
- General Surgery
- Obstetric Gynecology
- Orthopedic
- ENT
- Interventional Radiology
- Non-Interventional Radiology
- Interventional Pain Services
- Acute Pain Services

- 24 hr Resuscitation services to entire hospital.
- Critically ill patients are provided intensive care and therapy in Critical Care Unit (CCU)
- Pre-Anesthesia Evaluation clinic in the OPD block provides services for the optimization of surgical patients for various surgical procedures.
- Pain clinic takes care of chronic pain patients with interventional and non-interventional therapies.
- The Department is providing round the clock Labour Analgesia services.

**Academic Activities, Training & Services**

1. Classes (Modalities involved - Lecture, Case discussion, Journal Club, Case presentation, equipment discussion, quality control analysis etc.) were conducted regularly involving Residents, Technical/Non-Technical staff, Nursing staff & Faculty.
2. Classes on various topics (as requested by the College of Nursing Authority, NEIGRIHMS) have been taken for B.Sc Nursing Students throughout the academic session.
3. MD (Anaesthesia) 3rd Batch students passed out in May, 2014 with 100% success rate.
4. The department successfully conducted Surgical Awareness Camps all Surgical disciplines.
5. 2 candidates admitted in the IDCCM course in the department of Anaesthesiology and Critical Care.
6. 4 candidates admitted for IDCCN course in the department of Anaesthesiology and Critical Care.
7. Activities of the Palliative Care Unit, NEIGRIHMS were telecast in the PCN on May 2014.
8. Organises the Outreach services for Palliative Care in coordination with VHAM, Meghalaya after conducting 2 workshops on Palliative Care for volunteers in NEIGRIHMS.

**Education:**

**CME/Workshops/Symposia/National and International Conference:**
### Lectures delivered at CMEs, National and International Conferences:

**Name of Faculty Member:** Prof. P. Bhattacharyya: (Period: 1st April, 2014 – 31st March 2015)

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Name of the Event</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>CME on “Perioperative Fluid Therapy: What is new?” in Collaboration with Indian Society of Anaesthesiologists (ISA), Shillong Chapter</td>
<td>29th April, 2014</td>
<td>Shillong Club</td>
<td>Shillong</td>
</tr>
<tr>
<td>2.</td>
<td>CME on “Continuous Glucose Monitoring” in collaboration with ISCCM, Shillong Chapter</td>
<td>20th August, 2014</td>
<td>Hotel Majestic</td>
<td>Shillong</td>
</tr>
<tr>
<td>4.</td>
<td>Training &amp; Workshop of BSF Paramedics and Staff Nurses on “Basic Life Support &amp; Basics of Ventilatory Care” (5 batches)</td>
<td>November, 2014 to January, 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Authors</th>
<th>Title of presentation</th>
<th>Name of Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. P. Bhattacharyya</td>
<td>Promoting patient safety strategy to decrease anesthetic risk in children</td>
<td>24th Annual Conference of Research Society of Anaesthesiology Clinical Pharmacology, RSACPCON- 2014</td>
<td>14th - 16th Nov, 2014</td>
<td>Himalayan Institute of Medical Sciences, HIHT University, Dehradun</td>
<td>Dehradun</td>
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<tr>
<td>No.</td>
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<td>Title</td>
<td>Event Details</td>
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<tr>
<td>2.</td>
<td>Dr. P. Bhattacharyya</td>
<td>H.K. Dutta Memorial Oration: Delivery of Critical Care in the rural setup.</td>
<td>3rd North East Zonal Anaesthesia Conference (NEZACON-2014), 11th &amp; 12th October, 2014 held in Agartala</td>
<td>11th &amp; 12th October, 2014</td>
<td>Department of Anaesthesiology, AGMC &amp; GBP Hospital, Agartala, Tripura</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Dr. P. Bhattacharyya</td>
<td>Management of Cancer Pain</td>
<td>One day CME on “Cancer Pain Management vis-a-vis Oral Morphine” at Gauhati Medical College and Hospital (GMCH)</td>
<td>7th November, 2014</td>
<td>Cancer Aid Society and dept. of Anaesthesiology, Gauhati Medical College and Hospital (GMCH)</td>
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<tr>
<td>5.</td>
<td>Dr. P. Bhattacharyya</td>
<td>Therapeutic hypothermia</td>
<td>6th Annual Conference of Indian College of Anaesthesiologists (ICA) at Narayana Hrudayalaya Hospitals, Bangalore, India from 21st to 23rd November, 2014</td>
<td>21st to 23rd November, 2014</td>
<td>Narayana Hrudayalaya Hospitals, Bangalore</td>
<td></td>
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</table>
**Lectures delivered at CMEs, National and International Conferences:**

**Dr. Md. Yunus: (Period: 1st April, 2014 – 31st March 2015)**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Authors</th>
<th>Title of presentation</th>
<th>Name of Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. Md. Yunus</td>
<td>Current approach to Perioperative blood sugar control</td>
<td>NEZACON- 2014</td>
<td>(11-12 October, 2014)</td>
<td>Medical college Agartala</td>
<td>Agartala</td>
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<tr>
<td>2.</td>
<td>Dr. Md. Yunus</td>
<td>Faculty for Fundamental of Trauma, Resuscitation &amp; Trauma Critical Care Course</td>
<td>10th Annual INDO-US Emergency Summit</td>
<td>15th – 19th October, 2014</td>
<td>KGMU, Lucknow</td>
<td>Lucknow</td>
</tr>
<tr>
<td>3.</td>
<td>Dr. Md. Yunus</td>
<td>Faculty &amp; Coordinator of MCI Basic Course Workshop on MET at NEIGRIHMS</td>
<td>MCI Basic Course Workshop on MET at NEIGRIHMS</td>
<td>26th – 28th March, 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
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<tr>
<td>4.</td>
<td>Dr. Md. Yunus</td>
<td>Planning a Thesis (Coordinator of the Programme)</td>
<td>Orientation Programme for First Year Post Graduate &amp; Post Doctor (MD/MS/DM students 2014)</td>
<td>23rd July, 2014</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
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<table>
<thead>
<tr>
<th>Sl.</th>
<th>Title of the Project</th>
<th>Authors</th>
<th>Event Details</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Impact of targeted optimization of fluid status using Extra Vascular Lung Water Measurement in ICU patients with APACHE II ≥ 20 (with special reference to severe sepsis, ARDS, and chronic alcohol abuse) – A Pilot Study.</td>
<td>Dr. Md. Yunus</td>
<td>Orientation Programme for First Year Post Graduate &amp; Post Doctor (MD/MS/DM students 2014)</td>
<td>NEIGRIHMS Shillong</td>
</tr>
<tr>
<td>2</td>
<td>Effect of Transversus abdominis plane block or local infiltration with bupivocaine for postoperative analgesia in caesarean section.</td>
<td>Dr. Md. Yunus</td>
<td>Orientation programme for the 1st Year MBBS students 2014</td>
<td>NEIGRIHMS Shillong</td>
</tr>
<tr>
<td>3</td>
<td>Comparative evaluation of hemodynamic response, efficacy &amp; safety of Levosimendan, Milrinone and Dobutamine in patients with low cardiac output syndrome following cardio pulmonary bypass for valve replacement surgeries</td>
<td>Dr. Md. Yunus</td>
<td>MCI Basic Course Workshop on MET at NEIGRIHMS</td>
<td>NEIGRIHMS Shillong</td>
</tr>
<tr>
<td>4</td>
<td>Role of Post-op Anaesthesiologist’s Visit in Patient Satisfaction</td>
<td>Dr. Md. Yunus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>To Compare Continuous Subcutaneous Insulin Delivery Versus Continuous Intra-venous Insulin Delivery In Critically Ill Patients and Determine The Role of Continuous Glucose Monitoring Device</td>
<td>Dr. Md. Yunus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Long-term efficacy of cooled radiofrequency ablation for sacro-iliac joint dysfunction</td>
<td>Dr. Md. Yunus</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Departmental projects (Thesis/Dissertations): Ongoing
<table>
<thead>
<tr>
<th>Sl.</th>
<th>Title of the Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>LOW BACK PAIN: A Prospective Hospital Based Study to assess Its Etiology and Impact on quality of Life</td>
</tr>
<tr>
<td>2.</td>
<td>Epidural Ropivacaine For Labor Analgesia: A Comparative Study Among 0.05, 0.1 &amp; 0.2% Ropivacaine With 2mcg/MI Of Fentanyl.</td>
</tr>
<tr>
<td>3.</td>
<td>Comparison of sedation by continuous infusion of dexmedetomidine, Midazolam &amp; Propofol in patients on Mechanical Ventilation in the Intensive Care Unit</td>
</tr>
<tr>
<td>4.</td>
<td>A prospective Hospital Based Study to Ascertain Optimal FiO2 and Levels of PEEP based on static Compliance of lung in patients presenting with ARDS &amp; ALI</td>
</tr>
<tr>
<td>5.</td>
<td>Peri-operative Ramosetron and Ramosetron plus Dexamethasone Therapy for The Prevention of Post Operative Nausea and Vomiting Following Laparoscopic Cholecystectomy Surgery Under General Anaesthesia: A Randomized Double Blind Prospective Study&quot;</td>
</tr>
<tr>
<td>6.</td>
<td>Role of Perioperative Oxygen Supplementation in Relation To Surgical Site Infection In Urological Surgery Under Neuraxial Anaesthesia</td>
</tr>
<tr>
<td>7.</td>
<td>Influence of packed red blood cell transfusion on risk of acute kidney injury and acute kidney injury after cardiopulmonary bypass in anemic and non-anemic patients undergoing cardiac surgery</td>
</tr>
<tr>
<td>8.</td>
<td>Efficacy of lateral branch pulsed radiofrequency denervation and intra articular depomedrol injection for sacroiliac joint pain – a randomized, prospective, single blinded comparative study</td>
</tr>
<tr>
<td>9.</td>
<td>Epidural Ropivacaine For Labor Analgesia : A Comparative Study of 0.2% Ropivacaine, 0.2% Ropivacaine with 0.25 µcg/Kg Dexmedetomidine and 0.2% Ropivacaine with 0.25 µcg/Kg Dexmedetomidine combined with 500 µcg Neostigmine</td>
</tr>
<tr>
<td>10.</td>
<td>Assessment Of Nutritional And Hydration Status In Critically Ill Patients Using Bio-Impedance Spectroscopy And Clinical Parameters</td>
</tr>
<tr>
<td>11.</td>
<td>Evaluation of hearing loss after spinal anaesthesia</td>
</tr>
<tr>
<td>12.</td>
<td>Efficacy Of Perioperative Dexmedetomedine In Attenuation Of Hemodynamic Response To Intubation, Effect On Hemodynamic Response During Surgery And Dose Sparing Effect Of Opioids And Anaesthetic Agents In Patients Undergoing Laparoscopic Cholecystectomy</td>
</tr>
<tr>
<td>13.</td>
<td>A Comparative Study Of The Cam-ICU, The Neecham Confusion Scale And The Icdsc For The Assessment Of Delirium In The ICU</td>
</tr>
<tr>
<td>14.</td>
<td>LOW BACK PAIN- Evaluation of intra-articular injection of platelet rich plasma in the management of Chronic Low Back Pain due to Sacroiliac joint Dysfunction</td>
</tr>
</tbody>
</table>
### Departmental Ongoing Projects

<table>
<thead>
<tr>
<th>Sl.</th>
<th>Title of the Project</th>
<th>Collaborating department/institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Open Heart Surgery: Outcome of first 350 cases of a newly established hospital located in remote area of North East India (Meghalaya). A retrospective study</td>
<td>NEIGRIHMS</td>
</tr>
<tr>
<td>2.</td>
<td>Outcome of mechanical valve replacement in a hospital of remote area of North East India (Meghalaya). A 5 year retrospective study</td>
<td>NEIGRIHMS</td>
</tr>
<tr>
<td>3.</td>
<td>Predictors of difficult laryngoscopy and intubation: A prospective study in North Eastern population in Northeast India</td>
<td>NEIGRIHMS</td>
</tr>
<tr>
<td>4.</td>
<td>Investigations in preoperative assessment: How far we are following standard guidelines</td>
<td>NEIGRIHMS</td>
</tr>
<tr>
<td>5.</td>
<td>Efficacy of Hand Hygiene practice in operation theatre</td>
<td>NEIGRIHMS</td>
</tr>
</tbody>
</table>

### Departmental Completed Projects

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of the Project</th>
<th>Collaborating department/institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Evaluation of knowledge, attitude and practice of Basic Life Support (BLS) among the doctors &amp; students in a tertiary care medical institute of North East India</td>
<td>NEIGRIHMS</td>
</tr>
<tr>
<td>2.</td>
<td>Tube blockage and its Impact: what else we can do? A 2 years retrospective study of the scenario in our Critical Care Unit</td>
<td>NEIGRIHMS</td>
</tr>
</tbody>
</table>

### Ongoing Collaborative Projects

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of the Project</th>
<th>Collaborating department/institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Pattern of Analgesic utilization in Oncology setting of a tertiary care hospital, NEIGRIHMS</td>
<td>Pharmacology, Orthopaedic, Oncology &amp; Anaesthesiology</td>
</tr>
<tr>
<td>2.</td>
<td>Comparison of Early Vs Delayed Laparoscopic Cholecystectomy in Acute Calculus Cholecystitis</td>
<td>General Surgery, Radiology &amp; Anaesthesiology</td>
</tr>
</tbody>
</table>
3. Autologous bone marrow progenitor cell transplantation for Therapeutic Angiogenesis in critical lower limb Ischemia

Radiology, CTVS, Anaesthesiology, General Surgery, General Medicine, Pathology, Cardiology & Biochemistry.

4. Intraperitonial Analgesia instillation for Post operative pain relief after laparoscopic Cholecystectomy

General Surgery & Anaesthesiology

5. A study on non-alcoholic fatty liver disease in patients undergoing Cholecystectomy

General Surgery, Anaesthesiology & Pathology

6. Early detection of Kidney injury due to broad-spectrum antibiotics use in critically ill patients with reference to cystatin C & Neutrophil gelatinase associated lipocalin

Department of Biotechnology, GOI, Biochemistry, Paediatric, General Medicine, Anaesthesiology & CTVS

Completed Collaborative Projects

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of the Project</th>
<th>Collaborating department/institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>A Study of unsafe CSOM-Hospital based study</td>
<td>ENT, Radiology &amp; Anaesthesiology</td>
</tr>
</tbody>
</table>

Awards, Honours and significant events: Dr. P. Bhattacharyya, Professor & HOD

1. Delivered the H.K. Dutta Memorial Oration during the NEZACON 2014 Anesthesia Conference of ISA held in Agartala, Tripura on 11-12 October 2014.
2. Received the NEIGRIHMS Award for Academic Excellence 2014-15
3. Expert for Selection Committee: Banaras Hindu University
5. Member, National Advisory Panel for Indian Journal of Critical Care Medicine.
6. Nodal Officer, Telemedicine for North Eastern Grid, India
7. Organized the first Workshop on Telemedicine in NEIGRIHMS, Shillong
8. Organized the 1st Telemedicine Meeting for the NE Grid in September 2014 in. NEIGRIHMS, Shillong
9. Conducted the President of India’s Tele-Address in NEIGRIHMS on three occasions
10. Started the Palliative Care Unit in NEIGRIHMS in 2014.
11. The activities of the Palliative Care Unit, NEIGRIHMS were Telecast on PCN Television in May 2014.
12. Organized the Out Reach Services for Palliative Care in Coordination with VHAM, Meghalaya after conducting two workshops on Palliative Care for Volunteers in NEIGRIHMS.
13. Chairman, Evidence Based Medicine, NEIGRIHMS.
14. As Chairman, Organized - Two Workshops on Evidence Based Medicine (in coordination with PGI, Chandigarh) in NEIGRIHMS, Shillong.- One Evidence Based Medicine Workshop via Video Conferencing (in coordination with PGI Chandigarh), Shillong.
15. Conducting One-Year IDCCM Course in the Department with an intake of two Post-MD students per year
17. Procured 9 Cadavers from West Bengal for our Institute for teaching and training purposes.
18. Member of the Committee entrusted with the procurement and installation of the MEDICAL GAS PIPELINE System for NEIGRIHMS.
19. Member of the Committee entrusted with the installation of the MODULAR O.Ts.
20. As Chairman, organized numerous Surgical Camps in our Institute to help deliver greater care to the Community at large.
21. Invited Faculty, Advisor, Observer for State Disaster Management Authority of Meghalaya.
22. Member of the Committee entrusted with the installation of the MODULAR O.Ts.
23. Set up the Museum in the Department of Anesthesiology, NEIGRIHMS.
24. Invited Member of IPC, NEIGRIHMS.
25. Examiner for Indian Diploma in Critical Care Nursing.
26. Member of Four – Member National Panel of Indian Society of Critical Care Medicine for Formulating & Revising Curriculum and Examination system for Critical Care Nursing.
27. Secretary, Shillong Branch of ISCCM.

Awards, Honours and significant events: For Dr. Mohd. Yunus, Additional Professor

1. Received most prestigious “Academic Excellence Award” of the Institute (NEIGRIHMS) during 3rd Annual day of NEIGRIHMS, 5th March, 2015.
2. Appointed as Sub Dean (Research) of NEIGRIHMS from 4th March, 2015.
3. Appointed as Member Secretary of Research Review Board of NEIGRIHMS.
4. Editor & Chairman of Editorial Board of “Hand Book on Medical Education”.
5. Editor of “Scientific Abstract Publication Book” of 3rd Annual day of NEIGRIHMS.
6. Associate Editor of Prestigious Journal of the Institute “NEIGRIHMS Journal of Health & Medical Science”.
7. Member of Institute Ethics Committee of NEIGRIHMS (IEC, NEIGRIHMS).
8. Coordinator of Medical Education Unit of NEIGRIHMS.
10. Invited Esteem Faculty for Fundamental of Trauma, Resuscitation & Trauma Critical Care Course during 10th Annual INDO-US Emergency Summit 15th – 19th October, 2014 at KGMU, Lucknow.
11. Faculty & Coordinator of MCI Basic Course Workshop at NEIGRIHMS, w.e.f. 26th – 28th March, 2015 conducted by KGMU, Lucknow.
12. Invited Faculty for NEZACON- 2014 (11-12 October, 2014) at Agartala & deliver a guest lecture Title : Current approach to Perioperative blood sugar control
13. Course Coordinator for Orientation Programme of 1st yr MBBS students & 1st yr MD/MS/DM students.
14. Deliver in-house lecture in different academic programme: (a) Stress M/M in students (b) planning a Thesis (c) Swine flu – ICU M/M (d) Introduction of Medical Education Domain.
15. Chairman of Academic & Research Committee of 3rd Annual Day Research presentation programme.
Patient Care:

Pain Clinic attendance and procedures for the year April 2014- March 2015 are as follows:

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<thead>
<tr>
<th>Old</th>
<th>New</th>
<th>Refer</th>
<th>Total</th>
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<tr>
<td>M</td>
<td>F</td>
<td>M</td>
<td>F</td>
</tr>
<tr>
<td>267</td>
<td>217</td>
<td>101</td>
<td>98</td>
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<tr>
<td>105</td>
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Total numbers of patients examined in PAC Clinic during 2014-15

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Departments</th>
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<tr>
<td>1</td>
<td>General Surgery</td>
<td>1322</td>
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<tr>
<td>2</td>
<td>Obstetric &amp; Gynaecology</td>
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<tr>
<td>3</td>
<td>Urology</td>
<td>1053</td>
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<td>4</td>
<td>ENT</td>
<td>528</td>
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<td>5</td>
<td>CTVS</td>
<td>454</td>
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<td>6</td>
<td>General Medicine</td>
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<td>7</td>
<td>Paediatrics</td>
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<td>8</td>
<td>Oncology</td>
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<td>Orthopaedics</td>
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<td>Cardiology</td>
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<td>Radiology</td>
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<td>Neurosurgery</td>
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<td>Psychiatry</td>
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ICU Admission and Death Details from April 2014 to March 2015
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<td>Urology</td>
<td>63</td>
<td>307</td>
<td>370</td>
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<tr>
<td></td>
<td>Department</td>
<td>Count</td>
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<td>------------------</td>
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<td>-------</td>
</tr>
<tr>
<td>2</td>
<td>Ortho</td>
<td>10</td>
<td>339</td>
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<tr>
<td>3</td>
<td>O&amp;G</td>
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<tr>
<td>4</td>
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<td>5</td>
<td>CTVS</td>
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<td>6</td>
<td>ENT</td>
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<td>7</td>
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<td>8</td>
<td>Neuro Surgery</td>
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<td><strong>Grand Total</strong></td>
<td><strong>181</strong></td>
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DEPARTMENT OF ANATOMY

FACULTY:

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<tr>
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<th>Sanctioned</th>
<th>Current status</th>
<th>Name</th>
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<tbody>
<tr>
<td>Professor &amp; Head</td>
<td>1</td>
<td>1</td>
<td>Dr. Asima Bhattacharyya</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>1</td>
<td>1</td>
<td>Dr. Amitav Sarma</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>2</td>
<td>2</td>
<td>Dr. Sarah Ralte</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dr. Bishwajeet Saikia (joined on 16.04.2015)</td>
</tr>
</tbody>
</table>

Highlights:

The Anatomy Museum was furnished with more specimens by collecting and preserving the dissected parts and organs from the cadavers.

The Research Laboratory has also been equipped with one rotary microtome and one microtome sharpener. More than 200 slides were made for microscopy examination for MBBS and PG students.

The setting up of Genetic Laboratory is on the verge of completion (one centrifuge machine and one laminar airflow cabinet are procured). Installation of CO2 Incubator is awaited.

Twenty eight books were added to the departmental library. Total no. of books is now 167.


Nine embalmed cadavers were procured from Kolkata for teaching and training purposes.
**Education:**

- Regular classes and seminar/demonstrations are being held for undergraduate, postgraduate and resident doctors. Regular classes and seminar/demonstrations are being held for undergraduate, postgraduate and resident doctors.
- Regular class tests and seminars are being held for undergraduate students.
- Dissection training was conducted on two embalmed human cadavers procured from various Medical Colleges of Kolkata.
- Regular classes, seminars and review of journals are being held for the postgraduate student.
- The MBBS course of 2013-14 batch was completed by 21st May, 2014.
- The First Professional MBBS (practical & viva) Examination of the same batch was conducted in the department on 17th & 18th July, 2014.
- MBBS classes of 2014-15 batch was started from 1st August, 2014.
- The First Professional (supplementary) MBBS (practical & viva) Examination of the same batch was conducted in the department on 29th September, 2014.

**Lectures delivered at CMEs National and International conferences**

*Dr. Amitav Sarma:*

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Principles of Assessment</td>
<td>CME conducted by Medical Education</td>
<td>July 2014</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>2.</td>
<td>Ethical issues and organ donation</td>
<td>1st Annual National Conference cun CME</td>
<td>14th November, 2014</td>
<td>Tezpur Medical College</td>
<td>Tezpur</td>
</tr>
<tr>
<td>3.</td>
<td>Principles of Assessment</td>
<td>Basic course workshop in Medical Education Technology</td>
<td>26th March, 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>4.</td>
<td>Types of Assessment and its Importance</td>
<td>Basic course workshop in Medical Education Technology</td>
<td>27th March, 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
</tbody>
</table>
Dr. Sarah Ralte:

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>‘e-Learning Resources in Medical Education’</td>
<td>Medical Education Unit, NEIGRIHMS</td>
<td>21&lt;sup&gt;st&lt;/sup&gt; August, 2014</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
</tbody>
</table>

List of oral paper/posters presented

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Author/Faculty</th>
<th>Title of presentation</th>
<th>Name of the Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. Sarah Ralte</td>
<td>A case report of pyramidal lobe of thyroid gland and its clinical implications</td>
<td>62&lt;sup&gt;nd&lt;/sup&gt; NATCON ASI 2014, Imphal</td>
<td>19&lt;sup&gt;th&lt;/sup&gt; November, 2014</td>
<td>RIMS (Regional Institute of Medical Sciences )</td>
<td>Imphal</td>
</tr>
<tr>
<td>2.</td>
<td>Dr. Sarah Ralte</td>
<td>A case report of pyramidal lobe of thyroid gland and its clinical implications</td>
<td>3&lt;sup&gt;rd&lt;/sup&gt; Annual Day of NEIGRIHMS</td>
<td>4&lt;sup&gt;th&lt;/sup&gt; March, 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
</tbody>
</table>

Departmental Project/ PG thesis: Ongoing

<table>
<thead>
<tr>
<th>Sl</th>
<th>Title of project/PG thesis</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Teratological Effect of Levitiracetam on Pregnant Albino Mice.</td>
</tr>
<tr>
<td>2.</td>
<td>A Cytogenetic Study by G-Banding Karyotyping and Interphase Fluorescence in Situ Hybridization (FISH) on the Products of Conception in patients with adverse Obstetric Outcome (Spontaneous Abortions, Recurrent Miscarriages, Unexplained IUFDs) among the Women Population of Meghalaya – A First Hand Experience from NEIGRIHMS, Shillong. (Submitted to DBT; Currently in the process of Review by Task Force Committee as of 8&lt;sup&gt;th&lt;/sup&gt; June, 2015))</td>
</tr>
</tbody>
</table>

Patient Care / Supportive Activities:
The department has provided embalming services to the dead patients on request of Higher Authority of Institute for transportation of ‘body’ to their home town.
Awards, Honours and significant events:
Asima Bhattacharyya

- Elected in the Editorial Board of Indian Journal of Clinical Anatomy and Physiology.
- Chairperson in the CME cum Seminar on “Clinical Relevance of Autonomic Function Tests”, held in NEIGRIHMS on 13th June, 2014.
- Chairperson of two scientific sessions on “Gross Anatomy” in the 62nd NATCON—ASI, 2014.
- Chairperson of Internal screening Committee of faculty at NEIGRIHMS.
- Chairperson of the Technical Evaluation committee for the procurement of instrument for the Department of Anatomy, Ophthalmology, E.N.T and Forensic Medicine of NEIGRIHMS.
- Chairperson/Judge for the “Scientific Presentation of PG students” on 3rd Annual day celebration of NEIGRIHMS, Shillong, held on 4th March, 2015.
- Centre Superintendent in conducting the written examination for the post of Public Health Nurse…..etc. at NEIGRIHMS.
- Members of the various committees of the Institute (MBBS and Postgraduate counselling committee, Board of studies of professional courses, Library committee, Animal ethics committee, screening committee etc).
- External examiner for MBBS, MD & B.SC Nursing Examination in subject Anatomy in various Medical colleges in India.

Amitav Sarma

- Founder Life Member of “International Journal of Health Research and Medicolegal Practice”
- Life member of “Indian Society for Study of Reproduction and Fertility”
- Co-secretary of Scientific & Publication committee of 3rd Annual day celebration of NEIGRIHMS, Shillong. March 5th, 2015.
- Invited as a Faculty in “Basic Course Workshop in Medical Education Technology” held in NEIGRIHMS from 26th-28th March, 2015
- Nodal Officer for e-counselling of the P.G. & U.G. seat allotment against All India Quota at NEIGRIHMS e-counselling centre.
- Member of Institute Medical Education Unit.
- Member of “Technical Evaluation committee” for purchase of equipments for the Department of Anatomy.
- Internal Examiner for the First Professional MBBS Examination.
- External Examiner for First Professional MBBS Supplementary Examination held in Barpeta Medical College under Srimanta Sankaradeva University of Health Science, Guwahati, in September, 2014 and First Professional BPT Examination held in CPMS, Guwahati under Guwahati University, Guwahati, in May, 2014.

Dr. Sarah Ralte

- Member of editorial board for six American indexed peer reviewed journals.
1. “International Journal of General Medicine Research and Public Health” published by Institute of Research Engineers and Doctors (IRED), based in Santa Barbara, California, USA.
6. Austin Journal of Forensic Sciences and Criminology, published by Austin Publishing Group, New Jersey

- Conferred the title of “Silver Contributor” from the American Association of Anatomists” as of 8\textsuperscript{th} June, 2015.
- Selected Biographee in the “32\textsuperscript{nd} Edition of Marquis who’s who in the World – 2015”.
- Member of “International Scientific Committee for 1\textsuperscript{st} International Microscopy Image Contest (IMIC 2015)”, organized by the Dept. of Mining and Metallurgical Engineering, Amirkabir University of Technology, Tehran, Iran.

- Member of Organizing Committee of Regional CME cum Conference organized by Dept. of Physiology, NEIGRIHMS.
- Member of “Anti-Ragging Committee”.
- Member of “Technical Evaluation committee” for purchase of equipments for the Department of Anatomy.
DEPARTMENT OF BIOCHEMISTRY

FACULTY:

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Current status</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor &amp; Head</td>
<td>1</td>
<td>-</td>
<td>Vacant</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>1</td>
<td>1</td>
<td>Dr. Alice Abraham Ruram</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>2</td>
<td>2</td>
<td>Dr Chandan Kumar Nath</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dr Happy Chutia</td>
</tr>
</tbody>
</table>

Highlights:

The Department of Biochemistry became a fully functional department in July 2008. The department is recognized for teaching of undergraduate, medical research, patient care and training. The department conduct lectures and practical exercises for the undergraduate medical (MBBS), and undergraduate
Nursing classes. The department also runs the 24 hrs/day clinical biochemistry lab providing uninterrupted and unremitting service to the patients visiting NEIGRIHMS.

An average more than 300 patients visit the clinical biochemistry laboratory per day for various clinical investigations. Around 2000 to 2500 numbers of various biochemical tests are performed per day. Apart from teaching and patient care the department is also involved in various research activities. The funding for research is obtained from research grants from intramural sources and National funding agencies.

Education:

The faculty and the resident doctors of the Department of Biochemistry are actively involved in conducting both theory and practical classes to the MBBS students. Tutorials as well as Periodic Internal Assessments through Semesters are also done to assess the progress of the students.

Besides the academic activities in the institution, the faculties are also involved in conducting 1st MBBS examinations, BDS examination in other medical colleges or institutions as external examiner.

The Department is also actively involved in tutoring students enrolled in the institution via Theory for B.Sc. Nursing course including Periodic Internal Assessments through Semesters.

The Department is yet to start the postgraduate M.D.(Biochemistry course) but the faculties are involved in training the post graduate students from other lab departments in the field of clinical biochemistry and being a co guide for their thesis work.

The Department also takes part in the different institutional and regional academic activities on a regular basis for the development of medical man power in the region as per the mandate of the institute.
CMEs/ Workshop/Symphosia /National and international conference

The Department has organized a CME on “clinical laboratory quality management system: road to accreditation” held on 20th May 2014.

Lectures delivered at CMEs, National and international conference

Types of Data by Dr Chandan at DBT funded Symposia on Research Methodology and Biomaterials for Human applications for Clinical Translational Research in NEIGRIHMS on 20-21st March 2015

List of oral papers/posters presented

<table>
<thead>
<tr>
<th>Sl.</th>
<th>Authors</th>
<th>Title of presentation</th>
<th>Name of the conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr Happy Chutia</td>
<td>Association of serum magnesium deficiency with insulin resistance in type 2 diabetes</td>
<td>ACBICON2014(December)</td>
<td>December</td>
<td>AIIMS</td>
<td>Jodhpur, AIIMS</td>
</tr>
</tbody>
</table>

Research/Funded project/Ongoing

<table>
<thead>
<tr>
<th>S No.</th>
<th>Title of the Project</th>
<th>Name of the Principal Investigator</th>
<th>Funded by</th>
<th>Duration</th>
<th>Start year</th>
<th>End year</th>
<th>Total Fund Sanctioned</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Study of glucose 6 phosphatase dehydrogenase deficiency &amp; G6PD gene polymorphism with reference to G6PD B &amp; G6PD (A+/A-) genotype in patient treated for malaria in NEIGRIHMS –</td>
<td>Dr Chandan Kr Nath</td>
<td>DBT</td>
<td>3 years</td>
<td>April 13-March 16</td>
<td></td>
<td>2.34 crore for all combined 7 projects in institute</td>
</tr>
<tr>
<td>2.</td>
<td>Early detection of kidney injury due to broad spectrum antibiotics use in critically ill</td>
<td>Dr Chandan Kr. Nath</td>
<td>DBT</td>
<td>3 years</td>
<td>April 13-March 16</td>
<td></td>
<td>2.34 crore for all combined 7 projects in institute</td>
</tr>
</tbody>
</table>
patients with reference to cystatin C & neutrophil gelatinase associated lipocalin funded by DBT

<table>
<thead>
<tr>
<th>S No.</th>
<th>Title of the Project</th>
<th>Name of the Principal Investigator</th>
<th>Funded by</th>
<th>Duration</th>
<th>Start year End year</th>
<th>Total Fund Sanctioned</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Study of iodine deficiency disorders and abnormal thyroid function test in pregnant women and their neonates in NEIGRIHMS</td>
<td>Dr Alice A. Ruram</td>
<td>ICMR</td>
<td>3 years</td>
<td>July 2012-july 2015</td>
<td>Rs 4,00,000/-</td>
</tr>
</tbody>
</table>

**Departmental project (including thesis/dissertation): Ongoing**

<table>
<thead>
<tr>
<th>S. No</th>
<th>Title of the Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>An evaluation &amp; correlation of prostrate density measurement with percentage of free PSA in patients with BPH suspected of carcinoma</td>
</tr>
<tr>
<td>2.</td>
<td><strong>DM Cardiology Thesis</strong></td>
</tr>
<tr>
<td></td>
<td>1. Inflammatory markers as predictors of outcome in peripartum cardiomyopathy</td>
</tr>
<tr>
<td></td>
<td>2. The impact of low level HDL on clinical outcomes in acute coronary syndrome patients undergoing percutaneous coronary intervention.</td>
</tr>
<tr>
<td></td>
<td>3. To study thyroid profile in patients of A.C.S.</td>
</tr>
<tr>
<td></td>
<td>4. Association between microalbuminuria and severity of CAD in non-diabetics.</td>
</tr>
</tbody>
</table>

**Completed**

<table>
<thead>
<tr>
<th>S. No</th>
<th>Title of the Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Study of Thyroid profile status of MDR TB patients under DOTS Plus treatment in East Khasi Hills district of Meghalaya. (Intramural project)</td>
</tr>
</tbody>
</table>
Patient Care:

Clinical Chemistry Laboratory:

The Department of Clinical Biochemistry offers diagnostic support to the physicians to provide a good clinical service. At present nearly 80 different biochemical tests are done. Apart from routine tests, hormone assays, viz., thyroid, fertility, renal, tumor markers, renal stone analysis, serum protein electrophoresis are done. Furthermore the Biochemistry Laboratory is also routinely conducting biochemical analysis of Urine and various other fluids such as cerebrospinal fluid, peritoneal fluid, etc. Tests like Quantitative CRP, Glycated hemoglobin, IL-6, Iron and vitamin D were introduced this year.

The Clinical Biochemistry Laboratory is also actively involved in stringent Quality Control Programs. Third party Internal Quality Control as per the guidelines of ICMR and Quality Council of India are done on a regular basis to verify and validate the reports generated in the Clinical Biochemistry Laboratory. Moreover the department is also participating in an External Quality Control program (EQAS) of Association of Clinical Biochemists of India (ACBI) conducted by Christian Medical College, Vellore.

The Department of Biochemistry is well equipped with automated clinical equipments that are required for high-quality Clinical Laboratory. Some of the equipments that are at hand in the Clinical Biochemistry Laboratory are:-

- Fully Automated Wet Clinical chemistry analyzers (Beckman Coulter, Olympus AU2700 plus)
- Fully Automated Wet Clinical chemistry analyzers (Beckman Coulter, AU 480)
- Fully Automated Dry Clinical chemistry analyzer (Johnson’s and Johnson’s, Vitrous Chemistry 4600)
- Fully Automated Clinical chemistry analyzers (Transasia Erba XL-600 and Erba 300)
- Fully automated Chemiluminescence’s system (Beckman Coulter, Access 2)
- Fully automated Chemiluminescence’s system (Beckman Coulter, DXI 800)
- ELISA Processor (Mago 4 from Dia Medix)
- Fully automated electrophoresis system from Helena Bioscience with SAS-1 and SAS-2
- Semiautomatic clinical chemistry analyzers
- Semi automated electrolyte analyzers from Eschweiler combiline
- Automated electrolyte analyzer from Caretium
- Clinical centrifuge
- Water purification system (Milipore Elix 3 and Mili Q)
- Water purification system (Milipore Elix-70)
- Water purification system (Thermofisher Maxi Tower plus)
DEPARTMENT OF CARDIOLOGY

FACULTY:

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Current status</th>
<th>Name</th>
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</thead>
<tbody>
<tr>
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<td>1</td>
<td>1</td>
<td>Dr Animesh Mishra</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>1</td>
<td>1</td>
<td>Dr Manish Kapoor</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>2</td>
<td>1</td>
<td>Dr Amit Malviya</td>
</tr>
</tbody>
</table>

DM Cardiology course was started in the year 2012 with annual intake of 2

STATISTICS

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<tr>
<th></th>
<th>OPD</th>
<th>ECG</th>
<th>Echo</th>
<th>TMT</th>
<th>Holter</th>
<th>Cath Lab</th>
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<tbody>
<tr>
<td></td>
<td>17030</td>
<td>13838</td>
<td>10678</td>
<td>809</td>
<td>941</td>
<td>1361</td>
</tr>
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</table>

Bed Occupancy:

- Intensive Coronary Care Unit (ICCU) : 83.06%
- Ward : 75.42%

DETAILS CATHETERIZATION LAB PROCEDURES

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Name of the Procedures done</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DIAGNOSTIC PROCEDURES</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CAG/ Check Angio</td>
<td>715</td>
</tr>
<tr>
<td>2</td>
<td>Renal Angiogram</td>
<td>170</td>
</tr>
<tr>
<td>3</td>
<td>Aortogram/ Peripheral Angio</td>
<td>23</td>
</tr>
<tr>
<td>4</td>
<td>RHS</td>
<td>-</td>
</tr>
<tr>
<td>5</td>
<td>Venogram</td>
<td>-</td>
</tr>
<tr>
<td>6</td>
<td>Cath Study</td>
<td>32</td>
</tr>
<tr>
<td>No.</td>
<td>Procedure</td>
<td>Count</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>7</td>
<td>LV Angio/ RV Angio</td>
<td>03</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td>943</td>
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</tbody>
</table>

**THERAPEUTIC PROCEDURES**

<table>
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<th>Count</th>
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<tbody>
<tr>
<td>1</td>
<td>Angioplasty/PTCA</td>
<td>223</td>
</tr>
<tr>
<td>2</td>
<td>BMV</td>
<td>20</td>
</tr>
<tr>
<td>3</td>
<td>Coarctation Balloon Dilatation</td>
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</tr>
<tr>
<td>4</td>
<td>ASD Closure</td>
<td>04</td>
</tr>
<tr>
<td>5</td>
<td>TPI</td>
<td>77</td>
</tr>
<tr>
<td>6</td>
<td>PPI</td>
<td>45</td>
</tr>
<tr>
<td>7</td>
<td>Peripheral Angioplasty</td>
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<tr>
<td>8</td>
<td>IVC Filter</td>
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<td>9</td>
<td>CRT</td>
<td>05</td>
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<tr>
<td>10</td>
<td>PDA Closure</td>
<td>08</td>
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<tr>
<td>11</td>
<td>POBA</td>
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<td>16</td>
<td>Coil Embolization</td>
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<tr>
<td>17</td>
<td>Pericardial Taping</td>
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<tr>
<td>18</td>
<td>Combo Device</td>
<td>-</td>
</tr>
</tbody>
</table>

**GRANT TOTAL** 418

**Diagnostic Procedure = 943 (+) 418 = Therapeutic Procedure = 1361 Nos.**

In the field of preventive and promotive cardiology, the department of Cardiology has spearheaded in the North Eastern Region by deliberations through Prasar Bharati Shillong Doordarshan, All India Radio (AIR), National Informatics Centre (NIC) Ministry of Communications and Information Technology, Govt of India, Workshops, lectures in Government & Private
Colleges and University, Para-Military Forces, etc since 2007. Department of Cardiology is catering patients from all North East, Eastern India and neighboring countries like Bangladesh, Nepal, Burma etc.

Department of Cardiology is also participating routinely in various health activities of the region through Radio/Television talks, Health camps, CMEs and awareness talks through various Government and public forums.

Administrative, Clinical, Teaching, Research & Academic activities related to faculty of Cardiology Deptt.;-

**On the Administrative side**

1. Dr Animesh Mishra (Professor & HoD)
   
   **A. SUB-DEAN (SUPER SPECIALTY), NEIGRIHMS, Shillong from February, 2015.**
   
   **B. CHAIRMANSHIP**
   
   a) Medical Education Unit of NEIGRIHMS, Shillong since 2013.
   
   b) Technical Evaluation Committee for the procurement of high-end equipments for different departments like Cardiology, CTVS of the institute.
   
   c) NEIGRIHMS Annual Day Celebration 2015
   
   **C. EXAMINERSHIP**
   
   
   
   **D. EDITORSHIP:**
   
   a. Sub - Editor of Indian Heart Journal since February, 2015
   
   b. Editor of Indian Society of Cardiology for a period of 3 years w.e.f January, 2012)
   
   **E. MEMBERSHIP OF IMPORTANT COMMITTEES:**
   
   a). Board of Studies of NEIGRIHMS, Shillong since the session 2012 - 13.
   
   b). Board of Studies of Cardiology in IMS Banaras Hindu University, Varanasi since 2013.
   
   c). Awakening Detox cum Restoration Center, Madan Thangsning, East Khasi Hills since April, 14
   
   d). Committee to study/revise/update the draft proposal on the subject “To make NEIGRIHMS an autonomous Institution through an Act of Parliament”
   
   e). Committee to study/revise/update the draft proposal on the subject “To make NEIGRIHMS an autonomous Institution through an Act of Parliament”.
   
   f). Committee for maintaining of Log Book for grant of conveyance Allowance for Faculty Members/Medical Officers of NEIGRIHMS, Shillong
   
   g). Technical Evaluation Committee for the procurement of equipments of Cardiology and CTVS Department, NEIGRIHMS, Shillong
   
   h). Committee for Reforms of utilization of Rastriya Swasthiya Bima Yojana Scheme at NEIGRIHMS (w.e.f August, 2012)
   
   i) Selection Board for Group B post in the institute (NEIGRIHMS) on different occasions for recruitment of SRDs.
   
   j) Hospital Council Meeting of NEIGRIHMS, Shillong since 2013.
k) Library Committee, NEIGRIHMS, Shillong
l) Inter-Departmental Academic Consultative Group of NEIGRIHMS, Shillong
m) Medical Board Committee for reimbursement
n) Technical Evaluation Committee of different disciplines.
o) Drugs/Consumables quality Assurance Committee of NEIGIRHMS (w.e.f June,2010)

B. Dr Manish Kapoor
1. I/c Cardiology Department, NEIGRIHMS as and when asked for.
2. Deputy Medical Superintendent, NEIGRIHMS, Shillong as and when asked for.
3. I/c Emergency & Casualty, NEIGRIHMS, Shillong as and when asked for.
4. Warden, Boy’s Hostel at NEIGRIHMS Campus since 2013.
5. Member of the Technical Evaluation Committee for purchase of Electrophysiology Machine.
6. Member of the Technical Evaluation Committee for purchase of IVUS.
7. Member of the Technical Evaluation Committee for purchase of ROTA.
8. Member of the Technical Evaluation Committee for purchase of 3D Echocardiography.
9. Member of Sub Committee of MEU for Orientation Programmes of MBBS / PG
10. Member of several important committees of the institute.

C. Dr Amit Malviya
1. I/c Head Department of Cardiology, NEIGRIHMS, Shillong as and when asked for.
2. Attended as Expert for the Selection of SRD Post of Cardiology, NEIGRIHMS
3. Co-opted Member of the Technical Evaluation Committee for purchase of Electrophysiology Machine.
4. Co-opted Member of the Technical Evaluation Committee for purchase of IVUS.
5. Co-opted Member of the Technical Evaluation Committee for purchase of ROTA.
7. Co-opted Member of the Medical Education Committee of NEIGRIHMS.

On the Academic side, the following are the participation and contributions in National/Regional Conferences –

A. Dr Animesh Mishra (Professor & HoD)
1. Chaired a session on “Lead Infections : Diagnosis & Treatment” at the XVI International Symposium on Progress in Clinical Pacing held at Rome, Italy on and from 2nd to 5th December, 2014.
2. Delivered a lecture on “Hypoglycemia and Cardiac Consequences” at the 19th Annual Conference, North Eastern Diabetes Society at Shillong on 11th October, 2014.
3. Actively involved as Course Director at the “Innovation in Intervention Cardiology Summit” (IIC Summit) on 6th September, 2014 at Hotel Oberoi, Gurgaon, Haryana.
4. Delivered a guest lecture on “Warfarin versus newer anticoagulants : which one to choose” at the 9th Annual Conference of Indian Society of Cardiology on 26th September, 2014 organized by Indian Society of Cardiology-In association with Global Health City, Chennai.
6. Participated as Guest Faculty at the CME on “Pharmacovigilance” on 28th June, 2014 organized by Department of Pharmacology, NEIGRIHMS, Shillong.
7. Chaired a session on “Live Case / Lecture” at the IJCTO - 2014 on 7th June, 2014 at Hyderabad, International Conventional Centre (HICC).

**B. Dr Manish Kapoor**
1. Chairing a session at the 66th Annual Conference of Cardiological Society of India 2014 at Hyderabad
2. Delivering a Guest Lecture at the Hypertension Summit at Guwahati on June, 2014
3. Delivering a Guest Lecture at the CTVS Conference at Guwahati on July, 2014
4. Delivering a talk on Professionalism at the Medical Education Unit at NEIGRIHMS – Orientation Programme for 1st year Post Graduate & Post Doctors (MD/MS & DM) students on 23rd July, 2014

**C. Dr Amit Malviya**
Health Heart and Lifestyle at Mokokakchung, Nagaland in November, 2014
1. Heart Disease and risk factors at BSF Annual CME, Umpling, Shillong 2014.
2. Orientation programme for first year : Cath Lab and Coronary Unit, Medical Unit – November, 2015

*Involvement in organizing CME/ Conferences/Seminars/Symposia/ Training Course/ Workshop during 1st of April, 2014 – 31st March, 2015 by the Faculty or Department of Cardiology, NEIGRIHMS*

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Name of the Activity</th>
<th>International/national/Regional/Departmental</th>
<th>Dates Conducted From To</th>
<th>Organizer/Co-organizer /member of organizing Committee</th>
</tr>
</thead>
</table>
| 1     | 4th NEIGRIHMS ANNUAL DAY
   a) Paper Presentation
   b) Research Scholar
   c) Award Ceremony                        | (Institutional)
   National                                   | 5th March, 2015                             | Dr Animesh Mishra
                                                  |                                             | Chairman                                         |
| 2     | Workshop on “Innovation in Intervention Cardiology Summit” (IIC Summit) at Hotel Oberoi, Gurgaon, Haryana | International                              | 6th September, 2014 (6.00 pm)                     | Dr Animesh Mishra
                                                  |                                             | Course Director                                  |
| 3     | Seminar on Medical Ethics at NEIGRIHMS graced by Hon’ble Justice Giridhar Malviya (Retd) through his scintillating and thought provoking oration as Chief Guest | National                                   | 21st March, 2015                                 | Department of Cardiology |
| 4     | Holistic Seminar on “Heart is, what is our mind – Our health is in our mind”. Speaker -Dr Shrimant Kumar Sahu Global Hospital and Research Centre, Mount Abu (Raj) | Workshop                                   | 20th June, 2014 at NEIGRIHMS                    | Department of Cardiology  |

**DEPARTMENT OF COMMUNITY MEDICINE**

**FACULTY**

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Current status</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>1</td>
<td>1</td>
<td>Prof. Dr. Sajida Ahmed</td>
</tr>
</tbody>
</table>
Highlights:
The main activities of the department are teaching of MBBS students including interns. Also Health talks on various topics are delivered by the staffs of the department which are relevant to the epidemiology of disease morbidity in the area on a periodic basis. Conduct school health program in areas around NEIGRIHMS. A joint visit to Bhoirymbong CHC by NEIGRIHMS and Health Department Government of Meghalaya was held on the 3rd June 2014 for setting up of a new Rural Health Training Center for rural training of MBBS doctors.

Education:
MBBS course from 1st to 7th Semester and 2 months compulsory internship at Rural Health Training Center at Sohiong CHC. Health Education on various topics delivered as part of field practice areas.

Lectures delivered at CMEs, National and International Conferences

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>“Introduction to Research Methodology” and Statistical Analysis</td>
<td>Orientation Program for Post Graduate and Post Doctor’s</td>
<td>23 July 2014</td>
<td>Medical Education Unit, NEIGRIHMS</td>
<td>Shillong</td>
<td>Dr. Star Pala</td>
</tr>
<tr>
<td>1</td>
<td>WASH and Health: its effect and impact</td>
<td>SWACHCHHH Assam Mission: WASH communication Plan Assam (with support of UNICEF)</td>
<td>25-8-2014</td>
<td>WDC, Kharguli</td>
<td>Guwahati</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>2</td>
<td>Health Economics</td>
<td>1st North East Zonal Conference of IAPSM</td>
<td>25-27 September 2014</td>
<td>Assam Medical College (AMC), Dibrugarh</td>
<td>Dibrugarh</td>
<td>Dr. Star Pala</td>
</tr>
<tr>
<td>3</td>
<td>Overview of field operations and associated preparedness for Bio behavioural data collection</td>
<td>Field training on IBBS</td>
<td>14/10/2014</td>
<td>Hotel Sunview, Guwahati</td>
<td>Guwahati</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>4</td>
<td>Informed consent</td>
<td>Refresher training of Health teams on IBBS</td>
<td>16/10/2014</td>
<td>Hotel Sunview, Guwahati</td>
<td>Guwahati</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>5</td>
<td>Ethical considerations, community</td>
<td>Pre-survey sensitization meeting with TI on IBBS</td>
<td>28/10/2014</td>
<td>Pasteur inst., Shillong</td>
<td>Shillong</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>Sl. No.</td>
<td>Authors</td>
<td>Title of presentation</td>
<td>Name of the Conference</td>
<td>Date</td>
<td>Venue</td>
<td>City</td>
</tr>
<tr>
<td>--------</td>
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<td>------------------------</td>
<td>------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>1</td>
<td>Dr. Himashree Bhattacharyya, Dr. Bhanu Pratap Singh Gaur.</td>
<td>Knowledge, attitude and practices regarding infant feeding practices among women residing in East Khasi hills district of Meghalaya</td>
<td>National Academy of Medical Sciences Conference (NAMSCON)</td>
<td>October 2014.</td>
<td>AIIMS, Rishikesh.</td>
<td>Rishikesh.</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Star Pala Dr. Himashree Bhattacharyya</td>
<td>Prevalence of Anemia in Meghalaya</td>
<td>Annual Research Presentation</td>
<td>4th March 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
</tbody>
</table>

### Research

#### Funded project: Ongoing

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Title of the Project</th>
<th>Name of Principal Investigator</th>
<th>Funded by (Name of funding agency)</th>
<th>Duration (year)</th>
<th>Start year-End year</th>
<th>Total funds sanctioned (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Comparison of family member versus non family member DOT providers among new TB cases in Shillong</td>
<td>Dr. Star Pala</td>
<td>State TB Cell, Meghalaya with funding from CTD, MoHFW.</td>
<td>1 year</td>
<td>2015-2016</td>
<td>Rs.1,80,000/-</td>
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</table>

#### Completed

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Title of the Project</th>
<th>Name of Principal Investigator</th>
<th>Funded by (Name of funding agency)</th>
<th>Duration (year)</th>
<th>Start year-End year</th>
<th>Total funds sanctioned (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Health Facility Survey in Meghalaya</td>
<td>Dr. Star Pala</td>
<td>Regional Resource Center (RRC), MoHFW, GOI, Guwahati</td>
<td>2013-14</td>
<td>2013-2014</td>
<td>Rs. 5,00,000/-</td>
</tr>
</tbody>
</table>
Departmental projects (including thesis/dissertations)

Ongoing

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Title of project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Opiod overdose: knowledge and practices among health care providers in Meghalaya.</td>
</tr>
</tbody>
</table>

Collaborative Projects

Ongoing

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Title of Project</th>
<th>Collaborating department/institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Implementation of GFATM HIV-IDU Grant for RTTC NEIGRIHMS from January 2012 till date (for training of Doctors and nurses working in IDU-TI). Ongoing till September 2015</td>
<td>Emanuel Health Association (EHA) as PR, GFATM HIV-IDU Grant Round-9</td>
</tr>
<tr>
<td>2</td>
<td>Screening of Hearing Disorders in India: A Multi-center study by ICMR, India.</td>
<td>Dr. Bryan Shunyu, Associate Professor, Dept. of ENT, NEIGRIHMS.</td>
</tr>
</tbody>
</table>

Completed

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Title of Project</th>
<th>Collaborating department/institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Coordinate for the Household Malaria Survey in Meghalaya.</td>
<td>NIHFW, New Delhi during July-September 2014</td>
</tr>
</tbody>
</table>

Patient Care:

Rural Health & Training Center, at Sohiong CHC, daily OPD and emergency facility provided by interns and supervised by Lady Medical Officer & Senior Resident doctors. A total of 208 patients were consulted in urban areas and 3552 patients under Rural Health & Training Center at Sohiong CHC. The above services are provided by Lady Medical Officer/Senior Resident & Interns posted at respective areas.

Educational activities

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Activity</th>
<th>Date</th>
<th>Venue</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Poster competition cum exhibition on the occasion of <em>World Health Day</em>.*</td>
<td>7th April 2015</td>
<td>NEIGRIHMS</td>
<td>Dr. Star Pa &amp; MBBS students</td>
</tr>
</tbody>
</table>

Other activities

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Activity</th>
<th>Date</th>
<th>Venue</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>State level workshop on Menstrual Hygiene</td>
<td>18/2/2014 to 20/2/2014</td>
<td>Guwahati</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>2</td>
<td>Regional ToT on IBBS</td>
<td>31/3/2014 to 6/4/2014</td>
<td>NICED, Kolkata</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>3</td>
<td>Training of National assessors of cold chain, MoHFW, GoI</td>
<td>28/4/2014 to 29/4/2014</td>
<td>New Delhi</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>4</td>
<td>Field training on IBBS</td>
<td>28/4/2014 to</td>
<td>Guwahati</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>No.</td>
<td>Event Description</td>
<td>Date</td>
<td>Location</td>
<td>Organizer</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------------------------------------------------</td>
<td>-------------------</td>
<td>---------------------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>5</td>
<td>Field training on IBBS</td>
<td>29/4/2014</td>
<td>Guwahati</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>6</td>
<td>NCD workshop organized by WHO &amp; MoHFW</td>
<td>9/5/2014 to 11/5/2014</td>
<td>New Delhi</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>7</td>
<td>National Cold Chain Assessment 2014</td>
<td>5/2/2014 to 6/6/2014</td>
<td>Guwahati &amp; Nagaon, Assam</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>8</td>
<td>Field visit on IBBS</td>
<td>22/5/2014 to 23/5/2014</td>
<td>Guwahati</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>9</td>
<td>Convention on Youth for child Rights</td>
<td>12/9/2014 to 13/9/2014</td>
<td>Guwahati</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>10</td>
<td>Pre survey sensitization meeting with TI on IBBS</td>
<td>28/10/2014</td>
<td>Pasteur inst., Shillong</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>11</td>
<td>Attended 1st North East Zonal Conference of IAPSM</td>
<td>25-27 September 2014</td>
<td>Assam Medical College (AMC), Dibrugarh</td>
<td>Dr. Sajida Ahmed &amp; Dr. Star Pala</td>
</tr>
<tr>
<td>12</td>
<td>Field Training on IBBS</td>
<td>14/10/2014 to 19/10/2014</td>
<td>Guwahati</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>13</td>
<td>Global Iodine Deficiency Disorders Prevention day 2014</td>
<td>14/11/2014 to 15/11/2014</td>
<td>Guwahati</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>14</td>
<td>Orientation workshop on Reproductive and Adolescent Health</td>
<td>27/11/2014 to 28/11/2014</td>
<td>Dhubri and Kokrajhar, Assam</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>15</td>
<td>Workshop on development of Key messages on Nutrition for elementary school Education</td>
<td>25/11/2014</td>
<td>Guwahati</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>16</td>
<td>Workshop on Reproductive and Adolescent Health</td>
<td>8/12/2014 to 9/12/2014</td>
<td>Guwahati</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>17</td>
<td>National Pre-HIV sentinel surveillance for 2014 &amp; 2015</td>
<td>18/12/2014 to 20/12/2014</td>
<td>Guwahati</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>18</td>
<td>National Pre-HIV sentinel surveillance for 2014 &amp; 2015</td>
<td>18/12/2014 to 20/12/2014</td>
<td>Guwahati</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>19</td>
<td>HIV Sentinel surveillance for 2014 &amp; 2015</td>
<td>10/2/2015 to 21/2/2015</td>
<td>Uttarakhand</td>
<td>Dr. Sajida Ahmed (as Central Team Member)</td>
</tr>
<tr>
<td>20</td>
<td>HIV Sentinel surveillance for 2014 &amp; 2015</td>
<td>9-14 March 2015</td>
<td>Mizoram</td>
<td>Dr. Sajida Ahmed (as Central Team Member)</td>
</tr>
<tr>
<td>21</td>
<td>Meeting on development of Key messages on Nutrition for elementary school Education (SCERT)</td>
<td>10-11 March 2015</td>
<td>Guwahati</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>22</td>
<td>Basic Course in Medical Education Technologies</td>
<td>26-28 March 2015</td>
<td>NEIGRIHMS Shillong</td>
<td>Dr. Sajida Ahmed</td>
</tr>
<tr>
<td>23</td>
<td>External Supervisor in National IDD and Salt Intake Survey conducted by NIelsen and ICCIDD, Center for Community Medicine, AllMS New Delhi</td>
<td>21-27 April 2015</td>
<td>Garo Hills and East Kha Hills Meghalaya</td>
<td>Dr. Sajida Ahmed</td>
</tr>
</tbody>
</table>

**Health Camps**
Participated in the Health Awareness Camp cum Outreach session at Pynter East Khasi Hills organized by the Mobile Medical Unit (MMU), East Khasi Hills (Govt. of Meghalaya) on 24th April 2014. A total of 265 patients attended the camp.

Participated in the Health Awareness Camp cum Outreach session Mobile Health Outreach session at Nonghulew village under Jatah PHC on the 14 May 2014 organised by the Mobile Medical Unit, East Khasi Hills, Govt of Meghalaya. A total of 245 patients attended the camp.

Participated in the Health Awareness Camp cum Outreach session at Kriet village under Sohiong CHC on the 26 May 2014 organized by the Mobile Medical Unit, East Khasi Hills, Govt of Meghalaya. A total of about 200 patients attended.

Medical Camp was conducted in collaboration with Women’s Fellowship of the Lumparing Presbyterian Church on the 5th July 2014. Facilities like portable ultrasound, ECG etc were also provided. A total of 250 patient attended the camp.

Participate in the Health Awareness Camp cum Mobile Medical outreach Session organized by Mobile Medical Unit, District Medical &Health Office, East Khasi Hills, Shillong at Nongri under Mawkliaw PHC, East Khasi Hills on the 17th March 2015.

Eight school health programs conducted during the financial year.
DEPARTMENT OF CARDIO THORACIC & VASCULAR SURGERY

FACULTY

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Current status</th>
<th>Name</th>
</tr>
</thead>
</table>
PRESENT FACULTIES:

Professor A.G. Ahangar : Director NEIGRIHMS.
Dr. Manuj Saikia, Mch (AIIMS): Professor & HOD.
Dr. Jyoti Prasad Kalita, Mch (CMC, Vellore): Assistant Professor.

INTRODUCTION:

The department of CTVS has been functioning since February 2007. The department runs OPD services in all week days i.e from Monday to Saturday. The services provided are Out patient and In patient including a 30 bedded ward and 10 bedded ICU.

For the first time in the North Eastern Region of this country, the department of CTVS, NEIGRIHMS, performed the open heart surgery in July 2008. This is the only Cardiac Surgery center in the state of Meghalaya where open heart surgeries are being conducted. It is the only central government center in entire North Eastern region to perform open Heart Surgeries on regular basis. The Department caters to the needs of the patients from entire eight states of North East and from neighboring state of West Bengal also, besides some from adjoining countries like Bangladesh, Myanmar, Nepal, Bhutan etc.

The department performs all forms of major open heart surgeries such as Adult cardiac surgery, Beating Heart CABG, Valvular Heart Surgeries, congenital Heart Surgeries and Vascular surgery like Aortic aneurysm, Peripheral vascular surgeries best in emergency / trauma.

Apart from these all thoracic and Lung surgeries are also performed in the Department.

Prof. A.G. Ahangar who is the Director of NEIGRIHMS is a well known cardiac surgeon. Presently, He has been conducting and contributing in the open heart Surgery perform at this centre especially in the field of Beating heart open Heart surgery.
STATISTICS FOR PATIENT CARE ACTIVITIES:

NUMBER OF OUT PATIENTS ATTENDING IN OPD

<table>
<thead>
<tr>
<th></th>
<th>New</th>
<th>Follow up</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>561</td>
<td>727</td>
<td>1288</td>
</tr>
</tbody>
</table>

NUMBER OF IN-DOOR PATIENTS (WARD)

<table>
<thead>
<tr>
<th></th>
<th>Male</th>
<th>Female</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>156</td>
<td>98</td>
<td>256</td>
</tr>
</tbody>
</table>

TOTAL NOS. OF ADMISSION WITH DIAGNOSIS

<table>
<thead>
<tr>
<th>SL. NO</th>
<th>ADMITTED WITH DIAGNOSIS</th>
<th>TOTAL NOS. OF ADMISSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>VALVULAR DISEASE</td>
<td>47</td>
</tr>
<tr>
<td>2.</td>
<td>ATRIAL SEPTAL DEFECT (ASD)</td>
<td>14</td>
</tr>
<tr>
<td>3.</td>
<td>VENTRICULAR SEPTAL DEFECT (VSD)</td>
<td>2</td>
</tr>
<tr>
<td>4.</td>
<td>COMPLEX CONGENITAL DISEASE</td>
<td>9</td>
</tr>
<tr>
<td>5.</td>
<td>CAD – TVD</td>
<td>8</td>
</tr>
<tr>
<td>6.</td>
<td>PATENT DUCTUS ARTERIOSUS (PDA)</td>
<td>3</td>
</tr>
<tr>
<td>7.</td>
<td>PERICARDIAL DISEASE</td>
<td>3</td>
</tr>
<tr>
<td>8.</td>
<td>THORACIC</td>
<td>20</td>
</tr>
<tr>
<td>9.</td>
<td>VASCULAR</td>
<td>10</td>
</tr>
<tr>
<td>10.</td>
<td>OTHERS</td>
<td>5</td>
</tr>
<tr>
<td>11.</td>
<td>TOTAL</td>
<td>121</td>
</tr>
<tr>
<td>SL.No.</td>
<td>Operation performed</td>
<td>Total No.</td>
</tr>
<tr>
<td>-------</td>
<td>--------------------------------------------------------------</td>
<td>-----------</td>
</tr>
<tr>
<td>1.</td>
<td>CABG</td>
<td>7</td>
</tr>
<tr>
<td>2.</td>
<td>CABG + AVR</td>
<td>1</td>
</tr>
<tr>
<td>3.</td>
<td>Benthal procedure</td>
<td>2</td>
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<tr>
<td>4.</td>
<td>DVR</td>
<td>4</td>
</tr>
<tr>
<td>5.</td>
<td>AVR</td>
<td>13</td>
</tr>
<tr>
<td>6.</td>
<td>AVR with Mitral Valve Repair</td>
<td>1</td>
</tr>
<tr>
<td>7.</td>
<td>AVR + Tricuspid Valve Repair</td>
<td>1</td>
</tr>
<tr>
<td>8.</td>
<td>DVR with Tricuspid Repair</td>
<td>4</td>
</tr>
<tr>
<td>9.</td>
<td>MVR</td>
<td>19</td>
</tr>
<tr>
<td>10.</td>
<td>MVR + with TV Annuloplasty (CE Ring).</td>
<td>4</td>
</tr>
<tr>
<td>11.</td>
<td>MVR + Classical Devagus tricuspid Annuloplasty</td>
<td>1</td>
</tr>
<tr>
<td>12.</td>
<td>MV Repair + Pericardectomy</td>
<td>2</td>
</tr>
<tr>
<td>13.</td>
<td>MV Repair with LA clot evacuation with LAA Ligation</td>
<td>1</td>
</tr>
<tr>
<td>14.</td>
<td>VSD</td>
<td>4</td>
</tr>
<tr>
<td>15.</td>
<td>Total correction of AVSD</td>
<td>1</td>
</tr>
<tr>
<td>16.</td>
<td>VSD with PDA ligation</td>
<td>3</td>
</tr>
<tr>
<td>17.</td>
<td>Total correction of Teratology of Fallot</td>
<td>5</td>
</tr>
<tr>
<td>18.</td>
<td>Pulmonary Thromboendarterectomy</td>
<td>1</td>
</tr>
<tr>
<td>19.</td>
<td>DORV correction</td>
<td>2</td>
</tr>
<tr>
<td>20.</td>
<td>Pulmonary Valvotomy</td>
<td>1</td>
</tr>
<tr>
<td>21.</td>
<td>ASD closure with Pericardial patch</td>
<td>15</td>
</tr>
<tr>
<td>22.</td>
<td>ASD closure + PDA</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>--------------------------------------------------</td>
<td>---</td>
</tr>
<tr>
<td>23.</td>
<td>ASD closure + Pulmonary Valvotomy</td>
<td>1</td>
</tr>
<tr>
<td>24.</td>
<td>ASD + VSD</td>
<td>2</td>
</tr>
<tr>
<td>25.</td>
<td>Translocation of RPA to MPA</td>
<td>1</td>
</tr>
<tr>
<td>26.</td>
<td>ASD Closure with Tricuspid Ring Annuloplasty</td>
<td>1</td>
</tr>
<tr>
<td>27.</td>
<td>LA Myxoma</td>
<td>2</td>
</tr>
<tr>
<td>28.</td>
<td>AAA (Abdominal Aortic Aneurysm) repair</td>
<td>2</td>
</tr>
<tr>
<td>29.</td>
<td>Embolectomy</td>
<td>1</td>
</tr>
<tr>
<td>30.</td>
<td>Thymectomy</td>
<td>4</td>
</tr>
<tr>
<td>31.</td>
<td>BT Shunt</td>
<td>3</td>
</tr>
<tr>
<td>32.</td>
<td>PDA Ligation</td>
<td>1</td>
</tr>
<tr>
<td>33.</td>
<td>Total Pericardiectomy</td>
<td>6</td>
</tr>
<tr>
<td>34.</td>
<td>Pneumonectomy</td>
<td>1</td>
</tr>
<tr>
<td>35.</td>
<td>Excision of mediastinal Tumour.</td>
<td>1</td>
</tr>
<tr>
<td>36.</td>
<td>Exploratory Thoracotomy</td>
<td>1</td>
</tr>
<tr>
<td>37.</td>
<td>Lobectomy</td>
<td>8</td>
</tr>
<tr>
<td>38.</td>
<td>Hybrid Procedure (AAA) Stenting</td>
<td>1</td>
</tr>
<tr>
<td>39.</td>
<td>Correction of abnormal origin of right pulmonary artery from ascending aorta on off pump</td>
<td>1</td>
</tr>
</tbody>
</table>

**TOTAL** | **131**

---

i. Dr. Manuj Kr. Saikia, Professor & HOD.

**CONFERENCE /WORKSHOP/TRAINING ATTENDED:**

2. “Advance Training Workshop of ECMO”, Alfred Hospital, Melbourne Australia. 8th – 11th October 2014
4. “MCI Basic Course workshop in Medical Education Technology at Regional Training Centre, KGMU, Lucknow. 4th – 6th December 2014.

ii. Dr Jyoti Prasad Kalita, Assistant Professor

Training and presentations

1. Pediatric and Congenital Heart Surgery – In Department of Pediatric and Congenital Heart Surgery unit in Escorts Heart Institute, New Delhi, from 01-05-14 till 14-05-14
3. Assam Cardiovascular and Thoracic Surgeons association, Chapter meeting, Guwahati, September, 2014 Presentation – Management of case with VSD with aortic and Pulmonary Valve Vegetation

REGULAR ACADEMIC ACTIVITIES:

- Teaching of post graduate general surgery trainee.
- MBBS Theory Classes
- Nursing Classes
- Departmental Clinics
- Combine CTVS and Cardiology case Presentation & Angio Meet.

INSTITUTIONAL RESPONSIBILITY:

- Member – Technical Committee
- Member – Scientific Research Proposal
- Associate Editor – NEIGRIHMS Journals of Health & Medical Sciences.
- Member - Institute Ethical committee (IEC) (Internal)
- Member - Hospital Council, NEIGRIHMS.
- Member - Board of studies for professional course, NEIGRIHMS.
- Member – UTP Committee.

DEPARTMENT OF DENTISTRY

FACULTY

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Current status</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>1</td>
<td>-</td>
<td>Vacant</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>1</td>
<td>1</td>
<td>Dr. Lomtu Ronrang</td>
</tr>
<tr>
<td>Dental Officer</td>
<td></td>
<td></td>
<td>(Two)</td>
</tr>
</tbody>
</table>

NUMBERS OF OUT-PATIENT AND IN-PATIENT ATTENDED IN DENTAL OPD
<table>
<thead>
<tr>
<th>FEMALE-NEW</th>
<th>MALE-NEW</th>
<th>FEMALE-OLD</th>
<th>MALE-OLD</th>
<th>REFERED</th>
<th>(IN-PATIENT) CASE ATTENDED IN DIFFERENT WARDS</th>
<th>TOTAL NO. OF PATIENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1830</td>
<td>1866</td>
<td>3041</td>
<td>2538</td>
<td>587</td>
<td>172</td>
<td>10078</td>
</tr>
</tbody>
</table>

**DEPARTMENT DENTISTRY: NUMBERS OF OUT-PATIENT AND IN-PATIENT TREATED IN DENTAL OPD, FROM (APRIL 2014 TO MARCH 2015)**

<table>
<thead>
<tr>
<th>MONTHS</th>
<th>TOTAL</th>
<th>Extraction</th>
<th>Pedo- Restoration s GIC</th>
<th>IOPA</th>
<th>Pulpectomy</th>
<th>RCT</th>
<th>restorations composite/gic/miracle mix</th>
<th>Rpd/ Denture Repair</th>
<th>Scaling according to number of sittings</th>
<th>Opercul-ectomy</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL</td>
<td>594</td>
<td>154</td>
<td>305</td>
<td>103</td>
<td>407</td>
<td>1262</td>
<td>08</td>
<td>1048</td>
<td>03</td>
<td></td>
</tr>
</tbody>
</table>

**NEW EXTENSION OF DENTAL OPD**
DEPARTMENT OF DERMATOLOGY & STD

FACULTY

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Current status</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>1</td>
<td>-</td>
<td>Vacant</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>1</td>
<td>-</td>
<td>Vacant</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>2</td>
<td>2</td>
<td>Dr. Shikha</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dr. Binod Kumar Thakur</td>
</tr>
</tbody>
</table>

Out Patient Department:

**Highlights:** Routine OPD is run from Monday to Friday daily from 9:00 am to 4:00 pm and on Saturday from 9:00 am to 2:00 pm excepting holidays. An average of 90 to 100 patients is being seen daily.

Total number of patients seen in the OPD from April 2014 to March 2015

**STATISTICS FOR THE YEAR APRIL 2014 TO MARCH 2015**

<table>
<thead>
<tr>
<th>New Cases</th>
<th>Old Cases</th>
<th>Referral Cases</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>5805</td>
<td>10114</td>
<td>3193</td>
<td>19112</td>
</tr>
</tbody>
</table>

**SPECIAL OPD CLINICS:** The Department is running 3 special OPD clinics

1. **STI (Sexually Transmitted Infections) Clinic:** Days: Everyday
2. **Psoriasis & Vitiligo clinic:** Days: Tuesday/Thursday/Saturday
3. **Hair Clinic:** Days: Every Friday

**SPECIALIZED UNITS:** LASER unit, Dermatosurgery and Phototherapy units catering to the needs of patients with various skin disorders
• **LASER unit:**

New service started on March, 2015
LASER unit is equipped with Q switched Nd YAG LASER, Long pulsed Nd YAG LASER and Pulse Dye LASERS. Our centre is the only centre with pulse dye LASER in the whole Eastern India. (Laser have been installed in the Month of March 2015)

Statistics:

<table>
<thead>
<tr>
<th>Month</th>
<th>LASER Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 2015</td>
<td>15</td>
</tr>
<tr>
<td>(Laser have been installed in the month of march 2015)</td>
<td></td>
</tr>
</tbody>
</table>

- **PHOTOTHERAPY UNIT:**

The department has state of the art phototherapy unit with the latest equipments: NBUVB whole body chamber, NBUVB Multiutility Phototherapy unit and NBUVB Comb.

**Numbers of Patients receiving Phototherapy:** 2904

- **DERMATOSURGERY UNIT:**

The department has state of the art Dermatosurgery unit with the latest equipments for various types of dermatosurgeries especially vitiligo surgeries like punch grafting, suction blister grafting, split skin grafting, melanocyte suspension transfer etc are available. Most Micrographic surgery for skin cancer has also been done with flap reconstruction.

**STATISTICS OF VARIOUS PROCEDURES DONE IN DERMATOSURGERY UNIT:**

**APRIL 2014 TO MARCH 2015**

<table>
<thead>
<tr>
<th>Procedures done</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Biopsy- Excisional</td>
<td>65</td>
</tr>
<tr>
<td>Skin Biopsy- Incisional</td>
<td>4</td>
</tr>
<tr>
<td>Skin Biopsy- Punch</td>
<td>177</td>
</tr>
<tr>
<td>Electrosurgery</td>
<td>250</td>
</tr>
<tr>
<td>Lobuloplasty</td>
<td>-</td>
</tr>
<tr>
<td>Procedure</td>
<td>Count</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Sclerotherapy</td>
<td>7</td>
</tr>
<tr>
<td>Punch Grafting for Vitiligo</td>
<td>9</td>
</tr>
<tr>
<td>Split Skin grafting for Vitiligo</td>
<td>1</td>
</tr>
<tr>
<td>Nail Surgery</td>
<td>14</td>
</tr>
<tr>
<td>Intra Lesional Therapy</td>
<td>409</td>
</tr>
<tr>
<td>Subcision</td>
<td>30</td>
</tr>
<tr>
<td>Tattoo Removals</td>
<td>58</td>
</tr>
<tr>
<td>Micro Needling</td>
<td>36</td>
</tr>
<tr>
<td>PRP</td>
<td>97</td>
</tr>
<tr>
<td>Scar Revision</td>
<td>1</td>
</tr>
<tr>
<td>Dermabrasion</td>
<td>3</td>
</tr>
<tr>
<td>Hair transplantation- FUT</td>
<td>2</td>
</tr>
<tr>
<td>Excision</td>
<td>24</td>
</tr>
<tr>
<td>Paring</td>
<td>80</td>
</tr>
<tr>
<td>Needle Extraction</td>
<td>27</td>
</tr>
<tr>
<td>Chemical Cauterisation</td>
<td>52</td>
</tr>
<tr>
<td>Chemical Peeling- TCA</td>
<td>21</td>
</tr>
<tr>
<td>Chemical Peeling- Salicylic Acid</td>
<td>2</td>
</tr>
<tr>
<td>Chemical Peeling- Glycolic Acid</td>
<td>55</td>
</tr>
<tr>
<td>TCA- CROSS</td>
<td>5</td>
</tr>
<tr>
<td>Podowart Application</td>
<td>48</td>
</tr>
<tr>
<td>I&amp;D (Incision &amp; Drainage)</td>
<td>10</td>
</tr>
<tr>
<td>Botulinum Injection</td>
<td>1</td>
</tr>
<tr>
<td>Marsupialization</td>
<td></td>
</tr>
<tr>
<td>Laser</td>
<td>15</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1503</strong></td>
</tr>
</tbody>
</table>
**Education:** Conducted classes of MBBS and BSc nursing as per allotted schedule. The classes includes both theory and clinical postings.

Faculty of the department are also resource person of various programmes like MBBS & PG orientation programme and Medical Education Workshop.

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**CMEs/Workshops/ Symposia/National and International Conference:** (2014-2015)

Dr Binod Kumar Thakur:

**CME:**
- CME Clinical relevance of autonomic nerve testing, June 2014, Shillong
- CME Pharmacovigilance, June 2014, Shillong
- CME Clinical Laboratory quality management system, May 2014, Shillong

**Workshops:**
- Basics of good clinical practice, 2014
- Basic course workshop in Medical Education Technologies, March 2015
- BIOSTATISTICS Oct 2014

**CONFERENCES:**
- DERMACON 2015
- CUTICON NE states 2014
- ONYCHOCON 2014
- HAIRINDIA 2014

Dr Shikha:

**CME:**
- CME Clinical relevance of autonomic nerve testing, June 2014, Shillong
- CME Clinical Laboratory quality management system, May 2014, Shillong
- CME Pharmacovigilance, June 2014, Shillong

**WORKSHOPS:**
- Basic course workshop in Medical Education Technologies, March 2015

**CONFERENCES:**
- DERMACON 2015, Feb 2015
- CUTICON NE states 2014

**Lectures delivered at CMEs, National and International Conferences**

- Name of Faculty member: Dr Binod Kumar Thakur

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Title of talk</th>
<th>Name of the CME/conference</th>
<th>Date</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Invited panelist for panel discussion on &quot;Scarring Alopecia- How to deal&quot;</td>
<td>DERMACON 2015</td>
<td>Feb 2015</td>
<td>Mangalore</td>
</tr>
<tr>
<td>2</td>
<td>Invited lecture &quot;A clinicopathological study of subcutaneous mycoses from north east India&quot;</td>
<td>International conference on Disease Biology and Therapeutics 2014</td>
<td>Dec 2014</td>
<td>Guwahati</td>
</tr>
<tr>
<td>3</td>
<td>&quot;Clinical, trichoscopic and histopathological features of primary cicatricial alopecias: A retrospective observational study at a tertiary care centre of north east India&quot;</td>
<td>CUTICON NE States 2014</td>
<td>Nov 2014</td>
<td>Kaziranga, Assam</td>
</tr>
<tr>
<td>4</td>
<td>Basic course workshop in Medical Education Technologies</td>
<td>Basic course workshop in Medical Education Technologies, March 2015</td>
<td>March 2015</td>
<td>Shillong</td>
</tr>
<tr>
<td>5</td>
<td>Academic research grant/ Scholarship and publication</td>
<td>Medical Education Technologies, For MD students</td>
<td>June, 2014</td>
<td>Shillong</td>
</tr>
<tr>
<td>6</td>
<td>Surviving MBBS guidelines</td>
<td>Medical Education Technologies, For MBBS students</td>
<td>Nov, 2014</td>
<td>Shillong</td>
</tr>
</tbody>
</table>

**List of oral papers/posters presented**

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Authors</th>
<th>Title of presentation</th>
<th>Name of the Conference</th>
<th>Date</th>
<th>City</th>
</tr>
</thead>
<tbody>
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<td></td>
</tr>
<tr>
<td>Sl.no</td>
<td>Author</td>
<td>Title of presentation</td>
<td>Details</td>
<td>Location</td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>--------</td>
<td>-----------------------</td>
<td>---------</td>
<td>----------</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Dr Binod Kumar Thakur</td>
<td>Clinical, trichoscopic and histopathological features of primary cicatricial alopecias: A retrospective observational study at a tertiary care centre of north east India</td>
<td>DERMACON 2015 held at Mangalore.</td>
<td>Mangalore</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Dr Binod Kumar Thakur</td>
<td>&quot;Squamous cell carcinoma developing in a longstanding lesion of plantar lichen planus-A rare case report&quot;</td>
<td>XI International Congress of Dermatology and DERMACON 2014</td>
<td>New Delhi</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Dr Binod Kumar Thakur</td>
<td>&quot;Hair Transplantation in secondary cicatricial alopecia&quot;</td>
<td>International Congress of Trichology, HAIRINDIA 2014</td>
<td>Chennai</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Dr Binod Kumar Thakur</td>
<td>&quot;Clinical, trichoscopic and histopathological features of primary cicatricial alopecias: A retrospective observational study at a tertiary care centre of north east India&quot;</td>
<td>3rd Annual Day, NEIGRIHMS</td>
<td>Shillong</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Dr Binod Kumar Thakur</td>
<td>Subungual glomus tumour</td>
<td>Onychocon, 2014</td>
<td>Mumbai</td>
<td></td>
</tr>
</tbody>
</table>

**Research**

**Departmental projects: Ongoing**

<table>
<thead>
<tr>
<th>Sl.no</th>
<th>Title of projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A randomized, double-blind, placebo controlled, half-head study to evaluate the effects of platelet-rich plasma on androgenetic alopecia.</td>
</tr>
<tr>
<td>2</td>
<td>'Amateur Tattoo' removal by radiofrequency ablation: A retrospective observational study.</td>
</tr>
<tr>
<td>3</td>
<td>A randomized, single blinded, comparative study of efficacy of NBUVB alone and NBUVB in combination with low</td>
</tr>
</tbody>
</table>
dose oral mini pulse in patients with progressive non segmental vitiligo.

4 Role of Dermoscopy in classification of melasma

**Completed**

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Clinical, Trichoscopic and histopathological features of primary cicatricial alopecias: A retrospective observational study at a tertiary care centre of north east India. PUBLISHED</td>
</tr>
</tbody>
</table>

**Patient Care:**
OPD services are open every day except sunday. A separate dermatology ward where patients of serious dermatological disorders like Pemphigus vulgaris, Toxic Epidermal Necrolysis, severe drug reactions etc are admitted.

**Awards, Honour and significant events:**

**Dr Binod Kumar Thakur:**
- Received 1st prize in paper presentation at Onychocon 2014, Mumbai
- Received 2nd prize in poster presentation in ACSICON 2015, Kolkata
- Received 1st prize Best paper in oral presentation of 3rd Annual Day of NEIGRIHMS,2015
- Received Academic excellence 3rd prize, 3rd Annual Day of NEIGRIHMS, 2015
- Received Imrich Sarkani Non Euoropean Memorial Scholarship, Crakow, Poland,2013

**Dr Shikha:**
- Received Imrich Sarkani Non Euoropean Memorial Scholarship, Crakow, Poland,2013
DEPARTMENT OF EMERGENCY MEDICINE

1. MANPOWER:

Faculty: 1.

Dr. Bhaskar Borgohain, Associate Professor, Orthopaedics department, DMS & Faculty Incharge of Emergency department.

Casualty Medical Officers: 4.
1. Dr. Arnest Marbaniang,
2. Dr. Anna Juliet Momin,
3. Dr. Kevin Zodin Donoghue.
4. Dr. Kavitha Jain.

Junior Resident Doctors: 4.
Nursing Staff: Sister in charge: 1
Staff Nurses: 12.

Out source staff:
1. Emergency Medical Technician/Assistant: 1.
2. Computer Assistant: 1

2. AVAILABLE SPACE:

Present Emergency Area

- Red Area (Immediate priority)
- Green area (Urgent priority)
- Yellow area (Urgent but not immediate priority)
- Designated areas have been created for disaster management.
- Injection room in the previous space/cell alloted to UTPs.
- Trolley bay at the entrance
- Attendant waiting area at the entrance.
3. No. OF BEDS:
   Number of beds: 24 Beds,
   Trolleys: 5 nos
   Mattresses (for multiple/mass casualties): 25

4. OVERVIEW OF THE EMERGENCY DEPARTMENT VISITS AND STATISTICS:
   Total no. of patients attending the ED: 14787
   No of patients admitted from Emergency directly: 7003
   Percentage of admission: 47%
   Total no. Of Medicolegal case registered: 1060

NUMBER OF CASES (Average Daily Attendance of Patients): 40 patients per day on an average

5. EQUIPMENT STATUS:

<table>
<thead>
<tr>
<th>SR. NO.</th>
<th>EQUIPMENT</th>
<th>PRESENT STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ventilator</td>
<td>7</td>
</tr>
<tr>
<td>2</td>
<td>Defibrillator</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>Cardiac Monitors</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>ECG Machine</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Pulse Oximeter</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>Nebulizer Machine</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>Syringe Pumps</td>
<td>10</td>
</tr>
<tr>
<td>8</td>
<td>Baby Radiant Warmer</td>
<td>0</td>
</tr>
<tr>
<td>9</td>
<td>Electrolyte analyser machine</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>Suction Machine</td>
<td>9</td>
</tr>
<tr>
<td>11</td>
<td>ABG Machine</td>
<td>0</td>
</tr>
<tr>
<td>12</td>
<td>Resuscitation Trolley</td>
<td>3</td>
</tr>
</tbody>
</table>
6. SERVICES AVAILABLE:
- 24x7 Emergency Patient care services
- Handling of MLC cases and utop cases.
- Facilities for 24x7 coverage patients by SRD & Consultant on call for direct patient care from different speciality and super speciality.
- Ambulance Services 24x7 for patients, employees of the institute as well as VVIP visitations.
- Emergency blood and radiological investigations.

7. INVESTIGATION FACILITIES AVAILABLE
- Investigations done in the Emergency Room itself:
  - Parascreen kit for Malaria/Parasite.
  - Urine Investigations: HCG KIT.
  - Random Bood Sugar.
  - Electrolyte estimation.
- Investigations done in the laboratory, samples sent from ED:
  - All emergency blood and urine investigations
- Radiological Investigation:
  - All urgent X-Rays, USGs, CT-Scans, MRIs

8. ACADEMIC ACTIVITIES:
- The Casualty Medical Officers sucessfully underwent and completed courses on BLSO (Basic Life Support in Obstetrics), PALS (Pediatric Advanced Life Support).
- One CMO, Participated in the Workshop on “The New Trends and Best Practices in Managing Hospital Services”, which included a session on “Role of Disaster Management in Hospitals and Making Hospitals Safer to Internal and External Disaster” at India International Centre, New Delhi, organized by the Advanced Management Institute (AMI), New Delhi.
- One CMO, participated in the training of Trainers for Medical Officers on “Developing a Health Sector in dealing with Violence against Women cases looking specifically into Sexual Assault cases”
- Two CMOs also Participated in the one day training on “Rational Use of Blood “at NEIGRIHMS, organized by the Meghalaya AIDS Control Society, Meghalaya State Blood Transfusion Council, in collaboration with Blood Bank, NEIGRIHMS.
- Two staff nurses from the Emergency Department had attended a conference and workshop on “Basic Emergency Care, AUTLS, Personality development, Communication and presentation skill and Cost Effective use of technology in Emergency Health Care” at New Delhi.
- One CMO had participated in a Workshop on “The Registration of Births and Deaths” organised by the Directorate of Health Services, Meghalaya, Shillong.
- A CMO had also participated in a Workshop on “Multi Drug Resistant Tuberculosis”, held at NEIGRIHMS, Shillong.

9. OTHER ACTIVITIES:

- Emergency department conducted a Mass Disaster Mock drill involving the whole hospital as part of state wide exercises on the 10th May 2014.
- Participated in the Orientation Programme for the 1st Year Post Graduate and Post Doctor(MD/MS/DM) students-2014 organized by the Medical Education Unit, NEIGRIHMS, Shillong Introductory lecture of the ED and its workings was delivered.
- Participated in the Orientation Programme for the 1st Year MBBS students-2014, organized by the Medical Education Unit, NEIGRIHMS, Shillong. Hands on practical exposure to the functioning of the department were delivered.
**DEPARTMENT OF E.N.T**

**FACULTY**

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Current status</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>1</td>
<td>-</td>
<td>Vacant</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>1</td>
<td>1</td>
<td>Dr. N Bryan Shunyu</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>2</td>
<td>1</td>
<td>Dr. Abhijeet Bhatia</td>
</tr>
</tbody>
</table>

**Highlights:**

Routine OPD is run from Monday through Friday daily from 9.00 am to 4.00 pm and on Saturday from 9.00 am to 2.00 pm except holidays. An average of 80 patients is being seen daily.

Routinely Rigid & Flexible Laryngoscopes, Nasal Endoscopes, Biopsy, Foreign bodies removal, cauterization, nasal packing, tracheotomy tube change syringing, EUM, abscess drainage, lymph node biopsy etc are conducted in the OPD.

**Audiology**

Recently the department was upgraded with VNG for vertigo and OAE instrument for hearing assessment both for children and adults.

Speech/Voice therapy have been regularly been taken care in voice clinic such as professional voice users, teachers, neurogenic voice disorders etc on daily basis.

**Special Clinics**

Head and Neck cancer every Monday and Thursday 02-04pm

Vertigo and Head and Neck clinics every Wednesday 02-03pm

Cochlear Implant and Rehabilitation clinic on weekly basis
Intercollaborative Activities

The department runs collaborative Head and Neck Cancer clinics with State cancer unit in Civil Hospital, Shillong.

Operation

Every Tuesday and Friday under GA surgery are performed in the main OT

Every Saturday under LA surgery are performed in the main OT

Education:

- MBBS Teaching Programme
- Bsc Nursing Teaching Programme
- PG Teaching Programme in term of Co-Guide:
- Inter departmental activities, ward round, clinical round, CCR, CGR Etc.

CMEs/Workshops/Symposia/National and International Conference:

- CME on “Management of Discharging Ear”. Time & Date: 12.00 pm to 2.00 pm on 07.02.2015. Venue: LT-I, NEIGRIHMS, Shillong

List of oral papers/posters presented

Dr N Brian Shunyu

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Title of presentation</th>
<th>Name of the Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Paper on Hypopharyngeal Reconstruction using a newer modified PMMF</td>
<td>27th Annual Conference of North Eastern Branch of Association of Otolaryngologists of India</td>
<td>17th to 19th October, 2014</td>
<td>Agartala Government Medical College</td>
<td>Agartala, India</td>
</tr>
</tbody>
</table>

Dr Abhijeet Bhatia

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Title of presentation</th>
<th>Name of the Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
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</thead>
<tbody>
<tr>
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</tbody>
</table>
**Otoacoustic emissions as a screening tool for noise induced cochlear damage**

38th Annual Conference of Association of Otolaryngologists of India

21st to 22nd Feb-2015

Maulana Azad Medical College

New Delhi

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### Research/Funded project/Ongoing

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Title of the project</th>
<th>Name of Principal Investigator</th>
<th>Funded by (Name of funding agency)</th>
<th>Duration (year)</th>
<th>Total funds sanctioned (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Multicentric National Task Force entitled “Prevalance and Epidemiological Study of Hearing Impairment”</td>
<td>Dr N Brian Shunyu</td>
<td>ICMR</td>
<td>5 years</td>
<td>48 lakhs</td>
</tr>
<tr>
<td>2.</td>
<td>Identification and development of DNA Methylation Biomarker for Oral Cancer in North Eastern Region of India.</td>
<td>Dr Ghosh NEHU</td>
<td>DBT (In Collaboration with NEHU)</td>
<td>3 years (Ongoing since 2 years)</td>
<td>58 lakhs</td>
</tr>
<tr>
<td>3.</td>
<td>Audiological profile of neonates with hyperbilirubinemia (Project being transferred from SMIMS, Gangtok to NEIGRIHMS, Shillong).</td>
<td>Dr Abhijeet Bhatia</td>
<td>ICMR</td>
<td>August-2014</td>
<td>9.6 Lakhs</td>
</tr>
</tbody>
</table>

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### Completed

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Title of the project</th>
<th>Name of Principal Investigator</th>
<th>Funded by (Name of funding agency)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Study of the prevalence of hearing loss in iodine deficiency and abnormal TFT among pregnant women and neonates in NEIGRIHMS, Shillong.</td>
<td>Dr Alice Ruram</td>
<td>Biochemistry Department</td>
</tr>
</tbody>
</table>

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### Departmental projects (including thesis/dissertations) :Ongoing

<table>
<thead>
<tr>
<th>S.No</th>
<th>Title of project</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>High risk new born screening</td>
</tr>
<tr>
<td>2.</td>
<td>Association between duration of exposure to personal listening devices and hearing</td>
</tr>
</tbody>
</table>
## Collaborative Projects: Ongoing

<table>
<thead>
<tr>
<th>S.No</th>
<th>Title of Project</th>
<th>Collaborating department/institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Study of the EGFR prevalence in head and Neck Cancer patients and treatment of locally advance HNC patient with targeted therapy.</td>
<td>With Meghalaya State Cancer Unit</td>
</tr>
<tr>
<td>2.</td>
<td>Incidence and Role of HPV in Head and Neck Cancer.</td>
<td>DBT Project (With Pathology Department)</td>
</tr>
<tr>
<td>3.</td>
<td>Evaluation of hearing loss after spinal Anaesthesia.</td>
<td>Intramural(withAnaesthesia department)</td>
</tr>
<tr>
<td>4.</td>
<td>Role of Brush biopsy and DNA cytometry in the diagnosis of Oral Premalignant and Malignant cases.</td>
<td>With Pathology Department</td>
</tr>
</tbody>
</table>

## Completed

<table>
<thead>
<tr>
<th>S.No</th>
<th>Title of Project</th>
<th>Collaborating department/institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Analysis of p16 gene expression and HPV 16/18 DNA status in Squamous cell carcinoma of Oral cavity in relation to grade and prognosis of the tumour who have undergone surgery in NEIGRIHMS</td>
<td>Intramural (With Pathology Department)</td>
</tr>
<tr>
<td>2.</td>
<td>To study the expression of EBER (Epstein-Bar Virus Encoded RNA) in Nasopharyngeal carcinoma by CISH method. (Chromogenic in situ Hybridization).</td>
<td>Intramural (With Pathology Department) funded by DBT</td>
</tr>
</tbody>
</table>

## Patient Care:

In patient care/supportive activities include information regarding: (a) facilities available in the department (including special clinics and/or special laboratory facilities (b) community services/campus etc.

Routine OPD is run from Monday through Friday daily from 9.00 am to 4.00 pm and on Saturday from 9.00 am to 2.00 pm except holidays. An average of 80 patients is being seen daily.

From April 2014 to March 2015, total of 20479 patients attended ENT OPD.

From April 2014 to March 2015, total of 4656 minor procedures and endoscopy procedures were performed in minor OT- OPD premises.

A total of 3615 patients attended Audio-vestibular and Speech-language unit.

A total of 258 major surgeries were performed.
A total of 63 emergency surgeries were done

A total of 51 Minor surgeries.

**Indoor Patients**

There are 22 indoor beds under ENT department. A total of 261 Female patients and 32 Male patients were admitted and have received treatment.

**Awards, Honours and Significant events:**

List only awards, honours and named orations of national and international repute, conferred (non-elected) memberships of fellowships, offices of the international and national societies and journals. Do not list lectures delivered at CMEs and conference. Also include any major academic activity which is not included under teaching, research and patient care activities. Workshops, symposia etc. already under CME, should not be repeated under this section. These can also include membership of Programme Advisory Committee, Scientific Advisory Committee, Research Advisory Committee, Government Advisory. Please limit this information to a maximum of 500 words.

**Visiting Scientist:**

Dr. N Brian Shunyu

1. As an International Visiting scholar in the Division of Reconstructive Microsurgery, Department of Plastic & Reconstructive Surgery at the Chang Gung Memorial Hospital, Linkou, Taiwan from April 30 to June 23, 2014.

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**DEPARTMENT OF FORENSIC MEDICINE**

**FACULTY**

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<thead>
<tr>
<th>Post</th>
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<tbody>
<tr>
<td>Professor</td>
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<td>Vacant</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>1</td>
<td>1</td>
<td>Dr.A.D.Ropmay</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>1</td>
<td>1</td>
<td>Dr.Daunipaia Slong</td>
</tr>
</tbody>
</table>

**Highlights:**

The Department of Forensic Medicine is engaged in academic, hospital and research activities. During the past year, the fifth batch of MBBS students were taught and trained in two batches. They were taken to Civil Hospital, Shillong in groups of ten every week for live postmortem demonstration, accompanied by a Senior Resident Doctor. Evening posting in the Emergency Department was arranged
to enable students to get hands-on practical experience and direct observation of medicolegal cases, with special reference to recording of injuries in accidents and assaults, and preparing a proper injury report which is both medically and legally acceptable.

As far as hospital activities are concerned, a duty roster is maintained for Faculty and Senior Residents to cover the Emergency Department in order to give advice on forensic-related matters as and when required by the medical officers posted there. Regular consultations are held to find out the load and type of medicolegal cases reporting to NEIGRIHMS hospital. Expert opinion on age estimation is given in both medicolegal and non-medicolegal cases at the requisition of police and other concerned authorities. Further, a state-of-the-art autopsy room with modern workstations is in the process of being set up.

A hospital based study on profile of poisoning was completed and published in a leading national journal. A second study on suicidal deaths was completed and published in 2014. It is a future endeavour for the department to form a liaison with local police and government while dealing with forensic cases.

Education:

(i) Regular classes are held for MBBS, B.Sc Nursing
(ii) Departmental Seminar (monthly)
(iv) Innovative teaching methods
   1. Problem-based and self-learning practical class. Small group discussion by students and presentation of a topic which has not yet been taught.
   2. Student seminars: Presentation of a topic by students.
(v) Evening Casualty Posting for the 2nd MBBS Students in order to observe medicolegal cases, as part of their academic curriculum from 9.2.2015.

CMEs/workshops/Symposia/National and International Conference:

Dr. A. D. Ropmay:
4. MCI Basic Workshop on Medical Education Technologies from 26th to 28th March 2015, at NEIGRIHMS.

Dr. Daunipaia Slong:

1. CME on Clinical Laboratory Quality management System: Road to Accrediation organized by the Department of Biochemistry, NEIGRIHMS, Shillong on 20th May 2014.
2. CME cum Seminar on Clinical Relevance of Autonomic Function Testing organized by the Department of Physiology, NEIGRIHMS, Shillong on the 13th June 2014.
3. CME on Pharmacovigilance organized by the Department of Pharmacology, NEIGRIHMS, Shillong on 28th June 2014.
4. MCI Basic Workshop on Medical Education Technologies from 26th to 28th March 2015, at NEIGRIHMS.

Dr. Samarendra Barman:


Lectures delivered at CMEs, National and International Conference:

Name of Faculty member: Dr. A. D. Ropmay

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>Place</th>
</tr>
</thead>
</table>

Name of Faculty member: Dr. Daunipaia Slong
<table>
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<tr>
<th>Sl. No</th>
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<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>“Importance of Postmortem Examination”</td>
<td>Course on Scientific Investigation of Criminal Cases.</td>
<td>24/6/2014</td>
<td>North Eastern Police Academy</td>
<td>Umsaw, Meghalaya</td>
</tr>
<tr>
<td>2.</td>
<td>“Death due to Alleged Medical Negligence - Forensic Aspect”</td>
<td>Course on Scientific Investigation of Criminal Cases.</td>
<td>27/6/2014</td>
<td>North Eastern Police Academy</td>
<td>Umsaw, Meghalaya</td>
</tr>
</tbody>
</table>

List of Oral Papers/Poster presented

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Authors</th>
<th>Title of Presentation</th>
<th>Name of the Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Ropmay, AD</td>
<td>Cries in the Dark</td>
<td>36th Annual Conference of IAFM</td>
<td>23/01/15</td>
<td>Sri Ramachandra Medical College</td>
<td>Chennai</td>
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</table>

**Research**

**Departmental Projects (Including thesis/dissertations): Ongoing**

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Title of Project</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Physical Assault Cases Attending the Emergency Department of a Tertiary Care Teaching Hospital – A Retrospective Study.</td>
</tr>
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</table>
Completed

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Title of Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Profile of Poisoning at a Teaching Hospital in Shillong (North East India)</td>
</tr>
</tbody>
</table>

**Patient Care:**

1. Clinical examination and age estimation of cases at the request of the concerned authority.
   - Medico-legal cases, from April 2014 to March 2015: 17 (seventeen)
     Requisitioning authority: Police officer not less than the rank of Sub Inspector (SI)
   - Non-Medicolegal cases, from April 2014 to March 2015: 103 (one hundred and three)
     Requisitioning authorities: (1) Deputy Director, Sports Authority of India, Shillong Training Centre, Shillong.
     (2) Chairperson, Child Welfare Committee, East Khasi Hills, Shillong.

2. Spot Postmortem Examination on 13/02/15 at the request of the concerned authority.
3. Forensic consultation in the Emergency Department.

**DEPARTMENT OF GENERAL MEDICINE**
FACULTY

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<tr>
<th>Post</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Professor &amp; Head</td>
<td>1</td>
<td>1</td>
<td>Dr. Prasanta Kumar Bhattacharya</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>2</td>
<td>1</td>
<td>Dr. K G Lynrah</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>3</td>
<td>2</td>
<td>Dr. Monaliza Lyngdoh Dr. Bhupen Barman</td>
</tr>
</tbody>
</table>

Highlights:
The Department of General Medicine is actively involved in patient-care services, teaching and research activities. Patient-care services include daily OPD, Emergency and in-patient services, and specialized services like endoscopy, hemodialysis and PFT. The Department has catered to 43,988 OPD and 3,398 indoor patients, and performed 3152 hemodialysis and about 2550 endoscopic procedures. The highlights in patient-care services of this year include (i) functioning of 6-Bed Medicine ICU, (ii) initiating the process to start a Geriatric OPD for comprehensive clinical care to the elderly patients, (iii) initiation of ‘Clinical Service Improvement’ with the approval of the competent authority for better patient care service and for optimizing service delivery with existing resources. Highlights of teaching activities include starting of postgraduate course (MD - General Medicine) from the academic year 2014-15, with regular post-graduate teaching activities like seminars, clinical case discussions, journal clubs and academic clinical rounds. Among the research activities, the faculty has contributed chapters in National Text Books and Updates, besides having publications in various national and international journals, and delivery of plenary lectures and guest lectures in international, national and regional conferences and workshops. The Department organized a workshop on ‘Basics of Good Clinical Practice (GCP)’ sponsored by CDSA (DBT) and co-organized a DBT sponsored symposia on ‘Research Methodology and Biomaterials for Human applications for Clinical Translational Research’ with the Department of Orthopedics. Senior faculty of the Department also acted as technical expert/member of autonomous bodies/institutions like MCI, UPSC, IIPS and external examiners in undergraduate and postgraduate university examinations.

Education:
The Faculty and Senior Residents of the Department are actively engaged in teaching the undergraduate and postgraduate students, in addition to involving in teaching programmes of the B Sc Nursing students of the College of Nursing. Medical Officers from other departments and institutions who are put on rotation in this Department are also trained in the clinical skills of the subject.

1. Undergraduate MBBS training:
   a. Lecture classes
   b. Bedside Clinics
   c. Interactive UG seminars for clinical case discussions
d. Tutorial classes for Problem-based learning

2. **Postgraduate MD training:**
   a. Clinical: bedside academic rounds for PG students - daily
   b. Seminars: weekly
   c. Case presentations: weekly
   d. Journal Club: weekly
   e. Theory class: With UG Classes as per schedule
   f. Research: postgraduate students are actively involved in various research activities including their Thesis work, assisting in publication of research works of the Department, preparing and presenting their platform and poster presentations

3. **B Sc Nursing:**
   a. Lecture classes: Twice a week

4. **Medical Officers, Emergency Department:**
   a. Clinical skill training: periodic, as per requirement

5. **Bachelor of Trauma, Emergency & Disaster Management students posting in General Medicine:** 2 months training

**The changes in the academic schedule during the year include:**
1. Starting of postgraduate academic activities with the starting of the PG course from this academic year
2. Starting of interactive clinical case discussion classes for undergraduate students
3. With the increase in the number of faculty, reorientation of undergraduate teaching, with faculty focusing on theory, bedside clinics and interactive seminars, while the SRD and postgraduates focus on bedside clinics and PBL classes.

**CMEs/Workshops/Symposia/National and International Conference:**

1. Organized National Workshop on basics of Good Clinical Practice (GCP), sponsored by Clinical Development Services Agency (CDSA), DBT, 28-29 March 2014, at NEIGRIHMS, Shillong
2. Co-organizer of DBT funded Symposia on Research Methodology and Biomaterials for Human applications for Clinical Translational Research in collaboration with the Department of Orthopedics, NEIGRIHMS, on 20-21 March 2015 at NEIGRIHMS, Shillong

**Lectures delivered at CMEs, National and International Conferences:**

**Name of Faculty member: Dr Prasanta Kumar Bhattacharya**

<table>
<thead>
<tr>
<th>Sl</th>
<th>Title of talk</th>
<th>Name of the CME/</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
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<table>
<thead>
<tr>
<th>No</th>
<th>Conference</th>
<th>Date</th>
<th>Organizing Institution</th>
<th>Location</th>
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<tbody>
<tr>
<td>1</td>
<td>Challenges in the Management of Metabolic Non-communicable Diseases with special reference to Diabetes Mellitus</td>
<td>04-12-2014</td>
<td>Institute of Advanced Study in Science &amp; Technology</td>
<td>Guwahati</td>
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<td></td>
<td>International Conference on Disease Biology and Therapeutics (ICDBT-2014)</td>
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<tr>
<td>2</td>
<td>Essentials of Research Methodology: Practical approach</td>
<td>20-03-2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td></td>
<td>Symposia on Research Methodology and Biomaterials for Human applications for Clinical Translational Research</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>3</td>
<td>Role of Qualitative Research in the Management of Diabetes Mellitus</td>
<td>24-01-2015</td>
<td>Madras Diabetes Research Foundation</td>
<td>Chennai</td>
</tr>
<tr>
<td></td>
<td>13th International seminar on &quot;Prevention of non-communicable diseases&quot; organized jointly by University of Alabama, Birmingham, USA &amp; MDRF, India</td>
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<tr>
<td>4</td>
<td>Critical review of published article</td>
<td>25-01-2015</td>
<td>Madras Diabetes Research Foundation</td>
<td>Chennai</td>
</tr>
<tr>
<td></td>
<td>13th International seminar on &quot;Prevention of non-communicable diseases&quot; organized jointly by University of Alabama, Birmingham, USA &amp; MDRF, India</td>
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<tr>
<td>5</td>
<td>Patient Empowerment in the Management of Diabetes Mellitus</td>
<td>01-11-2014</td>
<td>APICON, West Bengal</td>
<td>Kolkata</td>
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<td></td>
<td>21st Annual Conference of Association of Physicians of India, West Bengal Branch</td>
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<td>6</td>
<td>Role of Institutional Ethical Committee</td>
<td>29-03-2014</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
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<tr>
<td>Sl No</td>
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<td>Date</td>
<td>Venue</td>
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<tr>
<td>7</td>
<td>How to Read a Paper</td>
<td>4th East Zone &amp; 24th Annual Conference of Association of Physicians of India, Assam Branch</td>
<td>13-12-2014</td>
<td>NF Railway Hqrs. Campus</td>
</tr>
<tr>
<td>8</td>
<td>Clinical Trials and related Ethical issues</td>
<td>Symposia on Research Methodology and Biomaterials for Human applications for Clinical Translational Research</td>
<td>21-03-2015</td>
<td>NEIGRIHMS</td>
</tr>
<tr>
<td>9</td>
<td>Critical appraisal of a paper with special reference to various study designs</td>
<td>Symposia on Research Methodology and Biomaterials for Human applications for Clinical Translational Research</td>
<td>21-03-2015</td>
<td>NEIGRIHMS</td>
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<tr>
<td>10</td>
<td>Barriers in the management of Diabetes – Qualitative issues</td>
<td>CGR in General Medicine</td>
<td>13-12-2014</td>
<td>NEIGRIHMS</td>
</tr>
<tr>
<td>11</td>
<td>Problem Based Learning (PBL)</td>
<td>Continue Medical Education / Faculty Development Programme by Medical Education Unit, NEIGRIHMS</td>
<td>18-09-2014</td>
<td>NEIGRIHMS</td>
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</tbody>
</table>

Name of Faculty member: Dr K G Lynrah

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Obesity- Basic science to Clinical perspective</td>
<td>19th Annual Conference of the North Eastern Diabetes Society (NEDSCON) 2014</td>
<td>10-10-2014</td>
<td>Rhino Hall</td>
<td>Shillong</td>
</tr>
</tbody>
</table>
Name of Faculty member: Dr Bhupen Barman

<table>
<thead>
<tr>
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<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
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<tbody>
<tr>
<td></td>
<td>Treatment and Prevention of Hepatitis C</td>
<td>Hep.Com</td>
<td>25th April 2014</td>
<td>Shillong Club</td>
<td>Meghalaya</td>
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**List of oral papers/posters presented**

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Authors</th>
<th>Title of presentation</th>
<th>Name of the Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Bhattacharya PK, Md Jamil, Roy A, Barman B, Lyngdoh M, Lynrah KG</td>
<td>Aetiology, Burden of Disease and Clinical Profile of Chronic Kidney Disease in North East India</td>
<td>Annual Day of NEIGRIHMS</td>
<td>March 4-5, 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
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</table>

**Research:** Funded Project: Ongoing
Title of the Project | Name of Principal Investigator | Funded by (Name of Funding agency) | Duration (year) | Start Year – End year | Total funds sanctioned (Rs.)
--- | --- | --- | --- | --- | ---
“Prospective study of hepatitis B virus infection and its genotypes in North Eastern India” | Prof. P. Kar | ICMR | 3 Years | 2012 | Rs. 9,67,690.00/-

**Departmental projects (including thesis/dissertations): Ongoing**

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Title of Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Disease Burden and Clinical Profile of Sepsis in Non-Surgical Patients and Role of Serum Procalcitonin and C-Reactive Protein as Biomarkers in Sepsis</td>
</tr>
<tr>
<td>2</td>
<td>Clinico-Pathological Spectrum of Patients with Renal Failure of Infective Aetiology</td>
</tr>
<tr>
<td>3</td>
<td>A hospital-based retrospective study on glomerular diseases in adults from North Eastern India</td>
</tr>
<tr>
<td>4</td>
<td>Spectrum of Tuberculosis and its diagnostic methods: A retrospective study from North Eastern India</td>
</tr>
<tr>
<td>5</td>
<td>A Study of Clinical profile of Acute Kidney Injury</td>
</tr>
<tr>
<td>6</td>
<td>Incidence of Gastrointestinal Malignancies In Tertiary Care Hospital</td>
</tr>
</tbody>
</table>

**Patient Care:**

The patient care services of the Department of Medicine includes OPD, In-patient, Emergency services and Special investigational services of Endoscopy (upper and lower GI, Bronchoscopy) – both diagnostic and therapeutic, hemodialysis services and Pulmonary Function Tests.

The Department of General Medicine runs OPD six days a week from Monday to Saturday. The Department is divided into two Units for better patients care and services. Each Unit has got bed strength of 34 each. An additional 8 beds are added for patients with smear positive pulmonary tuberculosis.
There are 10 hemodialysis machines in the HD unit, which is under supervision of the Department of General Medicine. Of the 10 machines one is reserved for HIV positive patients and one for HBV/HCV positive patients. The remaining 8 machines are used for all other category of dialysis patients.

**Specialized Procedures:** Other specialized procedures include peritoneal & pleural aspiration, bone marrow aspiration and biopsy, lumbar puncture, Central Venous line Insertion, Skin Biopsy, Arterial Blood Gas sampling and analysis, Endotracheal Tube Intubation are performed as per case indications.

**OPD patient attendance:**

<table>
<thead>
<tr>
<th>Total No. of OPD Patients (Old)</th>
<th>Total No. of OPD Patients (New)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>Female</td>
<td></td>
</tr>
<tr>
<td>10535</td>
<td>11443</td>
<td></td>
</tr>
<tr>
<td>Male</td>
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<td></td>
</tr>
<tr>
<td>10439</td>
<td>11571</td>
<td>43988</td>
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</table>

**Breakup of patients admitted:**

<table>
<thead>
<tr>
<th>Male Medical Ward</th>
<th>Female Medical Ward</th>
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<tbody>
<tr>
<td>1805</td>
<td>1593</td>
<td>3398</td>
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</table>

**Haemodialysis unit:**

<table>
<thead>
<tr>
<th>MALE</th>
<th>FEMALE</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1902</td>
<td>1250</td>
<td>3152</td>
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</table>

**Endoscopy procedures performed:**

<table>
<thead>
<tr>
<th>Name of Procedure</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper GI Endoscopy</td>
<td>2341</td>
</tr>
<tr>
<td>Biopsy</td>
<td>517</td>
</tr>
</tbody>
</table>
Antral Crush smear for H Pylori | 276
---|---
EVL | 10
Dilatation | 4
Sclerotherapy | 8
Lower GI Endoscopy | 80
Biopsy | 24
Bronchoscopy | 53
Biopsy | 19
Broncho Alveolar Lavage (BAL) | 64

**Pulmonary Function Tests performed:**

<table>
<thead>
<tr>
<th></th>
<th>Male</th>
<th>Female</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>211</td>
<td>151</td>
<td>362</td>
</tr>
</tbody>
</table>

**Awards, Honours and significant events:**

**Dr P K Bhattacharya:**

1. Nominated as Member of Technical Advisory Committee (TAC), Longitudinal Ageing Study in India (LASI), a multi-centric cohort study (2013-2018) by the International Institute of Population Sciences (IIPS), Mumbai, Ministry of Health & FW, Govt. of India, in collaboration with Harvard School of Public Health and RAND Corporation, USA, funded jointly by MoHFW/MoSJE, GOI and NIA/NIH, USA.
2. Nominated as Member, Board of Studies for Professional Courses offered by NEIGRIHMS by North Eastern Hill University (NEHU) in September 2014
3. Deputed as In-charge of Central Team to inspect Hospitals/Isolation Centres identified by the States for treatment of Ebola Virus Disease, constituted by Ministry of Health & FW, Govt. of India in November 2014.
4. Acted as Assessor (Inspector), Medical Council of India (MCI) for inspecting Post graduate teaching facilities of Govt. Medical College at Bhavnagar, Gujarat on 04th April 2014
5. Acted as an Expert in the UPSC interview for selection of Medical Officers on 10\textsuperscript{th} and 11\textsuperscript{th} September 2014 at UPSC office, New Delhi

\textbf{Dr K G Lynrah:}

1. Deputed as member of Central Team to inspect Hospitals/Isolation Centres identified by the States for treatment of Ebola Virus Disease, constituted by Ministry of Health & FW, Govt. of India in November 2014.

\section*{DEPARTMENT OF GENERAL SURGERY}

\section*{FACULTY}

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Current status</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor &amp; Head</td>
<td>1</td>
<td>1</td>
<td>Dr. Noor Topno, MS</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>2</td>
<td>2</td>
<td>Dr. Ranendra Hajong, MS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dr. Arup Jyoti Baruah, MS</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>3</td>
<td>2</td>
<td>Dr. Donkupar Khongwar, MS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dr. Dathidiam Tongper, MS</td>
</tr>
</tbody>
</table>

\textbf{Services provided:}

1. \textbf{OPD}
   The OPD is located in the ground floor of the OPD block, Room # 22 to 26. OPD functions on all days except notified holidays.
   Timings are: 9am - 2 pm from Monday to Saturday
   Average attendance 70 cases both old and new
   The department apart from General Surgical cases handles basic Pediatric Surgery cases

2. \textbf{Emergency Services:} Round the clock on all days. With JRD, SRD and consultant on call

3. \textbf{Operation Days}
   Thursday: 2 tables; 6-7 cases per OT day
Alternate Fridays: 1 table; 2-3 cases per OT day

4. Day care procedures:
   Daily; OPD procedure room (Rom # 117)

5. OPD Scopy services: Monday – Saturday
   Endoscopy for surgery department: 15 cases per week.

6. Inpatient services
   34 bedded female surgery ward and 18 bedded male surgery ward which are shared by both
   the units.

   Those patients requiring intensive care are managed in the Intensive Care Unit of the hospital
   under the aegis of the anesthesia department. All admissions are made in the name of the unit
   in charge, by the senior resident doctors in consultation with the Surgery consultant.

7. Teaching
   The department caters to the requirements of MBBS, BSc nursing program and MS
   surgery 2 in number every year.

8. The major development of this department this year is the initiation of the post graduate
   program which was start from July, 2013, accommodating 2 students per batch.

Surgery department has as two units.

The functions of the unit will be as follows:
Unit I – Monday, Wednesday & Friday
Unit II – Tuesday, Thursday & Saturday

CMEs/Workshops/Symposia/National and International Conference:

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Name of the event</th>
<th>Date</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MID TERM CME of the ASSAM STATE CHAPTER OF THE ASSOCIATION OF SURGEONS OF INDIA</td>
<td>31st May, 2014</td>
<td>NEIGRIHMS, Mawdiangdiang Shillong</td>
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</table>

Lectures delivered at CMEs, National and International Conferences

Name of Faculty member:

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
</tr>
</thead>
</table>
1. **Dr. Arup J. Baruah** – Role of understanding the molecular biology of breast cancer leading to its clinical application  
   - International conference on disease biology and therapeutics  
   - 3rd to 5th December 2014  
   - IIT Guwahati

2. **Prof. N. Topno** – Management of Biliary Strictures  
   - 2014 – Midterm CME  
   - Assam State Chapter of ASI  
   - 31st May 2014  
   - NEIGRIHMS, Shillong

3. **Prof. N. Topno** – Conducted Panel discussion on Management of CBD Stones  
   - 2014 – Midterm CME  
   - Assam State Chapter of ASI  
   - 31st May 2014  
   - NEIGRIHMS, Shillong

4. **Prof. N. Topno** – Diabetic foot: Surgical perspective  
   - 19th Annual Conference of North East Diabetes Society  
   - 10th – 11th October, 2014  
   - Military Hospital, Shillong

5. **Prof. N. Topno** – Panel discussion on Basics of Research Collaboration  
   - AIIMS & University of Michigan, Ann Arbor Research Collaboration  
   - 1st -5th December, 2014  
   - AIIMS, New Delhi

6. **Prof. N. Topno** – Panelist for PG case discussion  
   - ASI – TYSA (Torrent Young Scholar Award) North East Zonal CME-2015  
   - March, 2015  
   - Guwahati

### List of oral papers/posters presented

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Authors</th>
<th>Title of presentation</th>
<th>Name of the Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Prof. N. Topno</td>
<td>Two stage repair Bismuth Type III CBD injury</td>
<td>Guest Lecture Silchar Medical College</td>
<td>22nd December, 2014</td>
<td>Silchar Medical College</td>
<td>Guwahati</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Video Presentation on Transhiatal Esophagectomy</td>
<td>ASI – TYSA North East Zonal CME-2015</td>
<td>March, 2015</td>
<td></td>
<td>Guwahati</td>
</tr>
<tr>
<td></td>
<td>Dr. R. Hajong</td>
<td>Miraculous survival story following through</td>
<td>60th Annual Conference of</td>
<td>25th to 28th September,</td>
<td>Hotel Capitol</td>
<td>Bengaluru</td>
</tr>
<tr>
<td>Number</td>
<td>Author(s)</td>
<td>Title</td>
<td>Conference/Event</td>
<td>Date</td>
<td>Location</td>
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<tr>
<td>1</td>
<td>Dr. Peter D.S. Khariong</td>
<td>Miraculous survival story following through and through penetrating abdominal injury</td>
<td>3rd Annual Research Day at NEIGRIHMS</td>
<td>3rd to 4th March, 2015</td>
<td>Shillong</td>
<td></td>
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<tr>
<td>2</td>
<td>Dr. Rajiv Paul</td>
<td>Cutaneous manifestations of Peutz Jegher’s Syndrome</td>
<td>Mid Term CME of the Assam State Chapter of the Association of Surgeons of India</td>
<td>31st May, 2013</td>
<td>Shillong</td>
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<tr>
<td>3</td>
<td>Dr. K. Lenish Singh</td>
<td>Foreign body of esophagus presenting with dysphagia</td>
<td>3rd Annual Research Day at NEIGRIHMS</td>
<td>3rd to 4th March, 2015</td>
<td>Shillong</td>
<td></td>
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<tr>
<td>4</td>
<td>Dr. Girish Sharma</td>
<td>Solid pseudopapillary tumour of pancreas – a report of two cases</td>
<td>3rd Annual Research Day at NEIGRIHMS</td>
<td>3rd to 4th March, 2015</td>
<td>Shillong</td>
<td></td>
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<tr>
<td>5</td>
<td>Dr. Sandeep Ghosh</td>
<td>Malignant melanoma of anal canal – a rare case</td>
<td>3rd Annual Research Day at NEIGRIHMS</td>
<td>3rd to 4th March, 2015</td>
<td>Shillong</td>
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### Departmental projects (including thesis/dissertations): Ongoing

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of project</th>
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<tbody>
<tr>
<td>1</td>
<td>Prof. Noor Topno, Dr. Y. Khonglah, Dr. Sandeep Ghosh – A study on Helicobacter pylori infection in patients with cholecystitis</td>
</tr>
<tr>
<td>2</td>
<td>Prof. Noor Topno, Dr. K.G. Lynrah, Dr. Madhur Anand – A study on gastrointestinal manifestations of ascariasis</td>
</tr>
<tr>
<td>3</td>
<td>Prof. Noor Topno, Dr. A.J. Baruah, Dr. Girish Sharma – A study on predictors of difficult cholecystectomy</td>
</tr>
<tr>
<td>4</td>
<td>Dr. R. Hajong, Dr. D. Khongwar, Dr. K. Lenish Singh – A clinical study of various diagnostic modalities for diagnosis of Acute appendicitis</td>
</tr>
<tr>
<td>5</td>
<td>Dr. R. Hajong, Dr. A.J. Baruah – A study of fatty liver disease in patients undergoing cholecystectomy</td>
</tr>
</tbody>
</table>
6 Dr. A.J. Baruah, Dr. R. Hajong – A study of the safety and usability profile of closed versus open technique of laparoscopic primary peritoneal access port in patient undergoing routine laparoscopic cholecystectomy

7 Dr. D. Khongwar, Prof. Noor Topno – Comparison between topical & oral antibiotics for prophylaxis of inguinal hernia mesh repair

8 Dr. D. Khongwar, Prof. Noor Topno – Epidemiologic profile of burn patients attending NEIGRIHMS, hospital

### OPD ATTENDANCE

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<tr>
<th>Male (New)</th>
<th>Female (New)</th>
<th>Male (Old)</th>
<th>Female (Old)</th>
<th>Male (Referred)</th>
<th>Female (referred)</th>
<th>Unit-I</th>
<th>Unit-II</th>
<th>Grand Total</th>
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<td>1058</td>
<td>4039</td>
<td>4070</td>
<td>1525</td>
<td>1404</td>
<td>7196</td>
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### Total No of Ward Admission: UNIT WISE

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<tbody>
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</tr>
<tr>
<td>397</td>
<td>317</td>
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</tbody>
</table>

GRAND TOTAL Minor OT Procedure UNIT- I & II = 2540

ROUTINE OT UNIT- I & II = 354

EMERGENCY OT UNIT- I & II = 216
## DEPARTMENT OF MICROBIOLOGY

### FACULTY

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<th>Post</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Professor &amp; Head</td>
<td>1</td>
<td>1</td>
<td>Dr. A. C. Phukan</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>1</td>
<td>2</td>
<td>Dr. (Mrs) A. B. Khyriem</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dr. (Mrs) W. V. Lyngdoh</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>2</td>
<td>1</td>
<td>Dr. (Mrs) Clarissa. J. Lyngdoh</td>
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</tbody>
</table>

### Highlights:
The Department of Microbiology has been functioning since June, 2006 in the permanent campus of NEIGRIHMS at Mawdiangdian, Shillong-18. The Department has been progressing according to the pre-designed road map with its short and long term visions to achieve the goals in the field of patients care, academic and biomedical research activities. During the reporting period patient care services are being provided to the beneficiaries through different diagnostic laboratories of the Department. Microbiological Surveillance of the Hospital is another activity of this Department. The Department also actively involves in execution of different National Health Programmes in the field of RNTCP, NACO, IDSP etc. The Department has been identified as a State Reference Laboratory for EQAS activity in HIV testing and development of trained human resource in the State of Meghalaya under NACO, India and Nodal Centre for North East India on Avian Influenza Surveillance Laboratory Network under IDSP in collaboration with National Centre for Disease Control, Delhi, Govt. of India.

The Department provides 24 hours diagnostic laboratory services including emergency laboratory services for the OPD and indoor patients during the reporting period. The Emergency Laboratory Services have proved to be very effective with special reference to the management of patient with complicated malaria due to *P. falciparum* infection and patients admitted in ICUs and other wards including Dialysis unit.

Academically, the Department has been conducting MD Microbiology Course since May, 2009 with an intake of 2 (two) Post-Graduate Students per year which was increased to 3 PG Students from the
Academic Session 2014 - 2017. The Post-Graduate teaching programme covers weekly Journal Club, Seminar and Practical Laboratory Exercise wherein relevant topics of recent developments are discussed. During the reporting period 7 PG students underwent MD Microbiology Course. Six PG students of 1st, 2nd & 3rd batches completed the MD Microbiology Course successfully under NEHU, Shillong.

The MBBS course in the Department started in August, 2009 with 50 students. The teaching activities for the MBBS include theory classes, tutorials, seminars and demonstration with practical classes. The Department has been involving in the training of SRDs and Technical Staff and teaching programmes for the B.Sc. Nursing Students of the College of Nursing of the Institute. The Department is well equipped with both conventional and modern laboratory equipments for patients care, academic and research activities.

The Faculty and Residents of the Department attended different local, regional and national conferences / workshops with active participation as a part of Continuing Medical Education (CME) through chairing and moderating the Technical Session, Scientific deliberation as Resource Person and presentation of the Scientific Papers and also as an effort for human resource development during the reporting period.

Over and above, Faculty of the Department has been extending their helping hands to the administration of NEIGRIHMS in multiple areas as and when necessary. The Prof. & Head of the Department has been executing the responsibility of Medical Superintendent I/c of the Hospital since November, 2010 in addition to his own duties and responsibilities.

Education:

Academically, the Department has been conducting MD Microbiology Course since May, 2009 with an intake of 2 (two) Post-Graduate Students per year which was increased to 3 PG Students from the Academic Session 2014 - 2017. The Post-Graduate teaching programme covers weekly Journal Club, Seminar and Practical Laboratory Exercise wherein relevant topics of recent developments are discussed. During the reporting period 7 PG students underwent MD Microbiology Course. Six PG students of 1st, 2nd & 3rd batches completed the MD Microbiology Course successfully under NEHU, Shillong.

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classes. The Department has been involving in the training of SRDs and Technical Staff and teaching programmes for the B.Sc. Nursing Students of the College of Nursing of the Institute. The Department is well equipped with both conventional and modern laboratory equipments for patients care, academic and research activities.

CMEs/Workshops/Symposia/National & International Conference :

a. One day “SRL Workshop on EQAS in HIV Testing for ICTC Lab. Techs. in the State of Meghalaya” organized by the State Reference Laboratory, NEIGRIHMS on 8th December 2014 in the Department of Microbiology, NEIGRIHMS.

b. One day “SRL Workshop on EQAS in HIV Testing for ICTC & Blood Bank Lab. Techs. in the State of Meghalaya” organized by the State Reference Laboratory, NEIGRIHMS on 25th March 2015 in the Department of Microbiology, NEIGRIHMS.

List of oral papers/posters presented :

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Authors</th>
<th>Title of presentation</th>
<th>Name of the Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Bora I, Dutta V, Lyngdoh WV, Lyngdoh CJ.</td>
<td>Central line Bundle Implementation in Intensive Care</td>
<td>The 15th Congress of the International Federation of Infection</td>
<td>21st to 24th Mar, 2015</td>
<td>JW Merriott Hotel, New Delhi</td>
<td>New Delhi</td>
</tr>
<tr>
<td>Sl. No.</td>
<td>Title of the Project</td>
<td>Name of Principal Investigator</td>
<td>Funded by (Name of funding agency)</td>
<td>Duration (year)</td>
<td>Start year-end year</td>
<td>Total funds sanctioned (Rs.)</td>
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</tr>
<tr>
<td>1</td>
<td>Antifungal susceptibility testing and genotyping of cryptococcal isolates from Delhi and other parts of India</td>
<td>Dr. A. C. Phukan</td>
<td>DBT, GoI</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Surveillance of Chickungunya virus activity in Assam and Meghalaya</td>
<td>Dr. A. C. Phukan</td>
<td>ICMR, GoI</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Evaluation of loop mediated isothermal amplification and polymerase chain reaction in clinically suspected and radiologically</td>
<td>Dr. A. C. Phukan</td>
<td>ICMR, GoI</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Sl. No.</td>
<td>Title of the Project</td>
<td>Name of Principal Investigator</td>
<td>Funded by (Name of funding agency)</td>
<td>Duration (year)</td>
<td>Start year-end year</td>
<td></td>
</tr>
<tr>
<td>---------</td>
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<td></td>
</tr>
<tr>
<td>1</td>
<td>Prospective study of Hepatitis B virus infections and its genotypes in the North Eastern States -</td>
<td>Dr. A. B. Khyriem</td>
<td>ICMR, GoI</td>
<td>3 years</td>
<td>2012 – 2015</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Multi-centre study on Antimicrobial Resistance Monitoring of Salmonella typhi and Salmonella paratyphi A- an attempt to make national guidelines to treat Enteric fever Salmonella typhi</td>
<td>Dr. W. V. Lyngdoh</td>
<td>ICMR, GoI</td>
<td>3 years</td>
<td></td>
<td></td>
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</tbody>
</table>

**Completed**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Title of the Project</th>
<th>Name of Principal Investigator</th>
<th>Funded by (Name of funding agency)</th>
<th>Duration (year)</th>
<th>Start year-end year</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Class B Carbapenemase producing Gram negative Bacilli : Molecular epidemiology and analysis of genetic environment of the drug resistant determinant in elucidating its transmission dynamics</td>
<td>Dr. A. B. Khyriem</td>
<td>UGC</td>
<td>3 years</td>
<td>2013 – 2015</td>
</tr>
<tr>
<td>5</td>
<td>Detection of New Delhi Metallo-B-Lactamase-1 Producing Enterobacteriaceae in Intensive Care Unit, NEIGRIHMS</td>
<td>Dr. W. V. Lyngdoh</td>
<td>DBT, GoI</td>
<td>2 years</td>
<td>2014 – 2016</td>
</tr>
<tr>
<td>6</td>
<td>Class B Carbapenemase producing Gram negative Bacilli : Molecular epidemiology and analysis of genetic environment of the drug resistant determinant in elucidating its transmission dynamics</td>
<td>Dr. A. B. Khyriem</td>
<td>UGC</td>
<td>3 years</td>
<td>2013 – 2015</td>
</tr>
<tr>
<td>7</td>
<td>Detection of New Delhi Metallo-B-Lactamase-1 Producing Enterobacteriaceae in Intensive Care Unit, NEIGRIHMS</td>
<td>Dr. W. V. Lyngdoh</td>
<td>DBT, GoI</td>
<td>2 years</td>
<td>2014 – 2016</td>
</tr>
<tr>
<td>8</td>
<td>Epidemiological typing of <em>Burkholderia cepacia</em> complex and <em>Stenotrophomonas maltophilia</em> from septicemic patients in the North East India</td>
<td>Dr. W. V. Lyngdoh</td>
<td>DBT, GoI</td>
<td>3 years</td>
<td>2015 – 2018</td>
</tr>
</tbody>
</table>

**Departmental projects (including thesis/dissertations): Ongoing**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Title of Project / Thesis</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Detection of New Delhi metallo-beta lactamase-1 producing Enterobacteriaceae isolates from Intensive care Unit, NEIGRIHMS</td>
</tr>
<tr>
<td>2</td>
<td>A study of respiratory viruses affecting the upper respiratory tract in the paediatric patients attending NEIGRIHMS with special reference to Respiratory Syncytial Virus</td>
</tr>
<tr>
<td>3</td>
<td>Multiplex polymerase chain reaction for diagnosis of Enteric Infections associated with Diarrheagenic Escherichia coli(DEC)</td>
</tr>
<tr>
<td>4</td>
<td>Study of musculoskeletal Tuberculosis among the patients attending tertiary care centre in North eastern India.</td>
</tr>
<tr>
<td>5</td>
<td>Detection of mecA gene from the clinical isolates of Staphylococcus aureus</td>
</tr>
<tr>
<td>6</td>
<td>Detection of Diarrheagenic Escherichia coli by multiplex PCR</td>
</tr>
<tr>
<td>7</td>
<td>Comparative evaluation of single or multiple specimens from central and peripheral lines in conventional and Bact/ALERT blood culture systems in a Tertiary care</td>
</tr>
<tr>
<td>8</td>
<td>An attempt to formulate an antibiotic policy in NEIGRIHMS : A pilot study</td>
</tr>
<tr>
<td>9</td>
<td>Emergence of Linezolid resistance among Gram positive isolates in NEIGRIHMS</td>
</tr>
<tr>
<td>10</td>
<td>Fungal Infections in Intensive Care Unit : A Prospective Study</td>
</tr>
<tr>
<td>11</td>
<td>Isolation, Identification and Antimicrobial susceptibility of Neiserria gonorrhoeae isolates from clinical specimens in NEIGRIHMS</td>
</tr>
<tr>
<td>12</td>
<td>Isolation, identification and antimicrobial profile of non-diptherial Corynebacterium spp. From clinical isolates</td>
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<td>13</td>
<td>Retrospective Analysis of Bacteriological Profile of Osteomyelitis</td>
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### Completed

<table>
<thead>
<tr>
<th>Sl.</th>
<th>Title of project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Study of Markers of Hepatitis Viruses in Patients with Chronic Liver Diseases</td>
</tr>
<tr>
<td>2</td>
<td>Study of Drug Sensitivity Profile of <em>Mycobacterium tuberculosis</em> isolated from patients attending NEIGRIHMS (PG Thesis)</td>
</tr>
<tr>
<td>3</td>
<td>Study of Nosocomial Infections among the patients admitted in the Intensive Care Units of NEIGRIHMS, Shillong</td>
</tr>
<tr>
<td>4</td>
<td>Study of Intestinal Parasites among the Immunosuppressed patients attending NEIGRIHMS</td>
</tr>
<tr>
<td>5</td>
<td>“Study of Extended Spectrum Beta Lactamase (ESBL) and Metallo Beta Lactamase (MBL) producing clinical isolates of Enterobactericeae and non-fermenters in NEIGRIHMS, Shillong”</td>
</tr>
<tr>
<td>6</td>
<td>“Study of mycotic infections among immunocompromised patients attending NEIGRIHMS, Shillong with special reference to Candidiasis”</td>
</tr>
<tr>
<td>7</td>
<td>Characterization of β-Hemolytic streptococci from clinical isolates</td>
</tr>
<tr>
<td>8</td>
<td>A study on HIV-TB co-infection among patients attending NEIGRIHMS, Shillong</td>
</tr>
<tr>
<td>9</td>
<td>Detection and Identification of Candida species in patients with clinical cervico vaginal infections Characterization of Candida species from ICU isolates in NEIGRIHMS – A Retrespective study</td>
</tr>
<tr>
<td>10</td>
<td>Clinical-mycological profile of dermatophytosis in Meghalaya</td>
</tr>
<tr>
<td>11</td>
<td>Characterization of Candida species from ICU isolates in NEIGRIHMS – A Retrespective study</td>
</tr>
<tr>
<td>12</td>
<td>Mycological profile of onychomycosis in Meghalaya</td>
</tr>
</tbody>
</table>

### Patient care activities

1. **Clinical Diagnostic Laboratory Services :-**

   (i) Number of patients investigated in the Diagnostic Labs. : 50,219

   OPD Patients : 21,149

   Indoor Patients : 29,070

   (ii) No. of Diagnostic tests performed : 3,28,553

   (iii) Distribution of Laboratory tests performed :-

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>(A) Bacteriology Tests for</th>
<th>No. of test</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Blood stream infections</td>
<td>33,201</td>
</tr>
<tr>
<td>2</td>
<td>Urinary tract infection</td>
<td>1,09,244</td>
</tr>
<tr>
<td>Sl. No.</td>
<td>Specific Test</td>
<td>No. of test</td>
</tr>
<tr>
<td>--------</td>
<td>--------------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>3</td>
<td>Respiratory tract infection</td>
<td>43,135</td>
</tr>
<tr>
<td>4</td>
<td>Meningitis, Peritonitis</td>
<td>17,389</td>
</tr>
<tr>
<td>5</td>
<td>Soft tissue &amp; wound infection</td>
<td>37,371</td>
</tr>
<tr>
<td>6</td>
<td>Gastrointestinal infection</td>
<td>1,670</td>
</tr>
<tr>
<td>7</td>
<td>Direct identification of bacteria by Gram stain</td>
<td>5,122</td>
</tr>
<tr>
<td>8</td>
<td>Identification of bacterial isolates</td>
<td>13,769</td>
</tr>
<tr>
<td>9</td>
<td>Antimicrobial Susceptibility Testing</td>
<td>4,155</td>
</tr>
<tr>
<td>10</td>
<td>Detection of H. pylori in crush smear</td>
<td>271</td>
</tr>
<tr>
<td>11</td>
<td>Detection of acid fast bacilli in extra-pulmonary samples</td>
<td>1,659</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>2,66,986</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Specific Test</th>
<th>No. of test</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Detection of Hepatitis B virus surface antigen</td>
<td>19,085</td>
</tr>
<tr>
<td>2</td>
<td>Detection of Hepatitis C virus antibody</td>
<td>18,648</td>
</tr>
<tr>
<td>3</td>
<td>Screening of Syphilis by RPR testing</td>
<td>7,124</td>
</tr>
<tr>
<td>4</td>
<td>Diagnosis of Enteric fever</td>
<td>1,443</td>
</tr>
<tr>
<td>5</td>
<td>Detection of ASO / CRP / RF</td>
<td>4,929</td>
</tr>
<tr>
<td>6</td>
<td>TORCH</td>
<td>66</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>51,295</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Specific Test</th>
<th>No. of test</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Demonstration of malaria parasites in Peripheral Blood Smears</td>
<td>2,457</td>
</tr>
<tr>
<td>2</td>
<td>Detection of protozoa &amp; helminthes ova in stool</td>
<td>1,390</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>3,847</strong></td>
</tr>
</tbody>
</table>
2. Microbiological Surveillance conducted for ICUs & OTs = 331 nos.

Most of the isolates were Coagulase Negative Staphylococci and Aerobic Spore bearing Bacilli.

3. Designated Microscopic Centre (DMC) :- Started since May, 2008 under RNTCP for demonstration of Acid Fast Bacillus in the sputum samples from both the OPD and IPD patients. Following data were obtained during the reporting period :-

<table>
<thead>
<tr>
<th></th>
<th>OPD cases</th>
<th>IPD cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total No. of cases</td>
<td>2392</td>
<td>1259</td>
</tr>
<tr>
<td>New Cases</td>
<td>1118</td>
<td>1153</td>
</tr>
<tr>
<td>Old Cases</td>
<td>10</td>
<td>39</td>
</tr>
<tr>
<td>Relapse cases/others</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>Total OPD cases</td>
<td>1153</td>
<td>1259</td>
</tr>
<tr>
<td>New Cases</td>
<td>1195</td>
<td>1195</td>
</tr>
<tr>
<td>Old Cases</td>
<td>39</td>
<td>39</td>
</tr>
<tr>
<td>Relapse cases/others</td>
<td>25</td>
<td>25</td>
</tr>
</tbody>
</table>

DMC (RNTCP) Report w.e.f. April, 2014 to March, 2015

<table>
<thead>
<tr>
<th></th>
<th>OPD +ve cases</th>
<th>IPD +ve cases</th>
<th>Total +Ve cases</th>
<th>Repeat sputum examination cases</th>
<th>Follow up cases</th>
<th>Positivity rate (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>New +ve cases</td>
<td>66</td>
<td>25</td>
<td>58</td>
<td>25</td>
<td>46</td>
<td>3</td>
</tr>
<tr>
<td>Old +ve cases</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>3</td>
<td>93</td>
</tr>
</tbody>
</table>

4. Integrated Counselling & Testing Centre (ICTC) :- Started functioning since August, 2008 under NACO, Govt. of India. Extended the services to both the Self-Referred and Institutional Referred Clients as a part of prevention and control of HIV transmission.

During the reporting period following services were provided to the Clients for awareness,
counseling, testing for sero-status and referring to Anti-Retroviral Therapy (ART) Centre for further relevant lab. investigations, management and follow up activity. :-
Annual Report of ICTC, NEIGRIHMS, w.e.f. April 2014 – March, 2015

<table>
<thead>
<tr>
<th>Total Clients</th>
<th>Total Test Done</th>
<th>Total Positive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gen</td>
<td>ANC</td>
<td>Total</td>
</tr>
<tr>
<td>6157</td>
<td>1166</td>
<td>7323</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HIV TB Collaboration</th>
<th>ART Referral</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICTC to RNTCP(%)</td>
<td>RNTCP to ICTC (%)</td>
</tr>
<tr>
<td>2(0.03)</td>
<td>53(0.9)</td>
</tr>
</tbody>
</table>

5. **State Reference Laboratory (SRL)**: NACO identified the Deptt. of Microbiology, NEIGRIHMS as SRL on External Quality Assessment Scheme in HIV testing for the State of Meghalaya. The SRL started the EQAS activity by analyzing sera received on Quarterly basis from various ICTCs including Blood Banks of the State and Panel sera from the National Reference Laboratory (NRL) at NICED, Kolkata since May, 2009 as part of Proficiency Testing.

**EQAS activity conducted during April, 2014 to March, 2015**

<table>
<thead>
<tr>
<th>No. of ICTCs under SRL, NEIGRIHMS</th>
<th>No. of Blood Banks under SRL, NEIGRIHMS</th>
<th>Test on the samples received from ICTCs &amp; Blood Banks as a part of EQAS</th>
<th>% of discordance detected.</th>
<th>Samples sent to NRL (NICED), Kolkata as a part of EQAS</th>
<th>% of concordant</th>
<th>No. of Tests on Panel sera received from NRL (NICED), Kolkata as a part of Proficiency Testing</th>
<th>% of concordant</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>05</td>
<td>432</td>
<td>0.46%</td>
<td>NIL</td>
<td>NIL</td>
<td>16</td>
<td>100%</td>
</tr>
</tbody>
</table>
As a part of development of human resource in the field of HIV testing in Meghalaya, the SRL also conducted Training / Workshops for Laboratory Technicians of various ICTCs, 24 x 7 PHCs/CHCs and Blood Banks during the reporting period. Special emphasis was made on Biosafety, EQAS and Proficiency Testing, Total Quality Management, Detection of HIV infection & Interpretation of results and SOP in these Training / Workshop with following details:

**Trainings/Workshops conducted by the SRL, NEIGRIHMS**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Training/Workshops</th>
<th>No. of Participating Centres</th>
<th>No. of Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>One day “SRL Workshop on EQAS in HIV Testing for ICTC Lab. Techs. in the State of Meghalaya” on 8th December 2014.</td>
<td>16 nos.</td>
<td>16 nos.</td>
</tr>
<tr>
<td>2</td>
<td>One day “SRL Workshop on EQAS in HIV Testing for ICTC &amp; Blood Bank Lab. Techs. in the State of Meghalaya” on 25th March 2015.</td>
<td>21 nos.</td>
<td>21 nos.</td>
</tr>
</tbody>
</table>

**DEPARTMENT OF NEUROLOGY**

**FACULTY**

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Current status</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>1</td>
<td>-</td>
<td>Vacant</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>1</td>
<td>1</td>
<td>Dr. Shri Ram Sharma</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>2</td>
<td>1</td>
<td>Dr. M. Hussain</td>
</tr>
</tbody>
</table>

**Education:**

- Undergraduate classes
- Neuroradiology weekly seminar
- Training Program for Senior Resident/Junior Residents
- Observership for DNB students (Nominated from designated hospitals)

**CMEs/Workshops/Symposia/National and International Conference:**

- Neurology Colloquium, New Delhi 2015
- Child Neurocon 2015 KOLKATA
- International Neuropupdate 2015, Jaipur
- India –UK Seminar 2015
- International Neurology Update 2015-Sleep and the Neurologist Mumbai

**List of oral papers/posters presented:**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Authors</th>
<th>Title of presentation</th>
<th>Name of the Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Shri. Ram. Sharma</td>
<td>Bio-Repository of DNA In Stroke (BRAINS): A study protocol involving Three ancestral populations</td>
<td>Annual day NEIGRIHMS</td>
<td>4 March 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
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</table>

**Research:**

*Funded project: Ongoing*

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of the project</th>
<th>Name of Principal investigator</th>
<th>Funded by (Name of funding agency)</th>
<th>Duration (Year)</th>
<th>Start Year-End year</th>
<th>Total funds sanctioned (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Bio-Repository of DNA In Stroke (BRAINS): A study protocol involving Three ancestral populations</td>
<td>Dr. Shri. Ram. Sharma</td>
<td>DBT, GOI</td>
<td>3 years</td>
<td>2014</td>
<td>8 lacs</td>
</tr>
<tr>
<td>2</td>
<td>A hospital based study</td>
<td>Dr. M. Hussain</td>
<td>ICMR</td>
<td>2 years</td>
<td></td>
<td>Awaiting</td>
</tr>
</tbody>
</table>
of stroke in a tertiary care centre and the study of antiplatelet effect of aspirin in patients with ischemic stroke

Collaborative projects

*Ongoing*

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of the project</th>
<th>Collaborating department/institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Evaluation of loop mediated isothermal amplification and polymerase chain reaction in clinically confirmed Neurocysticocercosis patients</td>
<td>Microbiology Department, NEIGRIHMS</td>
</tr>
</tbody>
</table>

Patient Care:

- OPD’s clinics attended per month: 26 days per month
- IPD duties assigned and done per month
- Procedures/surgeries undertaken: Botox, tpa, NCV, EMG, EP
- New techniques developed: Botox, tpa
- New Services started Creation of disease management Programs for care-continuum: new department started
- Destination programs (High excellence): fellowship in movement disorder, start DM courses
- Interdisciplinary clinical treatment that are pace setters for other systems to adopt: neuroradiology, neuropathology, neurorehabilitation, neuroophthalmology, neurotology etc
- Development of new models/care delivery methods: mobile stroke unit, autonomic Function testing laboratory
DEPARTMENT OF NEUROSURGERY

FACULTY

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</tr>
<tr>
<td>Associate Professor</td>
<td>1</td>
<td>-</td>
<td>Vacant</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>2</td>
<td>1</td>
<td>Dr. Arindom Kakoti</td>
</tr>
</tbody>
</table>

Highlights: Neurosurgery OPD was started functioning from April 2013 and is located in the second floor of the Hospital building Room no.202,203,204, OPD functions on all days except Sundays and notified holidays.
Timings are 9:00AM to 4:00Pm from Monday to Saturday.
Average attendance, 25 cases per OPD day both old and new.
Emergency Services: Round the clock on all days, with SRD, JRD and consultant on call
Operation days: Monday and Wednesday, average 2 cases per OT day.

Education:

CMEs/Workshops/Symposia/National and International Conferences:
Name of Faculty member: Dr. Arindom Kakati
1. Basic Course Workshop in Medical Education Technologies from 4 – 6th December 2014 in KGMC, Lucknow.
3. 4th International Neurosurgery Update 6th – 8th June 2014 in PD Hinduja Hospital, Mumbai.

Lectures delivered at CMEs, National and International Conferences:

Name of Faculty member:

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr Arindom Kakati</td>
<td>Basic Course Workshop in Medical Education Technologies</td>
<td>4-6th December 2014</td>
<td>KGMC, Lucknow</td>
<td>Lucknow</td>
</tr>
<tr>
<td>2</td>
<td>Dr Arindom Kakati</td>
<td>Neurotrauma Conference</td>
<td>August 2014</td>
<td>Kalakhshetra</td>
<td>Guwahati</td>
</tr>
<tr>
<td>3</td>
<td>Dr Arindom Kakati</td>
<td>4th International Neurosurgery Update</td>
<td>6-8th June 2014</td>
<td>P D Hinduja Hospital</td>
<td>Mumbai</td>
</tr>
</tbody>
</table>
Patient Care: Neurosurgery ward was started from June 2013. The 22 bedded ward is situated below the ground floor of the main Hospital building in the right wing of the Hospital. Those patients requiring intensive care are managed in the Intensive Care Unit of the Hospital, under the aegis of the Anaesthesia Department and Paediatric patients requiring intensive care are managed in the Paediatric Intensive Care Unit under the Aegis of the Paediatric Department. All admissions are made in the name of the unit in charge, by the Senior Resident Doctors in consultation with the Neurosurgery consultant.

Departmental Statistics:

<table>
<thead>
<tr>
<th></th>
<th>No. of Patients Male</th>
<th>No. of Patients Female</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPD Attendance</td>
<td>1511</td>
<td>973</td>
<td>2484</td>
</tr>
<tr>
<td>Ward Admission</td>
<td>456</td>
<td>201</td>
<td>657</td>
</tr>
<tr>
<td>Routine OT</td>
<td>114</td>
<td>62</td>
<td>176</td>
</tr>
<tr>
<td>Emergency OT</td>
<td>79</td>
<td>37</td>
<td>153</td>
</tr>
<tr>
<td>ICU Admission</td>
<td>226</td>
<td>53</td>
<td>279</td>
</tr>
<tr>
<td>Emergency Admission</td>
<td>438</td>
<td>171</td>
<td>609</td>
</tr>
</tbody>
</table>
**DEPARTMENT OF OPHTHALMOLOGY**

**FACULTY**

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Current status</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>1</td>
<td>1</td>
<td>Dr. P.K. Goswami</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>1</td>
<td>1</td>
<td>Dr. Tanie Natung</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>2</td>
<td>2</td>
<td>Dr. Lanalyn Thangkhiew</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dr. Benjamin Nongrum</td>
</tr>
</tbody>
</table>

**HIGHLIGHTS:**

I. Eye OPD:
Department of Ophthalmology runs OPD from Monday to Saturday. The average attendance of patients for 2014 to 2015 is 1511 per month. Specialty clinics viz. the ‘Medical Retina Clinic’ and ‘Squint Clinic’ are being conducted every Thursday (I/C - Dr. T. Natung) and Glaucoma Clinic every Wednesday (Dr. B. Nongrum with Dr. L. Thangkhiew).

II. Eye O.T. –
Eye operations like Phacoemulsification and SICS, Strabismus surgeries, Trabeculectomy, Dacryocystorhinostomy, Oculoplasty and Orbit cases are routinely done. Injury cases are common and repaired accordingly.

III. Eye Ward:
A 10 (ten) bedded Eye Ward for both male and female patients.

**EDUCATION:**
Undergraduate MBBS course is provided for 2nd and 3rd year students. Classes are held for theory twice a week, clinics daily, demonstration classes twice a week. Apart from that, Undergraduate seminar is held on alternate Saturday.
Theory classes for the Bsc. Nursing students are conducted and bedside clinics were also held.

Classes, case discussions and departmental CMEs were held every month in the department. The department also took active participation in the interdepartmental CMEs conducted every Saturday.

**CMEs/Workshops/Symposia/National and International Conference:**
Organised a Local CME on the topic “Oculoplasty” on 8th August, 2014 at NEIGRIHMS. Dr. Ruchi Goel, Professor of Ophthalmology, Guru Nanak Eye Centre, Maulana Azad Medical College, New Delhi was the Guest Speaker. Ophthalmologists from Meghalaya and nearby Assam participated in the CME.

**Lectures delivered at CMEs, National and International Conferences**

<table>
<thead>
<tr>
<th>Name of Faculty member: Dr. Tanie Natung</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sl. No.</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>3.</td>
</tr>
<tr>
<td>5.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of Faculty member: Dr. Benjamin Nongrum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sl. No.</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>1.</td>
</tr>
</tbody>
</table>

| Name of Faculty member: Dr. Lanalyn Thangkhiew |
Dr. L. Thangkhiew attended the following Workshop/CME

1. Basic course in Medical Education Technology held at KGMC, Lucknow, U.P. from 18th – 20th September, 2014
2. Participated as Resource Person during the Basic Course for Workshop in Medical Education Technology held at NEIGRIHMS from 26th – 28th March, 2015.
3. CME on “Complication of Diabetes & Diabetic Retinopathy” organised by Bansara Eye Care Centre at Shillong on 8th Nov. 2014.

List of oral papers/posters presented

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Authors</th>
<th>Title of presentation</th>
<th>Name of the Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Natung T, Keditsu A.</td>
<td>Comparison of serum cortisol and testosterone levels in acute and chronic central serous chorioretinopathy</td>
<td>46th Ophthalmological Society of Assam Annual Conference</td>
<td>17-18th October, 2014</td>
<td>Dibrugarh</td>
<td></td>
</tr>
</tbody>
</table>

Research: Departmental projects (including thesis/dissertations) Ongoing

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Title of project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sutureless, Glue-less Conjunctival Autograft versus Conjunctival Autograft with Sutures in Primary Pterigium Surgery: a Randomized Clinical Trial.</td>
</tr>
<tr>
<td>2</td>
<td>Comparison of 2 drops Vs 3 drops proparacaine 0.5% drops for phacoemulsification surgery. A comparative study.</td>
</tr>
</tbody>
</table>
3. “Comparison of the iCare Rebound Tonometer with Goldman Applanation Tonometer in Refractive Errors”

Completed

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Title of project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Normal Macular Thickness in Healthy Indian Eyes using Spectral-Domain Optical Coherence Tomography</td>
</tr>
</tbody>
</table>

**Patient Care:**
The department of Ophthalmology runs OPD six days a week from Monday to Saturday. O.T. days are on Tuesdays and Fridays. Cross references of all departments from OPDs, wards, Casualty, ICU, CCU and PICU are attended to every day. Emergency services are provided 24 hrs a day every day.

**OPD attendance**

<table>
<thead>
<tr>
<th></th>
<th>New Male</th>
<th>Female</th>
<th>Old Male</th>
<th>Female</th>
<th>Referral Male</th>
<th>Female</th>
<th>Total</th>
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<tr>
<td>New</td>
<td>3292</td>
<td>3857</td>
<td>3280</td>
<td>4271</td>
<td>1649</td>
<td>1788</td>
<td>18137</td>
</tr>
</tbody>
</table>

**O.T. attendance:**

<table>
<thead>
<tr>
<th></th>
<th>Male</th>
<th>Female</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>225</td>
<td>275</td>
<td>500</td>
</tr>
</tbody>
</table>

**Eye Ward attendance:**

<table>
<thead>
<tr>
<th></th>
<th>Male</th>
<th>Female</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>238</td>
<td>308</td>
<td>546</td>
</tr>
</tbody>
</table>

**Awards, Honours and significant events:**
Dr. Natung is a Reviewer of International Journal of Ophthalmology.
The Orthopaedics department has emerged as a regional leader in the field of Joint Replacement Surgery, Arthroscopic knee Surgery, complex trauma management and Deformity correction in the government sector. Ceramic on Ceramic hip Replacement and bilateral Reverse hybrid Total hip Replacement successfully performed this year; the first of its kind for Meghalaya. State of the art ‘Anatomical’ ACL reconstruction for sports injuries by Key-hole (Arthroscopy) has been started this year. Due to high output in academics, research and clinical works throughout the year, several awards were conferred by NEIGRIHMS authority this year to inspire: Dr Bhaskar Borgohain (Academic Excellence Award 2014-15), Dr. Sharat Agarwal (Second Best Research publication: 2014-15), Dr Tashi Khonglah (Best attendance: Clinical Grand Rounds 2014), Sanjay Kumar (Best Technician: 2014). Sister Jenifer (Best Nursing Staff: 2014). Physiotherapy, Occupational Therapy and Artificial limb Centre team is offering commendable rehabilitation services. The department started revolving fund with administration for bringing transparency in implant surgeries. The Orthopaedic ward (30 bedded) and OPD are conveniently located in the ground floor. The average Bed occupancy rate was 90%. The OPD runs on Tuesday, Thursday, Friday and Saturday and Elective OT (ground floor) runs on Monday and Wednesday. The department is providing prompt emergency Trauma care including emergent surgeries round the clock.

Undergraduate: MBBS Teaching- Clinical, Theory, B.Sc. Nursing Scheduled Classes

Postgraduate: Proposal to start PG programme (MS) taken up in Academic council

Training: Internship to MBBS ongoing, BPT (Physiotherapy) internship Proposal submitted.

Innovative educational activities:
- Early exposure to Research methodology and Biomaterial Research through workshop
- Medical Education training for all orthopaedic faculty to improve teaching-learning
- Orthopaedics-Radiology Meet to ensure cross-over, information sharing and gap reduction
- The department expedited two way interaction in Clinical Grand rounds, Mortality meet, CPC and IEC activities for Disaster management
- Ensuring BLS Training for doctors and staff, etc

**CMEs/Workshop/Symposia/National and International conference**

organized by the department

<table>
<thead>
<tr>
<th>Name of Event</th>
<th>Date</th>
<th>City held at</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1.</strong> CRE on “Trends on Rehabilitation Therapy and Inclusive development” supported by United States Agency for International Development (USAID) &amp; Mobility India. Organizing Chairman: Dr. B. Borgohain</td>
<td>September 27-29 2014</td>
<td>NEIGRIHMS, Shillong</td>
</tr>
<tr>
<td><strong>2.</strong> “Symposia on Research Methodology and Biomaterials in Human applications” Supported by DBT and NEIGRIHMS Organizing Chairman: Dr. B. Borgohain</td>
<td>March 20 &amp; 21 2015</td>
<td>NEIGRIHMS, Shillong</td>
</tr>
<tr>
<td><strong>3.</strong> Dr. S. Agarwal: Chairperson at CGR.</td>
<td>June 2014</td>
<td>NEIGRIHMS, Shillong</td>
</tr>
<tr>
<td><strong>4.</strong> Dr. B. Borgohain: Chairman at CGR</td>
<td>April 2014</td>
<td>NEIGRIHMS, Shillong</td>
</tr>
<tr>
<td><strong>5.</strong> Dr. S. Agarwal and Dr. Tashi G. Khonglah conducted and Orthopaedic Camp on “Bone &amp; Joint Day” under the aegis of OSS.</td>
<td>August 4 2014</td>
<td>Bhoilymbong CHC, Meghalaya</td>
</tr>
<tr>
<td>Sl. No</td>
<td>Title of Talk</td>
<td>Name of CME/Conference</td>
</tr>
<tr>
<td>--------</td>
<td>-------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------</td>
</tr>
<tr>
<td>1</td>
<td>Fatigue Analysis of Ortho Joints and Bio Composite Material</td>
<td>Course on “Recent Advancements in Composites”</td>
</tr>
<tr>
<td>2</td>
<td>Biomaterials in Orthopaedics” &amp; Orthopaedic Biomaterial including bone substitute”</td>
<td>QIP lecture (PhD Programme)</td>
</tr>
<tr>
<td>5</td>
<td>Trends on Rehabilitation Therapy and Inclusive development</td>
<td>Regional CRE -2015</td>
</tr>
<tr>
<td>6</td>
<td>Epidemiology, natural history &amp; treatment outcome of major orthopaedic diseases of the North Eastern Region (India) for clinical translational research</td>
<td>State of the art seminar for PhD Thesis work</td>
</tr>
<tr>
<td>7</td>
<td>Epidemiology, natural history &amp; treatment outcome of major orthopaedic diseases of the North Eastern Region (India) for clinical translational research</td>
<td>Annul Progress seminar for PhD Thesis</td>
</tr>
<tr>
<td>8</td>
<td>The challenges of treating Tuberculosis of spine</td>
<td>International 2014 ICDBT/ International conference on Disease Biology &amp; Therapeutics</td>
</tr>
<tr>
<td>9</td>
<td>Patient safety seminar (WHO Model)</td>
<td>Institute level</td>
</tr>
<tr>
<td>10</td>
<td>Fracture geometry in distal radius as a predictor of concomitant injury</td>
<td>Research presentation programme</td>
</tr>
</tbody>
</table>
1. Open fractures
2. Unstable pelvic fracture
3. The diagnosis of a tumour like bone lesion

Institute Saturday CGR / CPC/ mortality meet/ Must know procedures
BETWEEN APRIL 2014- March 2015
NEIGRIHMS
Shillong

Orthopaedic-Radiology inter-departmental meet
Institute June , 2014
Radiological evaluation in total joint replacement
NEIGRIHMS
Shillong

Name of Faculty member: Dr. Sharat Agarwal

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Title of Talk</th>
<th>Name of CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Media in Medical Education</td>
<td>MCI Basic Course Workshop on MET</td>
<td>26-28 March 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>2</td>
<td>Backache, Osteoarthritis and common Pediatric Orthopaedic Problem in Children</td>
<td>All India Radio</td>
<td>11 July 2014</td>
<td>All India Radio studio</td>
<td>Shillong</td>
</tr>
<tr>
<td>3</td>
<td>'Live' interactive session for audience</td>
<td>All India Radio</td>
<td>24th October 2014</td>
<td>All India Radio studio</td>
<td>Shillong</td>
</tr>
</tbody>
</table>

List of oral papers/Poster presented

<table>
<thead>
<tr>
<th>Sl.</th>
<th>Authors</th>
<th>Title of presentation</th>
<th>Name of conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. S. Agarwal:</td>
<td>‘Use of Media in Medical Education’</td>
<td>CME by Medical Education Unit.</td>
<td>28th June ‘2014</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
</tbody>
</table>

Research Funded Project: Ongoing

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Title of the Project</th>
<th>Name of Principal</th>
<th>Funded by (Name of)</th>
<th>Start year-</th>
<th>Total funds sanctioned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sl. No</td>
<td>Title of Project</td>
<td>Investigator</td>
<td>funding agency</td>
<td>End year</td>
<td>(Rs.)</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-------------------------------------</td>
<td>----------------</td>
<td>------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>1</td>
<td>“Developing light weight, durable and user friendly artificial limbs through Nanotechnology-based modification of conventional materials and optimizing mechanical component design for enhancing their functional performance”</td>
<td>Dr Bhaskar Borgohain And Dr. S. Kanagraj, IIT Guwahati</td>
<td>DBT</td>
<td>Started on 2012, End year 2015</td>
<td>56 Lakhs</td>
</tr>
<tr>
<td>2</td>
<td>Study of Prevalence demographic profile and risk factors for osteoporosis in a tertiary care Hospital, NEIGRIHMS</td>
<td>Dr. Sharat Agarwal</td>
<td>Applying in process for funding by DBT</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Departmental projects (including thesis/dissertations)**

**Ongoing**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Title of Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pattern of Analgesic Utilization in Outpatient setting of a tertiary care Hospital, NEIGRIHMS” (On going)</td>
</tr>
<tr>
<td>2</td>
<td>Epidemiology, natural history &amp; treatment outcome of major orthopaedic diseases of the North Eastern Region (India) for clinical translational research</td>
</tr>
<tr>
<td>3</td>
<td>Microbiological profile in musculoskeletal tuberculosis among the patients attending tertiary health care centre in north-eastern India</td>
</tr>
<tr>
<td>4</td>
<td>Value of MRI evaluation of the knee joint in football related sports injuries</td>
</tr>
<tr>
<td>5</td>
<td>Assessment of the problem of Osteoporosis among reproductive female in hospital based study</td>
</tr>
<tr>
<td>6</td>
<td>Comparative Study Between Efficacy of Cooled Radiofrequency Ablation of Lateral sacral Branch of Sacroiliac Joint Vs Intra-articular Steroid Injection in patients with Chronic low Back Pain due to Sacro-iliac joint Dysfunction (To be started)</td>
</tr>
<tr>
<td>7</td>
<td>Evaluation of intra-articular injection of platelet rich plasma in the management of Chronic Low Back Pain due to Facet Arthropathy (To be started)</td>
</tr>
<tr>
<td>8</td>
<td>A Comparative study between plate osteosynthesis and conservative management in Fracture Clavicle at NEIGRIHMS, Shillong. (To be started)</td>
</tr>
</tbody>
</table>

**Competed**
<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Title of Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>“A prospective NEIGRIHMS hospital based study of Pediatric Orthopaedic problems”</td>
</tr>
</tbody>
</table>

**Collaborative Projects**

**Ongoing**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Title of Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>“Developing light weight, durable and user friendly artificial limbs through Nanotechnology-based modification of conventional materials and optimizing mechanical component design for enhancing their functional performance” <em>(On going)</em></td>
</tr>
</tbody>
</table>

DBT funded twinning project with IIT Guwahati

**Patient care:**

The Orthopaedics department has emerged as a regional leader in the field of Joint Replacement Surgery, Arthroscopic knee Surgery, complex trauma management and Deformity correction in the government sector. Ceramic on Ceramic hip Replacement and bilateral reverse hybrid Total hip Replacement successfully performed this year. Due to high output in clinical works, awards were conferred by NEIGRIHMS authority this year to inspire the human resource team of the orthopaedics & Trauma department. The notable facilities available are: Instrumentations for Total hip replacement, Total knee replacement, C-arm & Radiolucent OT table; Instrumentations for deformity correction using Ilizarov apparatus, Spine surgery (TLIF/PLIF etc); Dedicated Sports injury Clinic (Knee and Ankle joint Arthroscopy), Paediatric Orthopaedic Clinic; Alpha mattress beds, SCD Pump for DVT Prevention, advanced Physiotherapy unit (Tilt Table, Microwave diathermy, Hubert tank, TENS etc), occupation therapy facility and artificial limb centre.

**Awards, Honours and significant events:** Dr. Bhaskar Borgohain

1. **Academic Excellence Award** 2014-15 conferred by NEIGRIHMS authority
2. **AO Fellowship** from BG Trauma Centre Germany
3. Inducted as **Editorial Board Member**, Indian journal of orthopaedics (Pubmed)
4. External examiner to Delhi University for MBBS exam, New Delhi.
6. One of the Best original Research paper award for 2014-15, Annual Day NEIGRIHMS
7. Member, State task force for control of Tuberculosis, Meghalaya
8. Member, Board of Study for Professional Courses, N.E.H.U.

Reviewer of Journal: Dr. Bhaskar Borgohain

- Journal of Clinical Orthopaedics and Trauma, Official publication of the Delhi Orthopaedic Association; indexed in PubMed
- BMJ Case report (British)

Significant events: Dr. Bhaskar Borgohain

- Discharged responsibilities as Deputy Medical Superintendent, i/c Emergency Department and i/c CSSD Department.
- Organizing Secretary: Institute Annual day Research presentation
- Chief Editor of the editorial board of the North East Orthoscan, the official journal of North-East Regional Orthopaedic Surgeons’ Association (NEROSA)
- Member, Institutional Committees: Internal purchase committee, Transfusion Committee, Quarter allotment committee, Disaster Management Committee, Official language implementation committee, Hospital Diet committee etc.
- Editor: Research compendium 2015 (Research methodology & Biomaterials)
Awards, Honours and significant events: Dr. Sharat Agarwal

1. Award for 2nd Best Publication on ‘3rd Annual Day Celebration of NEIGRIHMS’ (5th March’2015)
2. Executive Member (East Zone) Pediatric Orthopedic Society of India (POSI) - 2014-2016
3. Dr. S. Agarwal: Chaired the Guest lecture on ‘Drug Safety’ by Faculty from PGIMER, Chandigarh in the CME on ‘Pharmacovigilance’ organized by Department of Pharmacology, under the aegis of Indian Pharmacopoeia Commission, Ministry of Health & Family Welfare, Government of India
4. Secretary Orthopedic Society Shillong (OSS) 2014 onwards
5. Member ‘International Board of Editors’ of peer reviewed international Pubmed indexed ‘Electronic Physician Journal’
6. Member ‘Editorial board’ of NEIGRIHMS Journal of Health & Medical Sciences
7. Member, O.T user committee, NEIGRIHMS, Shillong

Awards, Honours and significant events: Dr. Tashi Galen Khonglah
1. Attended MCI Basic course workshop on MET on 26-28 March 2015 at NEIGRIHMS
2. Organizing Secretary of “Symposia on Research Methodology and Biomaterials in Human applications” Supported by DBT and NEIGRIHMS held on 20\textsuperscript{th} and 21\textsuperscript{st} March 2015.
3. Attended NEORSA Mid Term CME on Hand Injuries on 14\textsuperscript{th} Sept. 2014.
4. Awarded for Best attendance among faculty : Clinical Grand Rounds 2014

**Visiting Scientist:**

- **Prof. P.S.Robi, IIT** Professor of Mech. Eng. & Former Dean (R& D), IIT Guwahati
- **Dr Utpal Bora, PhD** Professor, Biotechnology, IIT G
- **Dr S. Kanagaraj, PhD.** Assoc. Professor Deptt. of Mechanical Engineering, IIT G
- **Dr P. Sukumar, MBBS, PhD.** Asst. Professor, Deptt. of Biotechnology, IIT G
- **Dr Karuna Kalita, PhD.** Associate Professor, Deptt. of Mechanical Engineering, IIT G
- **Dr Hiranya Saikia, PhD.** Sr. Lecturer of Biostatistics, Deptt of Community Medicine, Assam Medical College, Dibrugarh
- **Nitin Sahai,** Faculty, Biomedical Engineering, NEHU, Shillong

**OPD ATTENDANCE**

<table>
<thead>
<tr>
<th></th>
<th>Male</th>
<th>Female</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>9919</td>
<td></td>
<td>9196</td>
<td>19115</td>
</tr>
</tbody>
</table>

**Name and No. of Operations and procedures (O.T)**
Patients attending Orthopaedic OPD for intervention
(Minor procedures) from 1st April 2014 to 31st March 2015

<table>
<thead>
<tr>
<th>Month</th>
<th>2014-15</th>
<th>Injections: joint/intraskeletal</th>
<th>Joint Aspiration</th>
<th>Wound DRESSING</th>
<th>Stitch Removal</th>
<th>Club foot corrections/CTEV</th>
<th>Crepe bandage application</th>
<th>POP Casts</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>159</td>
<td>91</td>
<td>448</td>
<td>71</td>
<td>25</td>
<td>1014</td>
<td></td>
<td>588</td>
<td>632</td>
</tr>
</tbody>
</table>

No. of Emergency OT performed : 120

ADMISSION

No. of Indoor Patients admitted in Orthopaedics and Trauma

<table>
<thead>
<tr>
<th>Month</th>
<th>Trauma/Dislocation</th>
<th>Joint replacement</th>
<th>Spine</th>
<th>Arthroscopy</th>
<th>Deformity correction</th>
<th>Joint Infection</th>
<th>Tumour</th>
<th>Minor procedures</th>
<th>Amputations</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fracture Fixation</td>
<td>Soft tissue injury/Skin grafting</td>
<td>Hip &amp; Knee replacement</td>
<td>Fracture</td>
<td>Disc surgery</td>
<td>Diagnostic/others</td>
<td>ACL reconstruction</td>
<td>Meniscectomy</td>
<td>Arthroscopy I &amp; d</td>
<td>Osteomyelitis</td>
<td>Soft Tissue infection</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Admissions, Operations, MLC (Medico-legal case) and Death

<table>
<thead>
<tr>
<th>Month</th>
<th>Male</th>
<th>Female</th>
<th>New Admission</th>
<th>Operations done</th>
<th>Medico Legal Case</th>
<th>No. of deaths In ward</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>336</td>
<td>157</td>
<td>493</td>
<td>307</td>
<td>152</td>
<td>3</td>
</tr>
</tbody>
</table>

### SPORT INJURY & ARTHROSCOPY CLINIC (SIAC) REPORT

**Clinic Head: Dr. Bhaskar Borgohain**

<table>
<thead>
<tr>
<th>SL.NO</th>
<th>GAMES</th>
<th>NO OF PATIENTS REGISTERED</th>
<th>INJURY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Football</td>
<td>170</td>
<td>Knee injury: 45</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ankle injury: 23</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Leg pain and hip pain: 25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Shoulder, LBA &amp; foot: 7</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Elbow, hand &amp; chest injury: 7</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Medical fitness exam only: 35</td>
</tr>
<tr>
<td>2.</td>
<td>Basketball</td>
<td>13</td>
<td>Finger injury: 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Knee pain: 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ankle injury: 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Others: 3</td>
</tr>
<tr>
<td>3.</td>
<td>Cricket</td>
<td>7</td>
<td>Finger and wrist injury: 5</td>
</tr>
</tbody>
</table>
A total of 210 patients were registered under the **SIAC Clinic** out of which the majority was Football related injuries with knee injuries being the most common.

The age group range was from 10-41 yrs.

Many football players were from **Football Clubs** of Shillong, besides others.

Arthroscopies of the Knee & Ankle Joints were done when indicated.

**Physiotherapy and Rehabilitation Activity:**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>Shoulder and knee:</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.</td>
<td>Athlete</td>
<td>6</td>
<td>Miscellaneous</td>
</tr>
<tr>
<td>5.</td>
<td>Boxing</td>
<td>4</td>
<td>Shoulder and hand pain</td>
</tr>
<tr>
<td>6</td>
<td>Badminton</td>
<td>3</td>
<td>Miscellaneous</td>
</tr>
<tr>
<td>6</td>
<td>Others</td>
<td>7</td>
<td>Miscellaneous</td>
</tr>
</tbody>
</table>

**Detail statistics including usage of Physio equipments**

<table>
<thead>
<tr>
<th>Physiotherapy for O.P. D</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home exercise Programme . (Guidance /Demonstration)</td>
<td>5256</td>
</tr>
<tr>
<td>TENS Therapy Machine</td>
<td>788</td>
</tr>
<tr>
<td>Manual Therapy/Mobilization</td>
<td>2683</td>
</tr>
<tr>
<td>Ultra Sound Therapy</td>
<td>2685</td>
</tr>
<tr>
<td>IFT</td>
<td>4814</td>
</tr>
<tr>
<td>MWD/ Microwave Diathermy</td>
<td>1341</td>
</tr>
<tr>
<td>Continuous Passive Motion</td>
<td>123</td>
</tr>
</tbody>
</table>
Physiotherapy unit in NEIGRIHMS is functioning for optimum physical rehabilitation of patients, both in indoor and for outdoor in a disabled friendly environment with six physiotherapists sophisticated equipment based, as well as manual therapy techniques, are being employed. The physiotherapists of the unit are involved in evidence based practices and academics.
<table>
<thead>
<tr>
<th>Modality</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bed side Therapy</td>
<td>4318</td>
</tr>
<tr>
<td>MST (Faradic)</td>
<td>54</td>
</tr>
<tr>
<td>Ultra sound therapy</td>
<td>58</td>
</tr>
<tr>
<td>IFT</td>
<td>162</td>
</tr>
<tr>
<td>Tilt Table</td>
<td>122</td>
</tr>
<tr>
<td>Tens therapy</td>
<td>19</td>
</tr>
<tr>
<td>MWD /Microwave Diathermy</td>
<td>3</td>
</tr>
<tr>
<td>CPM (Continuous Passive Motion)</td>
<td>3</td>
</tr>
<tr>
<td>SWD (Short Wave Diathermay)</td>
<td>6</td>
</tr>
<tr>
<td>Parallel Bar</td>
<td>67</td>
</tr>
<tr>
<td>Static Cycle</td>
<td>60</td>
</tr>
<tr>
<td>Hot pack</td>
<td>211</td>
</tr>
<tr>
<td>Pulley (Shoulder)</td>
<td>38</td>
</tr>
<tr>
<td>Rowing</td>
<td>30</td>
</tr>
<tr>
<td>Wax</td>
<td>27</td>
</tr>
<tr>
<td>Total</td>
<td>5178</td>
</tr>
</tbody>
</table>
### Occupational Therapy Annual Report from 1\(^{st}\) April, 2014 to 31\(^{st}\) March, 2015

<table>
<thead>
<tr>
<th>Cases</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Back Ache</td>
<td>1382</td>
</tr>
<tr>
<td>PIVD/ T.B. Spine/</td>
<td>278</td>
</tr>
<tr>
<td>Neck pain/</td>
<td>867</td>
</tr>
<tr>
<td>Cevical Spondylosis/</td>
<td>334</td>
</tr>
<tr>
<td>Low Back Pain with Knee Osteoarthritis</td>
<td>527</td>
</tr>
<tr>
<td>Inflammatory Arthritis/Polyarthralgia</td>
<td>452</td>
</tr>
<tr>
<td>Knee pain/ Sports related injuries</td>
<td>485</td>
</tr>
<tr>
<td>Osteoarthritis/Knee</td>
<td>548</td>
</tr>
<tr>
<td>Shoulder/Elbow/ pain</td>
<td>425</td>
</tr>
<tr>
<td>Hand Injuries</td>
<td>508</td>
</tr>
<tr>
<td>Cerebral/Palsy/</td>
<td>42</td>
</tr>
<tr>
<td>Delayed Milestones</td>
<td></td>
</tr>
<tr>
<td>Post encephalitis sequelae/</td>
<td>4</td>
</tr>
<tr>
<td>Post stroke paralysis/ Head Injury</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total No of new registration</strong></td>
<td>5856</td>
</tr>
<tr>
<td><strong>Follow-up cases</strong></td>
<td>168</td>
</tr>
</tbody>
</table>

### Statistic Report of Patient attending Prosthetic & Orthotic Services

(Including artificial limb Centre):

Seventy patients were benefitted from the Splints, Orthosis and Prosthesis fabricated in our Prosthetic & Orthotic workshop. Currently, an approved DBT funded collaborative research project is running for
developing light weight four bar linkage knee (artificial limb) using Nanotechnology, with technical collaboration with IIT Guwahati to create design suitable for amputees living in hilly terrain and its human trial has began. The IIT PhD student working with this IIT-NEIGRIHMS Collaborative research project received prestigious Young Scientist’s Award 2014 from the Honorable President of India for this work. Additional

<table>
<thead>
<tr>
<th>Prosthetic &amp; Orthotic Services statistics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Month</td>
</tr>
<tr>
<td>-------</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>
DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

FACULTY

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Current status</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>1</td>
<td>1</td>
<td>Dr. A. Santa Singh</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>1</td>
<td>2</td>
<td>Dr. Subrat Panda</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dr. Manik Agarwal</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>4</td>
<td>2</td>
<td>Dr. Nalini Sharma</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dr. Ananya Das</td>
</tr>
</tbody>
</table>

Highlights:
The department has been providing regular in-patient and out-patient care along with emergency and critical care services as well. Academic activities both for undergraduates and post graduates are being arranged from time to time. Artificial reproductive techniques have been going on partly with IVF just to be initiated for patients.

Education:
The departmental academic activities are held regularly in Clinical Teaching – 2 room, located in the 2nd floor. It is a huge room with seating capacity of around 50 and highly sophisticated audiovisual aids. The academic programme consists of the following:-

1. **Post – graduate teaching programme.**
   Clinical bedside teaching rounds by Faculty – Everyday Monday to Saturday except Wednesdays (9 AM to 11 AM)
   Clinical Seminars by PG students followed by interactive session on every 2nd Saturday (12:30 – 1:30 PM).
   Case Presentation by PG students every Wednesday (2:30 - 4 PM).
   Journal Club by PG students every Thursday (2:30 - 4 PM).
   Statistics (monthly) presentation by SRDs every 1st Saturday (12:30 – 1:30 PM).

2. **Under – graduate teaching programme.**
   Clinical bedside teaching for 2010, 2011, 2012 Batch every Monday to Saturday (10:00 AM to 1:00 PM).
   Theory lecture classes:-
   - 3 classes per week (each of 1 hour duration) & 1 class per week (2 hours duration) on
   - Problem Based Learning for 2010 Batch.
   - 3 classes per week for 2011 Batch.
   - 1 class per week for 2012 Batch.

3. **B. Sc Nursing teaching programme.**
   Theory lecture classes (each of 1 hour duration) every Wednesday from 3 PM to 4 PM.
Last but not the least, we are also actively participating in different CMEs and academics meetings of the Shillong Obstetrical and Gynaecological Society (SOGS) under FOGSI.
### Lectures Delivered at CMEs, National and International Conferences

**Name of Faculty member: Dr. M. Agarwal**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Took a session on “Skills in Medical Communication”</td>
<td>Orientation programme for 1st year post-graduate &amp; post doctoral (M.D/M.S/D.M) students</td>
<td>23.07.14</td>
<td>Medical Education Unit, NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>2</td>
<td>Delivered a talk on “Myths and facts in Gynaecology”</td>
<td>Workshop cum CME on Gynae oncology (Guest speaker: Dr. K Uma Devi from Kidwai Cancer Institute, Bangalore)</td>
<td>28.07.14</td>
<td>Deptt. Of Obstetrics &amp; Gynaecology, NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>3</td>
<td>Anchored a session on “Gynaecological Cancers”</td>
<td>Orientation programme of 1st year MBBS students</td>
<td>14.11.14</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>5</td>
<td>Gave a lecture on “Communication Skills”</td>
<td>SOGS Meeting</td>
<td>22.08.14</td>
<td>Landmark Hotel</td>
<td>Shillong</td>
</tr>
<tr>
<td>6</td>
<td>Guest speaker on “Grooming, Etiquettes &amp; Communication”</td>
<td>Orientation programme for 1st year post-graduate &amp; post doctoral (M.D/M.S/D.M) students</td>
<td>15.11.14</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>7</td>
<td>“Prevention of Cancer Cervix” in Breast and Cervical Cancers</td>
<td>Awareness Programme</td>
<td>14.11.14</td>
<td>BSF, Umpling</td>
<td>Shillong</td>
</tr>
<tr>
<td>8</td>
<td>Participated as live expert on the programme “Doctor Se Miliye”</td>
<td></td>
<td>28.11.14</td>
<td>All India Radio (AIR)</td>
<td>Shillong</td>
</tr>
<tr>
<td>9</td>
<td>Participated in &quot;Basic Course in Medical Education Technologies&quot;</td>
<td></td>
<td>26.03.15 to 28.03.15</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>10</td>
<td>Participated as live expert on “Gynaecological Problems”</td>
<td></td>
<td>22.05.15</td>
<td>All India Radio (AIR)</td>
<td>Shillong</td>
</tr>
</tbody>
</table>

**Name of Faculty member: Dr. A. Das**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Gestational Diabetes</td>
<td>NEOGSCON 2014</td>
<td>6/12/14</td>
<td>GMCH, Guwahati</td>
<td>Guwahati</td>
</tr>
</tbody>
</table>

**List of oral papers/posters presented**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Authors</th>
<th>Title of presentation</th>
<th>Name of the Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. M. Agarwal</td>
<td>Co-author in Poster by PG student on ‘Choriocarcinoma presenting as uterine rupture – a rare clinical presentation’</td>
<td>Research Programme for 3rd Annual Day Celebration</td>
<td>5th March 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>2</td>
<td>Dr. M. Agarwal</td>
<td>Congenital outflow obstructive disorders of Female Genital tract – 4 unique cases</td>
<td>4th National Conference on Gynae Endocrinology – GESICON 2014</td>
<td>25th – 27th April 2014</td>
<td>Hotel Grand Vasant Kunj</td>
<td>New Delhi</td>
</tr>
</tbody>
</table>
3. Dr. M. Agarwal
Co-author in poster presentation by PG Student on 'Primary Amenorrhoea- A management challenge'
4th National conference on Gynaec Endocrinology – GESICON 2014
25th – 27th April 2014
Hotel Grand Vasant Kunj
New Delhi

**Research: Funded project**

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of the Project</th>
<th>Name of Principal Investigator</th>
<th>Funded by (Name of funding agency)</th>
<th>Duration (year)</th>
<th>Start Year – End Year</th>
<th>Total fund sanctioned (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Evaluation of cervix with Visual Inspection with Acetic Acid (VIA) and Visual Inspection with Lugol’s Iodine (VILI) in comparison with Pap Smear (PG Thesis)</td>
<td>Chief Guide: Dr. M. Agarwal</td>
<td>DBT funded</td>
<td>3 year</td>
<td>2013-2016</td>
<td>1,10,000/-</td>
</tr>
<tr>
<td>2</td>
<td>Study of prevalence, dempgraphic profile and risk factors for osteoporosis in a tertiary care center in north-eastern India – A NEIGRIHMS hospital based prospective study</td>
<td>Dr. S. Agarwal as Co-investigator</td>
<td>To be started – in the process of applying to get funded</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Effect of grandmulti parity and prolonged lactation as bone mineral density</td>
<td>Dr. Nalini Sharma</td>
<td>-</td>
<td>1 year</td>
<td>2014-2015</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Intravenous Iron in Obstetrics &amp; Gynaecological Project</td>
<td>Dr. Ananya Das</td>
<td>-</td>
<td>2 yrs</td>
<td>2015</td>
<td>-</td>
</tr>
</tbody>
</table>

**Completed:**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Title of the Project</th>
<th>Name of Principal Investigator</th>
<th>Funded by (Name of funding agency)</th>
<th>Duration (year)</th>
<th>Start Year – End Year</th>
<th>Total fund sanctioned (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Obstetric cholestasis pregnancy outcome with active management</td>
<td>Dr. Nalini Sharma</td>
<td>-</td>
<td>1 year</td>
<td>2014-2015</td>
<td>-</td>
</tr>
</tbody>
</table>

**Departmental projects (including thesis/dissertations)**

**Ongoing:**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Title of project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fetal Kidney length and transverse diameter of fetal heart measurement for estimation of gestational age in comparison to conventional parameters.</td>
</tr>
<tr>
<td>2</td>
<td>Evaluation of cervix by visual inspection with acetic acid (VIA) &amp; visual inspection with Lugol’s iodine (VILI) in comparison with pap smear</td>
</tr>
<tr>
<td>3</td>
<td>A clinical study of perimenopausal uterine bleeding</td>
</tr>
</tbody>
</table>

**Completed:**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Title of project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Perinatal outcome analysis in oligohydramnios after 32 weeks of gestation using clinical</td>
</tr>
</tbody>
</table>

**Patient Care:**
Apart from routine Obs & Gynae patients the department is also providing High Risk Pregnancy, Infertility and Oncology clinics. A lot of OPD procedures viz. Cu-T insertion, Pap smear cervical biopsy, colposcopy, IUI, follicutometry and LASER cervical cauterity, both obstetrics and gynae ultrasound are performed.

In-patient care is also prompt and well-equipped. In Labour Room, we have all the modern amenities, CTG machines, highly sophisticated tables are available. In operation theatres, along with routine surgeries, many laparoscopic procedures are performed.

**Visiting Scientist:**
Dr. K. Uma from Kidwai Cancer Institute, Bangalore, spoke on chorio carcinoma in the Workshop cum CME on Gynae oncology organized by the Department of Obstetrics & Gynaecology in NEIGRIHMS on the 28th July, 2014
DEPARTMENT OF PEDIATRICS

FACULTY

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Current status</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>1</td>
<td>1</td>
<td>Dr. Jnanendra Nath Sharma</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>1</td>
<td>1</td>
<td>Dr. Himesh Barman</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>2</td>
<td>1</td>
<td>Dr. Sourabh G. Duwahar</td>
</tr>
</tbody>
</table>

Highlights:
Over the last year the department of pediatrics, NEIGRIHMS was involved in teaching, research, patient care and also corporate activities. The syllabus for the undergraduate course was streamlined and 2010 batch successfully completed the MBBS course. The department organized many training programmes like-PALS course for nurses, Refresher course for medical officers of Meghalaya and a workshop on Growth and developmental pediatrics. There was also a visit by a foreign faculty Dr. Martin Bitzan, Pediatric nephrologist from Montreal Children’s hospital, Canada who gave a talk on acute kidney injury in children. Faculty form the department also participated in various conferences and CME’s all over the country. The department was also actively involved in research activities resulting in three international and four national publications.

The department has also been able to be a referral point for patients from all over the North East and also the state. The intensive care facilities of the department, PICU and NICU have been able to provide high end care for critically ill children from all over the north east region. The Pediatric Nephrology service of the department has also been a referral centre for patients from all over North east.

Education:
Undergraduate:
1. Number of lectures and seminars: 105
2. Clinical bedside teaching: 191
3. Problem based learning: 33

Postgraduate:
1. Neonatology class for Obs & Gynae post graduate students: 15 hour.
2. Neuroradiology meet: 10 hours

Nursing:
1. Training on recognition of sick child and Neonatal resuscitation to staff nurses of the department.

CMEs/Workshops/Symposia/National and International Conferences:
1. Paediatric Advanced Life Support (PALS) course for Nurses was held on 9th May 2014 in association with the Indian Academy of Pediatrics (IAP) Meghalaya State Branch at NEIGRIHMS.

2. Undergraduates (Local College Round) Pediatrics quiz associated with IAP Meghalaya State Branch was held on 18th July 2014 at NEIGRIHMS.

3. Refresher course in Basic pediatrics for Medical Officers of Meghalaya was held on 19th September 2014 at NEIGRIHMS and 28th October 2014 at Mairang.

4. Growth Developmental and Behavioral Pediatrics (GDBP) workshop was held on 15th November 2014 at NEIGRIHMS.

**Lectures delivered at CMEs, National and International Conferences**

**Name of Faculty member:**

1. **Dr. J. N. Sharma, Professor & HOD**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Complementary feeding in an exclusively breast fed infant</td>
<td>Refresher course in basic pediatric for medical officers</td>
<td>19th September 2014</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>2.</td>
<td>Treatment of Acute exacerbation of asthma</td>
<td>Refresher course in basic pediatric for medical officers</td>
<td>19th September 2014</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>3.</td>
<td>Complementary feeding in an exclusively breast fed infant</td>
<td>Refresher course in basic pediatric for medical officers</td>
<td>28th October 2014</td>
<td>Mairang, Meghalaya</td>
<td>Mairang</td>
</tr>
<tr>
<td>4.</td>
<td>Treatment of Acute exacerbation of asthma</td>
<td>Refresher course in basic pediatric for medical officers</td>
<td>28th October 2014</td>
<td>Mairang, Meghalaya</td>
<td>Mairang</td>
</tr>
<tr>
<td>5.</td>
<td>The Academic Roadmap MBBS</td>
<td>Undergraduate orientation programme</td>
<td>13th November 2014</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
</tbody>
</table>

2. **Dr. Himesh Barman, Associate Professor**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Self directed learning skills</td>
<td>Post graduation orientation programme</td>
<td>23rd July 2014</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>2.</td>
<td>Febrile seizures: how serious are they?</td>
<td>Refresher course in basic pediatric for medical officers</td>
<td>19th September 2014</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>3.</td>
<td>Febrile seizures: how serious are they?</td>
<td>Refresher course in basic pediatric for medical officers</td>
<td>28th October 2014</td>
<td>Mairang, Meghalaya</td>
<td>Mairang</td>
</tr>
<tr>
<td>4.</td>
<td>Steroid resistant nephrotic syndrome</td>
<td>“21st East Zone PEDICON and TRIPEDICON ;2014”</td>
<td>7th to 9th November, 2014</td>
<td>Agartala, Tripura</td>
<td>Agartala</td>
</tr>
<tr>
<td>5.</td>
<td>Tips for effective learning</td>
<td>Undergraduate orientation programme</td>
<td>13th November 2014</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>6.</td>
<td>Improving outcome in steroid resistant nephrotic syndrome</td>
<td>CME of IAP Barak valley</td>
<td>6th December 2014</td>
<td>Silchar Assam</td>
<td>Silchar</td>
</tr>
</tbody>
</table>
7. Teaching learning principle and interactive teaching methods
   MCI Basic course workshop on medical education technology
   26<sup>th</sup> - 28<sup>th</sup> March 2015
   NEIGRIHMS Shillong

3. Dr. Sourabh Gohain Duwarah, Assistant Professor

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Cerebral malaria: An approach</td>
<td>Refresher course in basic pediatrics for medical officers</td>
<td>19&lt;sup&gt;th&lt;/sup&gt; September 2014</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>2.</td>
<td>Pediatrics and Neonatology</td>
<td>Undergraduate orientation programme</td>
<td>13&lt;sup&gt;th&lt;/sup&gt; November 2014</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>3.</td>
<td>Basic Life support</td>
<td>“Assam State Pedicon 2014”</td>
<td>28&lt;sup&gt;th&lt;/sup&gt; &amp; 29&lt;sup&gt;th&lt;/sup&gt; December, 2014</td>
<td>FAAMCH, Barpeta, Assam</td>
<td>Barpeta</td>
</tr>
<tr>
<td>4.</td>
<td>MCQs and Item analysis</td>
<td>MCI Basic course workshop on medical education technology</td>
<td>26&lt;sup&gt;th&lt;/sup&gt; - 28&lt;sup&gt;th&lt;/sup&gt; March 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
</tbody>
</table>

**List of oral papers/posters presented**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Authors</th>
<th>Title of presentation</th>
<th>Name of the Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Himesh Barman</td>
<td>Pottels equation performs well against height dependent equation for estimation of GFR in Indian children</td>
<td>Annual Day research presentation</td>
<td>4&lt;sup&gt;th&lt;/sup&gt; March 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>2.</td>
<td>SG Duwarah</td>
<td>Composition and antimicrobial resistance pattern of microbial flora on the hands of health care personal</td>
<td>Annual Day research presentation</td>
<td>4&lt;sup&gt;th&lt;/sup&gt; March 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>3.</td>
<td>Ripon Debbarma</td>
<td>Profile of Takayasu Arteritis in Children admitted in NEIGRIHMS</td>
<td>Annual Day research presentation</td>
<td>4&lt;sup&gt;th&lt;/sup&gt; March 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
</tbody>
</table>

**Research: Funded project: Ongoing**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Title of the Project</th>
<th>Name of Principal Investigator</th>
<th>Funded by (Name of funding agency)</th>
<th>Duration (year)</th>
<th>Start year – End year</th>
<th>Total funds sanctioned(Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>“Study of prevalence of iodine deficiency and abnormal thyroid function test among pregnant women and</td>
<td>Dr. Alice A Ruram</td>
<td>ICMR</td>
<td>3 year</td>
<td>July 2012 – July 2015</td>
<td>~ R 0.000000000000000000</td>
</tr>
<tr>
<td>S. No.</td>
<td>Title of the Project</td>
<td>Name of Principal Investigator</td>
<td>Funded by (Name of funding agency)</td>
<td>Duration (year)</td>
<td>Start year – End year</td>
<td>Total funds sanctioned (Rs.)</td>
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</tr>
<tr>
<td></td>
<td>Composition and antimicrobial resistance pattern of microbial flora on the hands of health care personal</td>
<td>Dr. S. G. Duwarah</td>
<td>None</td>
<td>1 month</td>
<td>June - July 2014</td>
<td>None</td>
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</table>

**Completed**

**Departmental projects (including thesis / dissertations): Ongoing**

<table>
<thead>
<tr>
<th>S.</th>
<th>Title of project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Detection of Diarrhoeagenic E Coli by multiple PCR</td>
</tr>
<tr>
<td>2.</td>
<td>To study the prevalence of viruses in upper respiratory tract infection in paediatric patients attending NEIGRIHMS with special reference to respiratory s</td>
</tr>
<tr>
<td>3.</td>
<td>Prevalence of vitamin D deficiency in infants attending well baby clinic department of Pediatrics, NEIGRIHMS</td>
</tr>
</tbody>
</table>

**Completed**

<table>
<thead>
<tr>
<th>S.</th>
<th>Title of project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Spectrum of Glomerular Diseases at NEIGRIHMS: Study by light and Immuno Fluorescence microscopy</td>
</tr>
<tr>
<td>2.</td>
<td>Outcome of</td>
</tr>
<tr>
<td>3.</td>
<td>A study of maternal and perinatal morbidity and mortality in hypertensive disorders complicating pregnancy</td>
</tr>
</tbody>
</table>

**Patient Care:**

**Outpatient services:**

- **General pediatric OPD:** 6 days a week
- Total Patient attended: 16,817
- Average: 1401.41/month

- **Pediatric nephrology clinic:** Thursdays (11 am - 1 pm)
- Total patient attended: 123

**Emergency services:**

- 24 hours emergency service
- Patient attended: 1971
- Admission: 868
- No admission: 1103

**Inpatient services:**

**Pediatric general ward:**
- Total beds: 36
• Total admissions: 1653
• Monthly bed occupancy: 73.3%

**Pediatric Intensive care unit:** 13 bedded general pediatric ward
• Total beds: 13
• Total admissions: 628
• Total underwent ventilation: 169
• Bed occupancy: 68.9%

**Neonatal intensive care unit:**
• Total beds: 6
• Cesareans attended: 743
• Total admission: 263
• CPAP: 43
• Mechanical ventilation: 12
• Bed occupancy: 68.2%

**Awards, Honours and significant events:**

❖ **Himesh Barman**
1. Represented Indian academy of pediatrics s in state committee for implementation of intensified diarrhea control fortnight (IDCF) programme
2. Served as member of state task force for immunization in state of Meghalaya for year 2014 representing Indian Academy of Pediatric Meghalaya state branch
3. Served as the member of RNTCP institute committee
4. Reviewers of Indian pediatrics, Indian journal of pediatrics and Saudi journal of kidney disease and transplant
5. President of IAP Meghalaya for year 2014

❖ **Dr. Sourabh Gohain Duwarah**
1. Editor of IAP Meghalaya journal
2. Vice Chairperson of RNTCP institute committee

**Visiting Scientist:**
Provide the name, Institutional affiliation, city and country of persons visiting with official approval.

1. Dr Martin Bitzan, Associate Professor and Director of Nephrology, Montreal’s children’s hospital, Canada, 12-13 December 2014

**List of conferences / workshop attended by Senior Resident**
Dr. Rosina Ksoo – Workshop attended on Pulmonary Investigations, PEDICON 2015, New Delhi on 21st January 2015
Dr. Ripan Debbarma – Workshop attended on ICU – Investigations role of Imaging & Ultrasound in PICU, PEDICON 2015, New Delhi on 21st January 2015
DEPARTMENT OF PATHOLOGY

FACULTY

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Current status</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor &amp; Head</td>
<td>1</td>
<td>1</td>
<td>Dr. Vandana Raphael</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>2</td>
<td>2</td>
<td>Dr. Yookarin Khonglah, Dr. Jaya Mishra</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>2</td>
<td>1</td>
<td>Dr. Evasaralin Marbaniang</td>
</tr>
</tbody>
</table>

The department has service laboratories for Hematology, Clinical pathology, Histopathology, Cytopathology & Gynecologic pathology, Renal pathology and Immunopathology. In addition to the existing routine and specialized laboratories, a fully automated liquid based cytology, Neuropathology lab, Flow Cytometry Lab, Molecular Genetics Lab and Cytogenetics Lab were initiated during the year 2013-2014.

Highlights –

- Routine diagnostic services including liquid based cytology for cervical smears, neuropathology services with specific neuropathological markers and flow cytometric analysis for the diagnosis of leukemias and lymphomas have now been regularised.
- There has also been an increase in the MD seats from 2 to 3/year.
- Department has established the R&D lab for biotechnology funded by DBT, GOI

Education:

Please provide a list all the academic activities including undergraduate, postgraduate, paramedical teaching, short term/long term training and innovative educational activities. Please mention changes during the year.

<table>
<thead>
<tr>
<th>Sl</th>
<th>Course</th>
<th>Educational activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MBBS</td>
<td>Didactic lectures/Student Seminars/Problem based learning/Tutorials/Demonstration/Practicals</td>
</tr>
<tr>
<td>2</td>
<td>BSc nursing</td>
<td>Didactic lectures/Demonstration/Practicals</td>
</tr>
<tr>
<td>3</td>
<td>Post Graduates(MD Pathology)</td>
<td>Weekly - Slide seminars,Gross seminars</td>
</tr>
</tbody>
</table>
Subject seminars, Clinicopathological case discussions and Journal club

Monthly - Faculty seminar, Slide Tests, autopsy review

Thesis protocol presentations and review meetings quarterly, Internal Assessment periodically

<table>
<thead>
<tr>
<th>4</th>
<th>Laboratory Technicians</th>
<th>Weekly Technical seminars</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Training Junior Research Fellow</td>
<td>Daily review of the research work and monthly project progress review with discussions</td>
</tr>
</tbody>
</table>

**CMEs/Workshops/Symposia/National and International Conference:**

Please provide a list of events organized by the department. For each event please provide: Name of the event, date and city.

2. Hands-on workshop on vacutainer use for nursing staff August & September 2014, NEIGRIHMS
3. Symposia on Pre-analytical errors for nursing staff October 2014, NEIGRIHMS

**Lectures delivered at CMEs, National and International Conferences**

(all lectures, invited talks, plenary lectures, guest lectures except named Orations are to be listed here)

Name of Faculty member: Dr Yookarin Khonglah

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Taxonomy of Educational Objectives</td>
<td>Basic course workshop in medical education technologies</td>
<td>26th-28th March 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>2.</td>
<td>Basics of hemostasis for surgeons</td>
<td>CME on intra operative hemostasis</td>
<td>March 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
</tbody>
</table>

Name of Faculty member: Dr Jaya Mishra
<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Panel Discussion on Specialized Microscopy</td>
<td>Research Methodology workshop</td>
<td>2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
</tbody>
</table>

Name of Faculty : Prof V Raphael

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Panel Discussion on Thyroid Cancer Management</td>
<td>CME in Thyroid disorders</td>
<td>2014</td>
<td>Nazareth Hospital</td>
<td>Shillong</td>
</tr>
<tr>
<td>2</td>
<td>Braf mutation study in Thyroid cancers</td>
<td>CME in Thyroid disorders</td>
<td>2014</td>
<td>Nazareth Hospital</td>
<td>Shillong</td>
</tr>
</tbody>
</table>

**List of oral papers/posters presented** (This list should be in chronological order)

<table>
<thead>
<tr>
<th>Sl no.</th>
<th>Authors</th>
<th>Title of presentation</th>
<th>Name of the Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Aman M, Khonglah Y, Hage N, Lyngdoh M</td>
<td>Gout nodulosis – an unusual presentation of gout</td>
<td>NERCON 2014</td>
<td>27-28&lt;sup&gt;th&lt;/sup&gt; September 2014</td>
<td>Kohima</td>
<td>Kohima Nagaland</td>
</tr>
<tr>
<td>3</td>
<td>B.B.Gogoi, J.Mishra, Y. Khonglah, V.Raphael, B.Shunyu</td>
<td>Encapsulated follicular variant of papillary carcinoma of thyroid - a case report</td>
<td>NERCON 2014</td>
<td>27-28&lt;sup&gt;th&lt;/sup&gt; September 2014</td>
<td>Kohima</td>
<td>Kohima Nagaland</td>
</tr>
<tr>
<td>4</td>
<td>Khonglah Y, Raphael V, JitaniA, Kakoti A, Phukan P.</td>
<td>Primary CNS lymphoma with steroid effect: a diagnostic dilemma</td>
<td>Haematocon 2014, 55&lt;sup&gt;th&lt;/sup&gt; Annual conference of Indian Society of</td>
<td>6&lt;sup&gt;th&lt;/sup&gt; - 8&lt;sup&gt;th&lt;/sup&gt; November 2014</td>
<td>Ramoji Film City</td>
<td>Hyderabad</td>
</tr>
<tr>
<td>No.</td>
<td>Authors</td>
<td>Title</td>
<td>Conference and Event Details</td>
<td>Location</td>
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<tr>
<td>5</td>
<td>Shah N, Khonglah Y, Raphael V, Swer B, Singh AS.</td>
<td>Antenatal screening for hemoglobinopathies with HPLC</td>
<td>Haematocon 2014 and NERCON 2014, Annual Day NEIGRIHMS</td>
<td>Ramoji Film City &amp; Kohima</td>
<td></td>
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<tr>
<td>9</td>
<td>Gogoi BB, Khonglah Y, Kumar R, Lynrah KG.</td>
<td>Synchronous occurrence of two distinct primary tumors in esophagus</td>
<td>NEIGRIHMS Annual day Research presentation</td>
<td>Shillong</td>
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<tr>
<td>10</td>
<td>Ghosh S, Topno N, Khongwar D, Khonglah Y.</td>
<td>Malignant melanoma in anorectum.</td>
<td>NEIGRIHMS Annual day Research presentation</td>
<td>Shillong</td>
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<tr>
<td>11</td>
<td>Ralte S, Bhattacharya A, Khonglah Y.</td>
<td>A case report of pyramidal lobe of thyroid gland and its clinical implications</td>
<td>NEIGRIHMS Annual day Research presentation</td>
<td>Shillong</td>
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<tr>
<td>12</td>
<td>Thakur B K, Verma S.</td>
<td>Clinical, Trichoscopic</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Raphael V.

and Histopathological features of primary cicatricial alopecias: A retrospective observational study at a tertiary care centre of north east.

Annual day Research presentation 2015

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Title of the Project</th>
<th>Name of Principal Investigator</th>
<th>Funded by (Name of funding agency)</th>
<th>Duration (year)</th>
<th>Start Year-End year</th>
<th>Total funds sanctioned (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>Pala S, Raphael V, Kalita B</td>
<td>DLHS Survey of Meghalaya.</td>
<td>NEIGRIHMS Annual day Research presentation</td>
<td>4th March 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
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<tr>
<td>15</td>
<td>Jajodia E, Khonglah Y, Raphael V, Mishra J.</td>
<td>Varied presentations of Myeloid sarcoma</td>
<td>Imphal Mid term CME-2015</td>
<td>March 2015</td>
<td>Imphal</td>
<td>Imphal Manipur</td>
</tr>
<tr>
<td>17</td>
<td>Pholgu PC, Raphael V</td>
<td>Collision tumor of MPNST with benign schwannoma</td>
<td>Imphal Mid term CME-2015</td>
<td>March 2015</td>
<td>Imphal</td>
<td>Imphal Manipur</td>
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**Research: Funded project: Ongoing**
### Completed

<table>
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<tr>
<th>S.No.</th>
<th>Title of the Project</th>
<th>Name of Principal Investigator</th>
<th>Funded by (Name of funding agency)</th>
<th>Duration (year)</th>
<th>Start Year-End year</th>
<th>Total funds sanctioned (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Antenatal screening for hemoglobinopathies.</td>
<td>Dr Yookarin Khonglah</td>
<td>Department of Biotechnology</td>
<td>1 ½ years</td>
<td>2013-2015</td>
<td>1.25 lakhs</td>
</tr>
<tr>
<td>2.</td>
<td>Study on prevalence of EBV in nasopharyngeal carcinoma.</td>
<td>Prof. Vandana Raphael</td>
<td>Department of Biotechnology</td>
<td>1 ½ years</td>
<td>2013-2015</td>
<td>1.25 lakhs</td>
</tr>
</tbody>
</table>

**Departmental projects (including thesis/dissertations)**

**Ongoing** (Please do not list faculty/guide/candidate names or whether it is a PhD, DM, MD thesis, etc)

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Title of project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Role of brush biopsy and DNA cytometry in the diagnosis of oral premalignant and malignant lesion</td>
</tr>
<tr>
<td>2.</td>
<td>Analysis of lymphocyte subsets in alcoholic liver disease</td>
</tr>
<tr>
<td>3.</td>
<td>Efficacy of intraoperative tissue diagnosis in central nervous system lesions.</td>
</tr>
<tr>
<td>4.</td>
<td>Prevalence of HPV infection in abnormal PAP smears.</td>
</tr>
</tbody>
</table>

**Completed**
### Collaborative Projects: Ongoing

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Title of Project</th>
<th>Collaborating department/institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Mean signal intensity curve analysis in brain tumors by dynamic susceptibility contrast MR perfusion imaging – funded by DBT</td>
<td>Department of Radiodiagnosis</td>
</tr>
<tr>
<td>2.</td>
<td>A study on Helicobacter Pylori infection in patients with calculous cholecystitis</td>
<td>Department of General Surgery</td>
</tr>
<tr>
<td>3.</td>
<td>Red blood cell antigen typing among the indigenous population of Meghalaya.</td>
<td>Blood Bank, Community Medicine</td>
</tr>
<tr>
<td>4.</td>
<td>VILI screening in correlation with Pap smear</td>
<td>O&amp;G</td>
</tr>
<tr>
<td>5.</td>
<td>NASH assessment in Liver in patients with cholecystitis.</td>
<td>Department of General Surgery</td>
</tr>
</tbody>
</table>

### Patient Care:

In patient care/supportive activities include information regarding: (a) facilities available in the department (including special clinics and/or special laboratory facilities (b) community services/campus etc.

### Special Laboratory services –

- Frozen section laboratory – for intraoperative diagnosis
- Renal Pathology – reports on renal biopsy includes light microscopy and Immunofluorescence
- Neuropathology – Intraoperative diagnosis along with specific neurological markers on immunohistochemistry
- Dermatopathology – reports on light microscopy and immunofluorescence
Flow cytometry Laboratory – for the diagnosis of leukemias and lymphomas
Screening for cervical cancer by Fully automated Liquipap system
HPLC for the diagnosis of hemoglobinopathies
Cytogenetics: Karyotyping, FISH for lymphoma, leukemia and breast cancers

Awards, Honours and significant events:

List only awards, honours and named orations of national and international repute, conferred (non-elected) memberships of fellowships, offices of the international and national societies and journals. Do not list lectures delivered at CMEs and conferences. Also include any major academic activity which is not included under teaching, research and patient care activities. Workshops, symposia etc. already under CME, should not be repeated under this section. These can also include membership of Programme Advisory Committee, Scientific Advisory Committee, Research Advisory Committee, Government Advisory. Please limit this information to a maximum of 500 words.

1. First prize in poster presentation in Imphal Mid term CME for paper titled “Varied presentations of Myeloid sarcoma”
2. First prize in poster presentation in NEIGRIHMS Annual day research presentation for paper titled “Synchronous occurrence of two distinct primary tumors in esophagus”
3. First prize in poster category in NEIGRIHMS Annual day research presentation for paper titled “Case of Juvenile myelomonocytic leukemia”
4. First prize in paper presentation in NEIGRIHMS Annual day research presentation for paper titled “Clinical, Trichoscopic and Histopathological features of primary cicatricial alopecias: A retrospective observational study at a tertiary care centre of north east”
5. Contributed a chapter on Taxonomy of educational objectives to the “Handbook on Basics of Medical education” brought out by Medical Education unit, NEIGRIHMS
6. Prof. V. Raphael is in addition to HOD, functioning as Dean of NEIGRIHMS, Chairperson of IEC, NEHU, Shillong, Chairperson Laboratory Services, Editor of NEIGRIHMS J of health & Medical Sciences, Member of IEC, Thesis Committee, NEIGRIHMS, Chairperson of Research Committee NEIGRIHMS, External expert for Evaluation of Progress of SRF(PhD) at NEHU, Biosafety Inspector for the Institutional Biosafety Committee at NEHU, External Examiner for Manipur University, Shankaradeva University Assam, Tripura University.
7. Dr Y. Khonglah is Sub Dean Student affairs, Chairperson of NEIGRIHMS Internal Complaints Committee for Prevention of Sexual Harassment, Warden MBBS Girls Hostel, Sub committee member of Medical education unit, Member of IEC, NEHU.
8. Dr Jaya Mishra is also Assistant warden of MBBS Girls Hostel.

Visiting Scientist:

Provide the name, Institutional affiliation, city and country of persons visiting with official approval.

- Dr Venetia Sarode, UT South Western Medical Centre, Dallas, Texas
DEPARTMENT OF PHYSIOLOGY

FACULTY

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Current status</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor &amp; Head</td>
<td>1</td>
<td>-</td>
<td>Vacant</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>1</td>
<td>1</td>
<td>Dr. Rituparna Barooah</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>1</td>
<td>1</td>
<td>Dr. John A. Lyngdoh</td>
</tr>
</tbody>
</table>

Highlights:

Two Research activities on 1st Yr. MBBS

- Usefulness of group formative feedback
- Short term research activities (FAIMER Project)

Education:

Objective internal Assessment

- Peer corrected objective tests
- Assignments
- Short term research projects
- Conduct, regularity
- Online teaching in Google, Moodle
- Group activity and peer assisted learn based learning Didactic lecture,
  Demonstration, relevant clinical exposure/ seminar

CMEs/workshops/Symposia/National and International Conference:

Name: Dr. Rituparna Barooah

2. “Clinical Laboratory Quality Management System: Road to Accreditation” 20th May 2014, NEIGRIHMS, Biochemistry, Shillong.
3. “Clinical Relevance of Autonomic Function Testing” funded by NEIGRIHMS and NEC. 13th June 2014, NEIGRIHMS, Shillong
5. Pharmacovigilance, Underaegis of Indian Pharmacopoeia Commission(IPC), 28th June 2014 NEIGRIHMS, Pharmacology, Shillong.
6. “health Professions Education Engage your learners: promotive active and deep learning in your large classes” 24th - 27th September 2014, Sevagram
7. “Curriculum Review and Planning: towards transformative Health Professions Education” 
   24th - 27th September 2014, Sevagram
12. Preparation of manuscript and publication of research papers in indexed journals” 17th – 19th December 2014, Puducherry.
13. “Essential skills in medical Education(ESME)” conducted by Association of Medical Educators of Europe 
    9th – 11th January 2015.
15. “Competency Based Medical Education” 18th – 21st June 2015, at PSG-Coimbatore.

Name: Dr. John A. Lyngdoh

1. “How to teach Evidence based Child Health” PGIMER, 30th Jan-1st February 2014, NEIGRIHMS, Shillong
2. Basics of Good Clinical Practice Clinical Development Services Agency An Extramural unit of Translational Health Science and Technology Institute DBT, 28th -29th March 2014, NEIGRIHMS, Shillong
3. “Clinical Laboratory Quality Management Road to Accreditation” Department of Biochemistry, 20th May, 2014, NEIGRIHMS, Shillong
5. Underaegis of Indian Pharmacopoeia Commission(IPC), Pharmacovigilance, 28th June 2014, NEIGRIHMS, Shillong
6. Faculty improvement programme Star college Scheme, 28th October 2014, St. Edmund College, Shillong.
7. Faculty Development Programme MET Dept in collaboration with MCI, 26-28th March, 2015, NEIGRIHMS, Shillong
8. “Regional CME workshop on Medico legal Reporting” 12th June, 2015, NEIGRIHMS, Shillong
9. Workshop on Basic Life support NEIGRIHMS collaboration with EMRI, 16 June 2015, NEIGRIHMS, Shillong

Lectures delivered at CMEs, National and International Conference:

Name of Faculty member: Dr. Rituparna Barooah

List of Oral Papers/Poster presented (this list should be in chronological order)
Dr. Rituparna Barooah (Associate professor)

1. “Usefulness of group formative feedback to offset faculty shortage.”
   Health Professions Education
   Engage your learners: promotive active and deep learning in your large classes
   Curriculum Review and Planning: Towards Transformative Health Professions

2. Introduction of STR in Physiology Curriculum
   3rd Conference of the SEARAME & the 2nd Conference of the Forum of Sri Lankan
   Medical Educationists
   Developing Medical Curricula Towards Genetic Literacy Simulation in Medical
   Education, 12-15th Nov 2014, Colombo, Sri Lanka

3. Research – Igniting interest in undergraduates in Physiology- Clinical, Experimental and
   Neurophysiology, 1st National Conference of Association of Physiologist of India, 17th-
   19th Dec, 2014, Pudicherry

4. “Exposure to clinics as adjunct to physiology teaching” International Convention on
   Challenges in Medical Education, 9-11 Jan 2015, MGMS  Aurangabad, Maharasthra.

Research: Funded project :Ongoing

<table>
<thead>
<tr>
<th>S. No</th>
<th>Title of the project</th>
<th>Name of principal Investigator</th>
<th>Funded by (Name of funding agency)</th>
<th>Start Year – End year</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Baro- Reflex Sentivity Etiology of Essential Hypertension and other life style disorders.</td>
<td>Dr. Rituparna Barooah</td>
<td>Funding applied for</td>
<td>2003</td>
</tr>
<tr>
<td>2.</td>
<td>Age-related Autonomic Changes in the elderly in khasi hills.</td>
<td>Dr. Rituparna Barooah</td>
<td>Funding applied for</td>
<td>2004</td>
</tr>
<tr>
<td>3.</td>
<td>BMI, Liver Enzymes &amp; LIPID changes with different pattern and choice of alcohol consumption in Adult Khasi Males.</td>
<td>Dr. Rituparna Barooah and Dr. John A. Lyngdoh</td>
<td>Funding applied for</td>
<td>2009</td>
</tr>
<tr>
<td>4.</td>
<td>Role of Mediation and Yoga in prevalence of diabetes</td>
<td>Dr. Rituparna Barooah</td>
<td>Funding applied for</td>
<td></td>
</tr>
</tbody>
</table>
### Publications:

4. Chapters in handbook of medical education: Dr. Rituparna Barooah
   - Giving feedback
   - Interactive teaching in large groups
   - Motivation for learning
   - Adult learning

### Patient Care:

**Awards, Honours and Significant events:**

Dr. Rituparna Barooah – Awarded FAIMER Fellowship 2013

**Visiting Faculty:** Dr. Rituparna Barooah- LGB institute of Mental Health Tezpur (Neurophysiology)
DEPARTMENT OF PHARMACOLOGY

FACULTY:

<table>
<thead>
<tr>
<th>Post</th>
<th>Capacity</th>
<th>Current status</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>1</td>
<td>1</td>
<td>Dr. Chayna Sarkar</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>1</td>
<td>1</td>
<td>Dr. Dhriti Kr. Brahma</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>1</td>
<td>1</td>
<td>Dr. Julie B. Wahlang</td>
</tr>
</tbody>
</table>

Highlights:

The department aims at contributing fully towards fulfillment of all the aspects of the multi-pronged Aims and objectives of the Institute. It was involved in imparting regular classes for undergraduate MBBS and BSc. nursing students. The department uses audiovisual and other modern aids, softwares and computer assisted learning methods for teaching purposes. The department is also engaged in “Pharmacovigilance” activities and it is encouraging spontaneous Adverse Drug Reaction (ADR) reporting system in NEIGRIHMS. Pharmacovigilance training programme was also conducted for all the nurses of the institute phase wise during the month May- June’2014. The department starts doing research works on Indigenous plants in animal models. In this regard some of the equipments like NIBP have been purchased this year. The department has also been equipped with highly sophisticated instruments like HPLC for qualitative and quantitative analysis of drugs and is planning to start patient care related activities like therapeutic drug monitoring in the near future. The department has been actively involved in organizing two important events (National conference & Regional CME) with Gauhati Medical College and NEIGRIHMS respectively. The department is fully prepared to start postgraduate course.

Education:

1. The department is presently imparting training to the 2nd year MBBS students both theory and practical. Total theory and tutorial during the period April to July – 1 batch and Aug to Nov. – 2 Batches. Total Practical and Demonstration Classes April to July – 1 batch and Aug to Nov. – 2 Batches.
2. The department is also imparting training to the 2nd year B.Sc. Nursing students of the college of Nursing. It takes 2 (two) nos. of theory classes per week by faculty and/or resident doctors of the department.
3. The department uses software and audiovisual aids, computer simulation software (CAL) of different animal experiments and animations for teaching purposes.
4. Ongoing Research work on Indigenous plant using animal models and drug analysis by HPLC.
The Department also takes part and presented in the Clinical Grand Rounds (CGR) of the Institution.

The Department is holding monthly seminars on the 2nd Saturdays of every month presented by Resident Doctors and Faculty on various topics of Pharmacology.

Internal Examinations conducted: 3 (Three) including theory, practical and viva for MBBS and Theory Internal examination for 2nd Yr. BSc. Nursing.

University 2nd Professional Examinations held: 3rd week of December’2014 and supplementary examination in April 2015.

In addition to the regular class tests, tutorial, integrated teaching on theory and practical were conducted for MBBS students and also for B.Sc. Nursing students.

**CMEs/ Workshops/ Symposia/ National and International Conferences:**

1. CME on Pharmacovigilance Under the aegis of Indian Pharmacopoeia Commission Organized by Department Of Pharmacology. NEIGRIHMS. Date: 28th June 2014.
3. Training programme for nurses of NEIGRIHMS on Pharmacovigilance in batches in the months of May and June 2014.

**List of oral papers/posters presented**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Authors</th>
<th>Title of presentation</th>
<th>Name of the conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>R Barooah, DK Brahma</td>
<td>Introducing research into the undergraduate physiology curriculum</td>
<td>3rd South East Asian Regional Association for Medical Education and 2nd (SERAME) Sri Lankan Medical Educationists (FOSME) conference 2014</td>
<td>12-15 Nov 2015</td>
<td>College of Medicine, University of Colombo, Sri Lanka</td>
<td>Colombo</td>
</tr>
<tr>
<td>2</td>
<td>JB Wahlang, MD</td>
<td>Utilization of IPSCON 2014</td>
<td></td>
<td>28-30th Nov 2014</td>
<td>Gauhati</td>
<td>Guwahati,</td>
</tr>
</tbody>
</table>
Marak, DK  
Brahma, J  
Lalromawii, J  
Lahon, BS  
Nongkynrih  

Antirabies vaccine in Pasteur Institute, Meghalaya: A three year assessment  

December 2014  
Medical College  
Assam`  

Research: Non-funded: Ongoing Departmental Projects

<table>
<thead>
<tr>
<th>Sl.</th>
<th>Title of project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pattern of Adverse Drug reaction due to cancer chemotherapy in Oncology department of a tertiary care Teaching hospital</td>
</tr>
<tr>
<td>2</td>
<td>Prescribing patterns and utilization of Analgesic in patients attending Oncology, Pain clinic, Orthopaedics etc</td>
</tr>
<tr>
<td>3</td>
<td>Effect of Methanolic extract of roots of Aristolochia tagala cham. on blood pressure and heart rate in experimental rats.</td>
</tr>
</tbody>
</table>

Ongoing Collaborative Projects

<table>
<thead>
<tr>
<th>Sl.</th>
<th>Title of project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A comparative study on the short term effects of Zoledronate and Pamedronate on the histomorphometry of the metaphysic of tibia in young Albino rats. Department of Anatomy and Pharmacology NEIGRIHMS</td>
</tr>
</tbody>
</table>

Patient Care:

The department is also engaged in “Pharmacovigilance” activities and it is encouraging spontaneous Adverse Drug Reaction (ADR) reporting system in NEIGRIHMS. The ADR reporting form is made available in all the OPDs and Wards of the hospital. Reported ADR cases from the Institute are visited and confirmed by the faculty/residents of the department and forwarded to National Pharmacovigilance centre. The Department is currently involved in analyzing the analgesic utilization of OPD patients in three clinical departments of the Institute. Till now 13 spontaneously reported ADR cases have been reported by the AMC NEIGRIHMS to NCC.

Visiting Faculty:
DEPARTMENT OF PSYCHIATRY

FACULTY:

<table>
<thead>
<tr>
<th>Post</th>
<th>Capacity</th>
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<tbody>
<tr>
<td>Professor</td>
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<td>-</td>
<td>Vacant</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>1</td>
<td>1</td>
<td>Dr. Arvind Nongpiur</td>
</tr>
</tbody>
</table>

Senior Residents: 2 (Two)

HIGHLIGHTS

OPD and Indoor Psychiatry Service:

The department of Psychiatry runs OPD for 6 days a week from Monday to Saturday.

Patients requiring psychiatric inpatient care are admitted in the General Medical ward. All psychiatric referrals from indoor wards are seen bedside in respective wards.

With the joining of a Clinical Psychologist in December 2014, Counselling services have been expanded and Non-Pharmacological intervention has started.

A weekly counselling programme has also started for MBBS students, which was welcomed by all students.

The following is the distribution of total patients reviewed in the psychiatry department during the period of 1st April 2014 to 31st March 2015.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NO. OF NEW PATIENTS</td>
<td>444</td>
</tr>
<tr>
<td>NO. OF REFERRED PATIENTS</td>
<td>2040</td>
</tr>
<tr>
<td>NO. OF FOLLOW-UP PATIENTS</td>
<td>1250</td>
</tr>
<tr>
<td>TOTAL</td>
<td>3734</td>
</tr>
</tbody>
</table>

EDUCATION

The Faculty and Senior Resident of the Department are actively engaged in teaching Under Graduate MBBS students. In addition the Department is also involved in teaching programmes of the B.Sc. Nursing students of College of Nursing. Apart from teaching programmes for
students within the campus, the faculty also supervises the field work training of MSW and Psychology students specializing in Medical and Psychiatric Social Work and MA Psychology respectively from different colleges around the country. The Department conducts regular ward discussions and seminars. The faculty of the Department is invited by other organizations for training and awareness on Mental Health.

**CMEs/Workshops/Symposia/National and International Conferences**
A workshop was conducted to commemorate World Mental Health Day on the 10th of October, 2014. The theme of the workshop was “living with schizophrenia” and it was conducted in collaboration with the Border Security Force.

**Lectures delivered at CMEs, National and International Conferences**

**Name of Faculty Member: Dr. Arvind Nongpiur**

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Title of Talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Pharmacogenomics</td>
<td>Mid-Term CME of the Indian Psychiatric Society Eastern Zonal Branch</td>
<td>19th and 20th July 2014</td>
<td>RIMS, Imphal</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Living with Schizophrenia</td>
<td>1st Regional Symposium on Mental Health</td>
<td>10th October 2014</td>
<td>Martin Luther Christian University</td>
<td>Shillong</td>
</tr>
<tr>
<td>3.</td>
<td>Issues on Mental Health Education</td>
<td>National Seminar organized by the Department of Education, North Eastern Hill University</td>
<td>26th Feb 2015</td>
<td>NEHU</td>
<td>Shillong</td>
</tr>
</tbody>
</table>

**Departmental Projects (including thesis/dissertation): Ongoing**

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of the Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Psychiatric complications in chronic kidney disease (CKD) patients in North East India: An exploratory study</td>
</tr>
<tr>
<td>2.</td>
<td>Efficacy of high frequency rTMS in patients of Somatization Disorder: A randomized, double blind sham controlled study.</td>
</tr>
<tr>
<td>3.</td>
<td>Diffusion tensor imaging in complicated Alcohol Withdrawal Syndrome</td>
</tr>
<tr>
<td>4.</td>
<td>A head to head clinical trial on the efficacy of Acamprosate and Naltrexone in alcohol abstinence</td>
</tr>
</tbody>
</table>

**Completed**

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of the Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Deliberate self harm and suicide attempters in a tertiary care hospital in Meghalaya</td>
</tr>
</tbody>
</table>

**Collaborative Projects: Ongoing**
Patient Care

a) Facilities available in the Department: Daily outpatient services with counselling services available.

A modified ultrabrief ECT and rTMS machines are also available in the department.

With the approval of the Director, two special clinics were started from August 2013 as follows:

**Drug De-addiction Clinic** - Every Wednesday

<table>
<thead>
<tr>
<th>NO. OF MALE PATIENTS</th>
<th>95</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO. OF FEMALE PATIENTS</td>
<td>4</td>
</tr>
<tr>
<td>TOTAL NO. OF PATIENTS</td>
<td>99</td>
</tr>
</tbody>
</table>

**Child Guidance Clinic** - Every Saturday

<table>
<thead>
<tr>
<th>NO. OF MALE PATIENTS</th>
<th>271</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO. OF FEMALE PATIENTS</td>
<td>156</td>
</tr>
<tr>
<td>TOTAL NO. PATIENTS</td>
<td>541</td>
</tr>
</tbody>
</table>

b) Community services/campus:

Counselling program for MBBS students commenced from August, 2014. The counselling program was started to address to the psychological problems of the students. The number of counselling sessions and students counselled are as follows:

<table>
<thead>
<tr>
<th>NUMBER OF SESSIONS</th>
<th>14</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUMBER OF STUDENTS COUNSELED</td>
<td>50</td>
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</table>
DEPARTMENT OF RADIOLOGY & IMAGING

FACULTY:

<table>
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<th>Post</th>
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<th>Name</th>
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<tbody>
<tr>
<td>Professor &amp; Head</td>
<td>1</td>
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<td>Dr C Daniala</td>
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<tr>
<td>Associate Professor</td>
<td>2</td>
<td>1</td>
<td>Dr Akash Handique</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>3</td>
<td>2</td>
<td>Dr. Pranjal Phukan</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dr. Baphiralyne Wankhar</td>
</tr>
</tbody>
</table>

Highlights:

Department of Radiology & Imaging with its various state of the art Radiological Equipments provides diagnostic and therapeutic Interventional Radiological Procedures giving Imaging support to all clinical departments. The department also provides round the clock services.

Education:

The department also have MD Degree program in Radiodiagnosis and admits two Resident Doctors per year.

CMEs/Workshops/Symposia/National and International Conference:

1. Ultrasonography Workshop cum CME which was held on 16th – 18th December 2014.

Lectures delivered at CMEs, National and International Conferences

Dr. C. Daniala, Professor & HOD

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Imaging of Low Back Pain</td>
<td>17th Annual conference of Indian society of Neuroradiology</td>
<td>9th to 12th October 2014</td>
<td>Gurgoan</td>
<td>Haryana</td>
</tr>
</tbody>
</table>
2. Chairing sessions
IV Annual conference of Indian Association of Cardiac Imaging (IACI 2014) 31st October to 2nd November 2014
Kolkata Kolkata

3. Chairing session on Interventional Radiology
40th Annual conference of Indian Radiology and Imaging Association (Assam Branch) 13th to 15th December 2014
Assam Guwahati

List of oral papers/posters presented:

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of Presentation</th>
<th>Name of the conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>1. Syphilitic Aortitis, Diagnosis and management with EVAR- A case Report 2. CT imaging of takayasu arteritis (co author)</td>
<td>IV Annual conference of Indian Association of Cardiac Imaging (IACI 2014)</td>
<td>31st October to 2nd November 2014</td>
<td>Kolkata</td>
<td>Kolkata</td>
</tr>
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</table>

Lectures delivered at CMEs, National and International Conferences

Dr. Akash Handique MD, PDCC (Neuroradiology), Associate Professor

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
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<tbody>
<tr>
<td>Sl. No</td>
<td>Title of Presentation</td>
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<td>Date</td>
<td>Venue</td>
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</tr>
<tr>
<td>6.</td>
<td>“Biomaterials development in Interventional Radiology”</td>
<td>QIP Short Course on Micro manufacturing for Biomedical Applications</td>
<td>24th to 27th February 2015</td>
<td>Department of Mechanical Engineering, Indian Institute of Technology</td>
<td>Guwahati</td>
</tr>
</tbody>
</table>

List of oral papers/posters presented:

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Title of Presentation</th>
<th>Name of the conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
</table>
| 1.    | 1. endovascular treatment of low flow vascular malformation  
| 2.    | Endovascular treatment of intracranial aneurysm in an infant: A case report (how I did differently) | RAIN 2014, SRMC | 13th to 16th November 2014 | Chennai | Chennai |
| 3.    | 1. Meningioma and schwannoma as single tumor in a case of NF2  
2. Aneurysmal bone cyst of frontal | 40th Annual conference of Indian Radiology and Imaging Association (Assam Branch) | 13th to 15th December 2014 | Guwahati | Guwahati |
bone; a case report (co author)

3. spontaneous recovery of spontaneous spinal epidural hematoma (co author)

4. CT imaging of Takayasu arteritis (co author)

5. Mean signal intensity curve analysis of brain tumor (co author)

**Lectures delivered at CMEs, National and International Conferences**

**Dr. Pranjal Phukan MD, DM (Neuroradiology), Assistant Professor**

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
</table>
| 1.    | 1. Endovascular sclerotherapy on peripheral low flow vascular malformations.  
| 2.    | Endovascular treatment of intracranial aneurysm in an infant: A case report (how I did differently) | RAIN 2014, SRMC | 13th to 16th November 2014 | Chennai | Chennai |
| 4.    | 1. Endovascular management of Acute stroke  
       2. Japanese encephalitis (co author)  
       3. Meningioma and schwannoma as single tumor in a case of NF2  
       4. Aneurysmal bone cyst of frontal | 40th Annual conference of Indian Radiology and Imaging Association (Assam Branch) | 13th to 15th December 2014 | Guwahati | Guwahati |
List of oral papers/posters presented:

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of Presentation</th>
<th>Name of the conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2. Endovascular parent artery occlusion of intracranial aneurysm: still a viable option</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>1. endovascular management of Acute stroke</td>
<td>40th Annual conference of Indian Radiology and Imaging Association (Assam Branch)</td>
<td>13th to 15th December 2014</td>
<td>Guwahati</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Japanese encephalitis(co author)</td>
<td></td>
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<td></td>
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<tr>
<td></td>
<td>3. Meningioma and schwannoma as single tumor in a case of NF2</td>
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</tr>
<tr>
<td></td>
<td>4. Aneurysmal bone cyst of frontal bone; a case report(co author)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5. spontaneous recovery of spontaneous spinal epidural hematoma(co author)</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>6. CT imaging of takayasu arteritis (co author)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7. mean signal intensity curve analysis of brain tumor (co author)</td>
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</tbody>
</table>

5. Radiological services in NEIGRIHMS
Dr. Baphiralyne Wankhar, MD (Radiodiagnosis), Assistant Professor

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
<td>CME on clinical laboratory quality management system.</td>
<td>20th May 2014</td>
<td>Department of Biochemistry, NEIGRIHMS</td>
<td>Shillong</td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td>IV Annual conference of Indian Association of Cardiac Imaging.</td>
<td>31st October to 2nd November 2014</td>
<td>Kolkata</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Panelist at Thyroid CME &amp; Workshop”</td>
<td>Thyroid CME &amp; Workshop</td>
<td>15th to 16th November 2014</td>
<td>Nazareth Hospital</td>
<td>Shillong</td>
</tr>
<tr>
<td>4.</td>
<td></td>
<td>Basic course workshop in Medical Education Technologies</td>
<td>26th to 28th March 2015</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
</tr>
</tbody>
</table>

List of oral papers/posters presented:

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Author</th>
<th>Title of Presentation</th>
<th>Name of the conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
<td>E-Poster titled Imaging spectrum of Takayasu arteritis on MDCT at Annual CME on cardiac Imaging</td>
<td>IV Annual conference of Indian Association of Cardiac Imaging.</td>
<td>31st October to 2nd November 2014</td>
<td>Kolkata</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td>Poster titled ocular TB presenting as optic &amp; choroidal mass</td>
<td>Annual day, NEIGRIHMS</td>
<td>NEIGRIHMS</td>
<td>Shillong</td>
<td></td>
</tr>
</tbody>
</table>

Departmental projects (including thesis/dissertations)

Ongoing

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Title of project</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
1. Dr Kalyan Sarma, Post Graduate Year - 2
   Multimodality Imaging in diagnosis of Non-Specific Aorto-arteritis, Comparison of MRI with contrast enhanced MR Angiography and Multidetector CT Angiography to determining extent of disease and disease activity.

2. Dr. Ranjit Meher, Post Graduate Year - 2
   Mean Signal Intensity Curve Analysis of Brain Tumour by Dynamic Susceptibility Contrast MR (DSC MR) Perfusion Imaging.

3. Dr Panchasanguparakalarajan R
   Study of Coronary Artery Diseases (CAD) by Coronary CT Angiography using mdct (128 slice) in comparison with conventional Coronary Angiography.

4. MRI in evaluation of Football (soccer) related knee injuries. Dr Mukesh Sharma

**Patient care:** Enclosed details Patient Care Services provided by the Department

**Awards, Honours and significant events:**

Dr. Pranjal Phukan: Special Prize in poster competition at NEIGRIHMS annual day 2015, 2nd prize paper presentation as co author at IRIA Annual Conference 2014 and 3rd prize in poster presentation in IRIA annual conference 2014.

The Department is providing round the clock Radiology Services for the Hospital catering to all Departments involving all Faculty, Resident Doctors, Technicians and Nursing Staffs.

**Statistics: From 1st April 2014 to 31st March 2015**

<table>
<thead>
<tr>
<th>Procedure</th>
<th>No. of Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital Radiography</td>
<td>58330</td>
</tr>
<tr>
<td>CONTRAST PROCEDURES &amp; INTERVENTIONAL RADIOLOGY</td>
<td>1614</td>
</tr>
<tr>
<td>MRI</td>
<td>2091</td>
</tr>
<tr>
<td>MAMMOGRAPHY</td>
<td>43</td>
</tr>
</tbody>
</table>
### Interventional Radiological Procedures done from April 2014 – March 2015

<table>
<thead>
<tr>
<th>Name of procedures</th>
<th>Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percutaneous Nephrostomy (PCN)</td>
<td>75</td>
</tr>
<tr>
<td>Hysterosalpingography (HSG)</td>
<td>153</td>
</tr>
<tr>
<td>Percutaneous Transhepatic Biliary Drainage (PTBD)</td>
<td>22</td>
</tr>
<tr>
<td>Digital Subtraction Angiography (DSA)</td>
<td>32</td>
</tr>
<tr>
<td>Cholangiogram</td>
<td>08</td>
</tr>
<tr>
<td>Fistulogram</td>
<td>03</td>
</tr>
<tr>
<td>Sinogram</td>
<td>08</td>
</tr>
<tr>
<td>Nephrostogram</td>
<td>01</td>
</tr>
<tr>
<td>Cystogram, MCU + RGU</td>
<td>122</td>
</tr>
<tr>
<td>Colonogram</td>
<td>01</td>
</tr>
<tr>
<td>Angioplasty</td>
<td>-</td>
</tr>
<tr>
<td>Thrombolisis</td>
<td>04</td>
</tr>
<tr>
<td>TACE</td>
<td>03</td>
</tr>
<tr>
<td>EVLT</td>
<td>08</td>
</tr>
<tr>
<td>Uterine Fibriod Embolization</td>
<td>02</td>
</tr>
<tr>
<td>Broncheal Artery Embolization</td>
<td>05</td>
</tr>
<tr>
<td>Renal Artery Embolization</td>
<td>01</td>
</tr>
<tr>
<td>Hepatic Artery Embolization</td>
<td>02</td>
</tr>
<tr>
<td>Nasopherengial Embolization</td>
<td>-</td>
</tr>
<tr>
<td>Spinal Artery Embolization</td>
<td>02</td>
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</table>

**Total** 87048
<table>
<thead>
<tr>
<th>Procedure</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glenteal Artery Embolization</td>
<td>01</td>
</tr>
<tr>
<td>Brain (Carotic Artery) Embolization</td>
<td>04</td>
</tr>
<tr>
<td>Facial Artery Embolization</td>
<td>-</td>
</tr>
<tr>
<td>Upper Limb Embolization</td>
<td>01</td>
</tr>
<tr>
<td>Left Shoulder Embolization</td>
<td>01</td>
</tr>
<tr>
<td>Sclerotherapy Upper Limb</td>
<td>08</td>
</tr>
<tr>
<td>Sclerotherapy lower Limb</td>
<td>10</td>
</tr>
<tr>
<td>Sclerotherapy Abdomen</td>
<td>02</td>
</tr>
<tr>
<td>Sclerotherapy Tongue</td>
<td>01</td>
</tr>
<tr>
<td>Sclerotherapy Eye Lid</td>
<td>04</td>
</tr>
<tr>
<td>Sclerotherapy Lip</td>
<td>03</td>
</tr>
<tr>
<td>Renal Angioplasty</td>
<td>-</td>
</tr>
<tr>
<td>Aorta Angioplasty</td>
<td>03</td>
</tr>
<tr>
<td>Hepatic Vein Stenting</td>
<td>-</td>
</tr>
<tr>
<td>Cerebral Aneurysm Coiling</td>
<td>07</td>
</tr>
<tr>
<td>PAIR</td>
<td>01</td>
</tr>
<tr>
<td>Drainage</td>
<td>15</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>513</strong></td>
</tr>
</tbody>
</table>

**DEPARTMENT OF RADIOTHERAPY & ONCOLOGY**

**FACULTY:**

<table>
<thead>
<tr>
<th>Post</th>
<th>Capacity</th>
<th>Current status</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor &amp; Head</td>
<td>1</td>
<td>-</td>
<td>Vacant</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>1</td>
<td>-</td>
<td>Vacant</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>2</td>
<td>2</td>
<td>Dr. L. Purnima Devi</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dr Ritesh Kumar (tendered)</td>
</tr>
</tbody>
</table>
Medical Physicist - 2 (two)

**Highlights:**

The Department continued to render service to the needy cancer patients who come with advanced stage, patients who went outside for treatment and referred back along with prescriptions for logistic reasons and also to those patients who cannot afford to go outside for personal reasons, in form of Chemotherapy and Pain Management.

In collaboration with the department of Anesthesiology, Palliative Care Unit is functioning. Oral morphine tablets being dispensed to cancer patients.

Part of Population Based Cancer Registry Project.

**Education:**

**TEACHING ACTIVITIES**

a) Regular training to the Staff Nurses & Nursing students regarding safe Handling of Cytotoxic Drugs  
b) Teaching theory classes for MBBS students and B.Sc. Nursing Students and also teaching other students coming from outside hospitals and institutes.  
c) Holding regular Bed side clinics and participating in the Seminars  
d) Presentation in CGR.

**INTERCOLLABORATIVE ACTIVITIES**

- Teaching of participant in palliative care workshop regularly along with Anaesthesiology department.
- Inter-departmental discussions regarding management of cancer patients.

**Lectures delivered at CMEs, National and International Conferences**

**Name of Faculty member:**

Dr. L Purnima Devi

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Title of talk</th>
<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Delivered Guest Lecture On Cancer Awareness Among Women</td>
<td>Women health</td>
<td>09/03/2015</td>
<td>BSNL Office</td>
<td>Shillong</td>
</tr>
</tbody>
</table>
Dr Ritesh Kumar

<table>
<thead>
<tr>
<th>Sl.No.</th>
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<th>Name of the CME/Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Cervical &amp; Breast Cancer Awareness Camp</td>
<td>Health Camp</td>
<td>16/11/2014</td>
<td>BSF</td>
<td>Shillong</td>
</tr>
<tr>
<td>2</td>
<td>Health Camp on Cancer Awareness</td>
<td>World Cancer Day</td>
<td>05/02/2015</td>
<td>BSF</td>
<td>Shillong</td>
</tr>
</tbody>
</table>

**Collaborative Projects: Ongoing**

<table>
<thead>
<tr>
<th>S.No</th>
<th>Title of Project</th>
<th>Collaborating department/institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pattern of Adverse drug reaction (ADR) due to cancer Chemotherapy in Oncology Department of a tertiary care teaching hospital and impact of pharmacovigilance in ADR reporting. <em>(As a Co-investigator)</em></td>
<td>Pharmacology</td>
</tr>
<tr>
<td>2</td>
<td>Pattern of analgesic utilization in Oncology setting of a tertiary care hospital, NEIGRIHMS. <em>(As a Co-investigator)</em></td>
<td>Pharmacology</td>
</tr>
</tbody>
</table>

**Patient Care:**

OPD service is being carried out from Monday to Friday from 9.00 am to 4.00 pm and on Saturday from 9.00 am to 2.00 pm (except holidays).

**EMERGENCY SERVICE**

- 24hrs including holidays.

**DAY CARE SERVICES**

- Day care services are being carried out every Monday to Saturday.
- Day care chemotherapy services
- Minor procedures in day care

**IN-PATIENT SERVICES**

- Oncology Ward is functioning with 16 beds including Day Care service, to provide best possible clinical support to the needy cancer patients.
- Patients are also admitted in Private Ward.
- Minor procedures.

**DEPARTMENTAL STATISTICS**

- New Patients (OPD): 156
- Referral from other department: 401

- **Total number of new patients:** 557
- **Total no of patients followed up:** 2683

**Site wise**

<table>
<thead>
<tr>
<th>Site</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Esophagus</td>
<td>122</td>
</tr>
<tr>
<td>Lung</td>
<td>84</td>
</tr>
<tr>
<td>Head &amp; neck</td>
<td>63</td>
</tr>
<tr>
<td>Stomach</td>
<td>68</td>
</tr>
<tr>
<td>Breast</td>
<td>42</td>
</tr>
<tr>
<td>Lymphoma</td>
<td>36</td>
</tr>
<tr>
<td>Colon</td>
<td>38</td>
</tr>
<tr>
<td>Brain</td>
<td>22</td>
</tr>
<tr>
<td>Sarcoma</td>
<td>18</td>
</tr>
<tr>
<td>Bone tumors</td>
<td>10</td>
</tr>
<tr>
<td>Cervix</td>
<td>12</td>
</tr>
<tr>
<td>Ovary</td>
<td>8</td>
</tr>
<tr>
<td>Endometrium</td>
<td>4</td>
</tr>
<tr>
<td>Prostate</td>
<td>5</td>
</tr>
<tr>
<td>Bladder</td>
<td>6</td>
</tr>
</tbody>
</table>
Others: 19

- Total no of patient treated under Day care: 190
- Total no patient admitted in Oncology ward: 763
- Total number of chemotherapy cycles administered as the inpatient service: 1240
- Total number of inter departmental consultation attended & offered: 401

<table>
<thead>
<tr>
<th>Department</th>
<th>Count</th>
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<tbody>
<tr>
<td>General Medicine</td>
<td>111</td>
</tr>
<tr>
<td>General Surgery</td>
<td>119</td>
</tr>
<tr>
<td>ENT</td>
<td>45</td>
</tr>
<tr>
<td>Gynecology</td>
<td>28</td>
</tr>
<tr>
<td>Orthopedics</td>
<td>17</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>06</td>
</tr>
<tr>
<td>Urology</td>
<td>10</td>
</tr>
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<td>Neurology</td>
<td>20</td>
</tr>
<tr>
<td>Neuro Surgery</td>
<td>21</td>
</tr>
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<td>CTVS</td>
<td>06</td>
</tr>
<tr>
<td>Ophthalmology</td>
<td>03</td>
</tr>
<tr>
<td>Cardiology</td>
<td>09</td>
</tr>
<tr>
<td>Dermatology</td>
<td>01</td>
</tr>
<tr>
<td>ICU</td>
<td>05</td>
</tr>
</tbody>
</table>

- Total number of minor procedures performed: 140
  - Ascetic tapping: 80
  - Pleural tapping & Pleuredesis: 35
  - Bedsore Debridement: 25
DEPARTMENT OF UROLOGY

FACULTY:

<table>
<thead>
<tr>
<th>Post</th>
<th>Capacity</th>
<th>Current status</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
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<td>1</td>
<td>-</td>
<td>Vacant</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>1</td>
<td>1</td>
<td>Dr. Stephen L. Sailo</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>2</td>
<td>2</td>
<td>Vacant</td>
</tr>
</tbody>
</table>

**Highlights:**

The Department provides the latest state of the earth treatment for all Types of urological diseases including Holmium Laser Eneucleation of the prostate, Extra-corporeal Shock Wave Lithotripsy, minimally invasive treatment for bladder tumours and stones. The department caters to patients not only from Meghalaya, but also from various states of the North-East Mizoram, Nagaland, Arunachal and Tripura.

**Education:**

1. Department Seminar/Journal Reading – Every Friday
2. MBBS Class – Friday
3. Nursing class – Friday
4. Post-graduate Students from the Department of General Surgery come for two months for their peripheral posting.

**List of oral papers/posters presented:**

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Authors</th>
<th>Title of presentation</th>
<th>Name of the Conference</th>
<th>Date</th>
<th>Venue</th>
<th>City</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. S.L.Sailo Dr. S.W.Hasan</td>
<td>Management of VVF – Our experience over 8 years</td>
<td>PEN RECON 2014 Ahmedabad</td>
<td>23rd – 24th August 2014</td>
<td>Gujarat University Convention and Exhibition</td>
<td>Ahmedabad</td>
</tr>
</tbody>
</table>

**Departmental projects (including thesis/dissertations): Ongoing**

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Title of project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Urodynamic Study in Diabetics, NEIGRIHMS</td>
</tr>
<tr>
<td>2</td>
<td>Management and outcome of VVF in a tertiary care hospital</td>
</tr>
</tbody>
</table>

**Patient Care:**

The department sees 160-180 patients on OPD days and provides all the latest treatments for various urological diseases. The department is equipped with Holmium Laser-100
The College of Nursing, NEIGRIHMS is located towards the North to the Director’s Block, NEIGRIHMS, Mawdiangdiang, Shillong. It was established in the year 2006 with an intake of 50 students per annum. The College is currently offering a 4-year B.Sc Nursing Course.

The College is recognized by the Indian Nursing Council / Meghalaya Nursing Council. It is affiliated to the North Eastern Hill University, Shillong.

**MANPOWER**

**Teaching Staff:**

1. Professor-cum- Principal - Vacant
2. Professor-cum-Vice Principal - Vacant
3. Ms C. E. Myrthong, Master of Nursing - Assoc. Professor / Reader *Holding the office as Principal I/c wef 24.12.2010- till date*
9. Tutor/Clinical Instructor - 14 nos.

The College is assisted by a number of external guest lecturers who are invited to teach the B.Sc Nursing students on subject like Introduction to Computer, Nutrition, Sociology, English, Psychology, Khasi and Statistics.

A few classes on the subjects like Anatomy, Physiology, Biochemistry, Pharmacology, Medical Surgical Nursing I & II, Pediatric Nursing, part of Obstetric & Gynecological Nursing, Genetics, Pathology and
Microbiology etc are also being assisted by medical Faculty of various Departments from NEIGRIHMS Hospital.

**Non-Teaching Staff:**

1. Sr. Stenographer - 1
2. UDC - 1
3. Warden - 1
4. House Keeper - 1

The Institute is employing outsourced manpower for other positions like Clerks, Cooks, Cleaners, attendants etc in the College and Student’s hostel.

**STUDENTS STATISTICS**

<table>
<thead>
<tr>
<th></th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>M</td>
</tr>
<tr>
<td>1st Year Students</td>
<td>= 54 (Meghalaya 35, Manipur 9, Assam 6, Arunachal Pradesh 1, Nagaland – 1, West Bengal – 1, Tripura - 1)</td>
</tr>
<tr>
<td>2nd Year Students</td>
<td>= 51 (Meghalaya 23, Manipur 20, Assam 7, Arunachal Pradesh 1)</td>
</tr>
<tr>
<td>3rd Year Students</td>
<td>= 45 (Meghalaya 16, Manipur 23, Assam 4, Nagaland 1, Arunachal Pradesh 1)</td>
</tr>
<tr>
<td>4th Year Students</td>
<td>= 44 (Meghalaya 24, Manipur 16, Assam 1, Nagaland 3)</td>
</tr>
<tr>
<td>Total No. of students - 194</td>
<td></td>
</tr>
</tbody>
</table>

- The Fifth Batch of B.Sc Nursing students graduated on July, 2014. Out of 57 students appearing for final year exam 35 students passed with 1st class and 22 students passed with 2nd class. The passing percentage was 100%.
- The Sixth Batch of B.Sc Nursing Students is expected to pass out during July 2015.

**FRESH INTAKE OF STUDENTS - session 2014-15**

The entrance exam for the session 2014-2015 was conducted on 22nd June 2014 and the new session started on 8th July 2014.

Advertisement for admission to B.Sc. Nursing 10th Batch (for 2015-2016) session was uploaded in the Institute’s website at www.neigrihms.gov.in Registration and Filling up of Application Form was done via ONLINE mode only w.e.f. 5th May 2015 to 8th June 2015.
HOSTEL FACILITIES

- The College is having hostel facilities for girls with an intake capacity of 200. However, boys are accommodated in Type ‘D’ Quarters.

ACADEMIC ACTIVITIES

The academic activities were conducted during the year 2014-2015 were as per the guidelines of the Indian Nursing Council. Practical experience was largely gained at NEIGRIHMS hospital. Apart from the regular clinical placement at NEIGRIHMS, students were also sent for clinical experience in various institutions / set-ups as under:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Place</th>
<th>Period</th>
<th>Batch</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Reid Provincial Chest Hospital, Shillong</td>
<td>08.09.2014 – 04.10.2014</td>
<td>2nd year</td>
</tr>
<tr>
<td>2.</td>
<td>Ganesh Das Hospital, Shillong</td>
<td>07.07.2014 – 08.02.2015</td>
<td>3rd year and 4th year</td>
</tr>
<tr>
<td>3.</td>
<td>MIMHANS, Shillong</td>
<td>04.08.2014 – 09.11.2014</td>
<td>3rd year and 4th year</td>
</tr>
<tr>
<td>4.</td>
<td>Mawroh PHC, Shillong (Rural experience)</td>
<td>06.10.2014 – 01.11.2014</td>
<td>2nd year</td>
</tr>
<tr>
<td>5.</td>
<td>Pomlum PHC, Shillong (Rural experience)</td>
<td>06.10.2014 – 01.11.2014</td>
<td>2nd year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>06.10.2014 – 01.11.2014</td>
<td>2nd year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>06.10.2014 – 01.11.2014</td>
<td>2nd year</td>
</tr>
<tr>
<td>9.</td>
<td>Sanker Rehabilitation Centre, Mawroh</td>
<td>14.07.2014 – 23.08.2014</td>
<td>3rd Year</td>
</tr>
</tbody>
</table>

Activities conducted by the students during their clinical posting in different Institutions as mentioned above are as under:-
<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Place</th>
<th>Activities performed</th>
<th>By whom</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Mawpat UHC</td>
<td>Intensified Diarrhea Control Fortnight was observed</td>
<td>4th Year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Poster display</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Role Play on Prevention of Diarrhoea and Importance of breast feeding</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Psiar Village</td>
<td>Project work on “Take one step each day for a healthier life”</td>
<td>2nd Year</td>
</tr>
<tr>
<td>3.</td>
<td>Nongpiur Village</td>
<td>Project Work on “Small steps towards a healthy future”</td>
<td>4th Year</td>
</tr>
<tr>
<td>4.</td>
<td>Myrkhan Village</td>
<td>Project work on “Keeping healthy for a better tomorrow”</td>
<td>4th Year</td>
</tr>
<tr>
<td>5.</td>
<td>Mawnianglah Village</td>
<td>Project work on “Be Hygienic, Be Healthy”</td>
<td>2nd Year</td>
</tr>
<tr>
<td>6.</td>
<td>Pynthorunkhrah UHC &amp; Rynjah State Dispensary</td>
<td>Participated in IPPI Programme</td>
<td>2nd Year</td>
</tr>
<tr>
<td>7.</td>
<td>Laitlum ICDS Centre</td>
<td>Project Work on “Malaria and its prevention”</td>
<td>2nd Year</td>
</tr>
<tr>
<td>8.</td>
<td>Mawpat UHC</td>
<td>Awareness Programme on “Iodine deficiency disorder”</td>
<td>2nd Year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Poster display</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Role Play</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>Umsaw Village</td>
<td>Project Work on “Health is Wealth”</td>
<td>4th Year</td>
</tr>
<tr>
<td>10.</td>
<td>Laitlum Aganwadi Centre</td>
<td>Project work on “Tuberculosis, its prevention and management”</td>
<td>4th Year</td>
</tr>
</tbody>
</table>

Apart from the above regular activities, 4th Year B.Sc. Nursing students were divided into 8 (eight) groups for conducting Research Project on the following:-

1. “A study to assess the natural history of treatment methods, referral pattern and practices of renal calculi patients from the onset of symptoms experienced till the time of admission”. Guide: Shri.L.Anand, Lecturer, College of Nursing
2. “A study to assess the knowledge regarding care of arteriovenous fistula among patients undergoing hemodialysis in NEIGRIHMS Hospital ” Guide: Shri.L.Anand, Lecturer, College of Nursing
4. “A study to assess the knowledge and expressed practice regarding cervical cancer and its prevention among female aged 20 to 50 years in a selected rural area of Meghalaya.” Guide: Smt.N.Tase, Lecturer, College of Nursing

5. “A study to assess the effectiveness of health education programme (HEP) for dental carries and its prevention in terms of knowledge and practice of primary school going children in a selected school of Meghalaya” Guide:Smt.N.Tase, Lecturer, College of Nursing

6. “A study to assess the knowledge regarding post menopausal syndrome among women of age group of 45-60 years in a selected community area of Meghalaya” Guide : Smt.J.Haobibam, Lecturer, College of Nursing

7. “A descriptive study to assess the knowledge and perceived ill effects of Alcohol consumption among higher secondary school students of a selected school in an urban area, Shillong.” Guide : Smt.B.Khongbuh, Lecturer, College of Nursing

8. “A study to assess the knowledge and expressed practice of care givers having under-five children regarding Acute Respiratory Infection and its prevention in a selected urban community” Guide : Ms.C.E.Mythong, Principal, College of Nursing.

In addition to the above, the students were also sent to the following Institutions for one day educational visit to gain first-hand knowledge:-

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Place</th>
<th>Period</th>
<th>Batch</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>SOS Children Village, Umiam</td>
<td>23.08.2014</td>
<td>2nd year</td>
</tr>
<tr>
<td>2.</td>
<td>Milk Dairy, Mawiong</td>
<td>14.11.2014</td>
<td>2nd year</td>
</tr>
<tr>
<td>4.</td>
<td>Waste Disposal Treatment Plant, Mawiong</td>
<td>23.01.2015</td>
<td>2nd year</td>
</tr>
<tr>
<td>5.</td>
<td>Mercy Home, Mananryting, Shillong</td>
<td>08.11.2014</td>
<td>2nd year</td>
</tr>
<tr>
<td>7.</td>
<td>The Greater Shillong Water Supply Scheme, Mawphlang</td>
<td>05.12.2014</td>
<td>2nd year</td>
</tr>
</tbody>
</table>

**UNIVERSITY / SELECTION EXAMINATION**

The University Examination 2014 (April) of B.Sc. Nursing Course was conducted under the aegis of NEHU. The University results of students are as below:-

1st Year - Passed 81.03 % (Appeared 58, Passed 47)
2nd Year - Passed 95.56 % (Appeared 45, Passed 43)

3rd Year - Passed 100 % (Appeared 44, Passed 44)

4th Year - Passed 100 % (Appeared 57, Passed 57)

The Selection Examination was conducted internally by the College in December, 2013.

**EXTRA CURRICULAR ACTIVITIES OF STUDENTS:**

- **5th May 2015**
  The general body meeting of the SNA Unit along with the Principal and teaching staff of College of Nursing, NEIGRIHMS was held on the 5th May 2015.
  The agenda discussed were:
  - Reading of the last minute
  - Confirmation of the minute
  - Report from unit SNA general Secretary
  - Report from unit SNA Treasurer and Fund raising Secretary
  - Election of new SNA Advisor and office bearers.
  - Reading of report from April 2013-April 2014
  - Other business

  Confirmation of the minute was proposed by Ms. Lipi Devi and seconded by Ms. Sonu Pradhan and Ms. Deiphi Banri Khongjhiw.

- **DATE 12TH – 18TH May, 2014**
  The Nurses Week Celebration was celebrated from 12th May 2015 to 17th May 2015. A week-long programme was organized wherein the B.Sc.Nursing students also took active participation.

  12th May: *Inauguration* of the Nurses week followed by Poetry Recitation
  13th May: *Badminton* match for staffs and students
  15th May: *Combine Food Fest* at Savio hall Laitumkhrah followed by *poster display, spot painting, floor decoration and dodge ball* for the students
  16th May: *Dancing and singing* competition for staffs and students
  17th May: *Closing ceremony* of Nurses week

- **Date: 1st to 2nd August, 2014**
  *Venue: Paediatrics OPD, NEIGRIHMS*

  Intensified Diarrhoeal Control Fornight (IDCF) was celebrated by College of Nursing, NEIGRIHMS in collaboration with the Department of Paediatrics, NEIGRIHMS. SNA members from 3rd year B.Sc Nursing students took active role by health teaching on
diarrhoea and breastfeeding. Also demonstration on preparation of home-made ORS and readymade ORS sachet was done. Diarrhoea Dos and Don’ts pamphlets were distributed to all the people attending the programme.

- **Date: 5th August, 2014**
  **Venue: School of Nursing, H. Gordon Robert, Hospital, Shillong**
  As part of World Breastfeeding Week celebration, the Indian Academy of Paediatrics (IAP), Meghalaya Branch organized the 4th Inter Nursing Institute Quiz competition to commemorate the World Breastfeeding Week and ORS week. Two representatives from six nursing institutes participated in the quiz competition. Ms. Neizokhonou Nancy and Mr. Raimon Disiar of College of Nursing NEIGRIHMS won the 1st prize and were awarded with cash prize and certificates.

- **Date: 7th August, 2014**
  **Venue: GANESH DAS, Antenatal OPD Hospital**
  The 22nd world Breastfeeding Week was observed on 7th August, 2014 in Ganesh Das Hospital organized by College of Nursing, NEIGRIHMS along with the support of faculties from Ganesh Das Hospital. The theme of this year’s World Breastfeeding week was “Breastfeeding: A winning goal for life!” Short speech related to importance of breastfeeding was given by Madam J.F. Balieh, Matron, Ganesh Das Hospital. A speech related to the theme was given by Madam E. Pyngrope, tutor, College of Nursing, NEIGRIHMS. SNA members from 4th year B.Sc Nursing took active part by role playing, health teaching on breastfeeding. Vote of thanks was given by Mr. B. Syiemlieh, 4th year B.Sc Nursing student, College of Nursing, NEIGRIHMS.

- **Date: 15th August, 2014**
  **Venue: NEIGRIHMS Centre point**
  Independence Day was observed in the Institute with the hoisting of National tricolour by Madam (Dr) V. Raphael, Dean, NEIGRIHMS. Students of B.Sc Nursing and MBBS sang patriotic song on this day.

- **Date: 20th August, 2014**
  **Venue: Auditorium NEIGRIHMS**
  **Fresher’s meet** for the 9th batch B.Sc Nursing was organized by the executive members of SNA along with all the SNA members of 2nd, 3rd and 4th year B.Sc Nursing.

- **Date: 23rd August, 2014**
  The 2nd year B.Sc Nursing students of the 8th batch visited the SOS children’s village, Umiam, Meghalaya as part of their curriculum.

- **Date: 5th September, 2014**
  **Venue: Auditorium NEIGRIHMS**
Teacher’s day was celebrated in the Institute which was organized by both the B.Sc Nursing and MBBS students. The Chief Guest was Dr. A. G. Ahangar, Director, NEIGRIHMS and the Guest of Honour was Madam C.E. Myrthong, Principal, College of Nursing, NEIGRIHMS.

- **Date: 15th to 20th September, 2014**
  **EUPHORIA (Institutional week)**

On the 15th September, 2014, opening ceremony was organized by the Sports Committee. The function started with ‘Torch bearing’ followed by March pass by B. Sc Nursing and MBBS students. The theme of the week was “Spirit in Motion”. All SNA members took active part in various programs along with MBBS and PG students. Closing ceremony was on the 20th September, 2014 where prizes were distributed to all the winners of the Euphoria week, 2014.

- **Date: 2nd October, 2014**
  **SWACH BHARAT ABHIYAN** or CLEAN INDIA CAMPAIGN was observed on this day. College of Nursing, NEIGRIHMS being a part of the central institute took active part in the cleaning drive which started at 7 a.m. where all the teaching and non-teaching staffs of the college participated. Attendance of the students were taken prior to and after the cleaning drive. At 1p.m., all the students, assemble in the college premises in the presence of the Dean, Deputy Director and other faculty of NEIGRIHMS, to take the pledge, whereby Madam C.E Myrthong, Principal, College of Nursing, lead the pledge.

- **Date: 31st October, 2014**
  To commemorate the death anniversary of Late Indira Gandhi, NEIGRIHMS organised a “RUN FOR UNITY” Programme to pay tribute to Independent First Woman Prime Minister of India. The day is being celebrated as “NATIONAL REDEDICATION DAY” for promoting peace and harmony amongst the community as well as unity and integration of the Nation. Principal, College of Nursing, flagged off a run for unity from the hospital to the indoor stadium of the institute after addressing participants of the run.

- **Date: 5th November, 2014**
  **Venue: NEIGRIHMS, Auditorium**
  **The 5th lamp lighting and oath taking ceremony** for the 8th batch was organised in the institute auditorium by college of Nursing, NEIGRIHMS. The chief guest of the function was Mrs. Roshan Warjri, Home Minister, Govt. of Meghalaya. The lighting of the inaugural lamp was done by the Chief Guest and other dignitaries of the institute. It was followed by the 2nd Graduation programme of the 5th batch of College of Nursing, NEIGRIHMS. Momentos and certificates were distributed to the graduated by the chief guest in presence of the Director, Dean, Deputy Director and Principal College of
Nursing, NEIGRIHMS. The 1\textsuperscript{st} three toppers were awarded with a prize money of Rs.10,000, Rs. 7000 and 5000 respectively.

- Date: 8\textsuperscript{th} November, 2014
  \textit{Mercy Home, Madanrting, Shillong was visited by the 2\textsuperscript{nd} year B.Sc Nursing} students as part of their educational activity under the guidance of Madam. N. Singha, Lecturer, and Madam S. Premila, Tutor, College of Nursing, NEIGRIHMS.

- Date: 14\textsuperscript{th} November, 2014
  \textit{Central Dairy, Mawiong}, Shillong was visited by the 8\textsuperscript{th} batch 2\textsuperscript{nd} year B.Sc Nursing students as part of their educational activity under the guidance of Madam K. Newar and Madam J. B. Handique, Tutors, College of Nursing, NEIGRIHMS.

- Date: 21\textsuperscript{st} November, 2014
  \textit{Leprosy Center}, Nongpoh, Meghalaya was visited by the 8\textsuperscript{th} batch 2\textsuperscript{nd} year B.Sc Nursing students as part of their educational activity under the guidance of Madam N. Singha, Lecturer, and Madam Purabi, Tutor, College of Nursing, NEIGRIHMS.

- Date: 5\textsuperscript{th} December, 2014
  Greater Shillong Water Supply, Mawphlang, Meghalaya, was visited by the 8\textsuperscript{th} batch 2\textsuperscript{nd} year B.Sc Nursing students as part of their educational activity under the guidance of Sir. L. Anand, Lecturer, and Madam J. Kumar, Tutor, College of Nursing, NEIGRIHMS.

- Date: 17\textsuperscript{th} December, 2014
  The Pre-Christmas Celebration was celebrated in the Institute’s Auditorium. The SNA members of College of Nursing, NEIGRIHMS took part in the institute’s Pre-Christmas celebration by participating in singing, melo drama and performing choreography.

- Date: January 19\textsuperscript{th} – 20\textsuperscript{th}, 2015
  The 2\textsuperscript{nd} year B.Sc Nursing students participated in the PPI for two days – 19\textsuperscript{th} and 20\textsuperscript{th} Jan, 2015. The students were divided into two groups – Pynthorbah Urbah Health Centre, guided by the Madam Meenakshi Devi and Nongmynsong Subcentre, guided by Madam Jyotima Handique, Tutors, College of Nursing, NEIGRIHMS.

- Date: 23\textsuperscript{rd} January, 2015
  \textit{Sewage Disposal, Mawiong}, Meghalaya, was visited by the 8\textsuperscript{th} batch 2\textsuperscript{nd} year B.Sc Nursing students as part of their educational activity under the guidance of Madam Meenakshi and Madam Purabi, Tutors, College of Nursing, NEIGRIHMS.
Date: 26th January, 2015

Republic day was celebrated in the Institute infront of the Casualty Block of the Hospital. The chief Guest of the function was Dr. A.G.Ahanger, Director of NEIGRIHMS who unfurled the National Tricolour amidst the presence of Medical Faculties, Resident Doctors, Para-medical staff and other staff and the residents. The B.Sc.Nursing students also participated in the celebration and took part in singing patriotic songs.

Date: 23rd – 24th February, 2015

Thirty eight 2nd year B.Sc Nursing students participated in the PPI for two days – 23rd and 24th Feb, 2015. The students were divided into two groups – Pynthorbah Urban Health Centre and Nongmynsong Subcentre. On the first day, firstly, the students went to their respective UHC and SC, after which they were further divided into 2-3 students in a group in one booth. Mopping up was done on the second day.

Date: 4th March, 2015

As part of the 3rd Annual Day Celebration of the Institute, there was a scientific paper presentation hosted by the Scientific and Research Committee of NEIGRIHMS, Shillong. The presentation was divided into different platforms. In the Nursing platform there were nine presentations presented by nine 4th year B.Sc Nursing students. The paper “A descriptive study to assess the knowledge and perceived ill effects of alcohol consumption among higher secondary school students of a selected school in an urban area, Shillong” presented by Ms. Daisy Mary Sawkmie was awarded as the best paper.

Date: 5th March, 2015

The 3rd Annual Day of the institute was observed. The inaugural function started at 11 a.m in the Institute’s Auditorium wherein Dr. Mukul Sangma, Honourable Chief Minister, Government of Meghalaya graced the function as the Chief Guest.

Date: 7th March, 2015

Venue: Mawlynnong, Meghalaya

On the 7th March, 2015, the SNA members organized a college picnic to Mawlynnong. All SNA members, the teaching and non-teaching staff joined the picnic.

Date: 12th March, 2015
Juvenile, Social Welfare, Dhanketi, Shillong, was visited by the 8th batch 2nd year B.Sc Nursing students as part of their educational activity under the guidance of Madam Jyotima and Madam Rashi, Tutors, College of Nursing, NEIGRIHMS.

- Date: March 20th, 2015
  Venue: Lecture Theatre 1, NEIGRIHMS
  The 4th year B.Sc Nursing students attended Symposia on “Research Methodology and Proposal writing” organized by the Biomedical Research Institute.

- GFATM ACTIVITIES
  Training of Trainers and Training of Nurses

  Name of the Project: GLOBAL FUND FOR AIDS, TUBERCULOSIS AND MALARIA (GFATM).
  - Project Coordinator: Ms C E Myrthong, Principal, College of Nursing NEIGRIHMS.
  - Objective of the Project:
    1. Providing training for Nurses on HIV/AIDS and ART
    2. Providing Training for Nurses on Tuberculosis Care and Control
  - Principal Recipient of training fund in India: Indian Nursing Council, New Delhi
  - Sub Recipient: Belair, Maharashtra
  - Sub-sub Recipient: College of Nursing NEIGRIHMS, Shillong
  - Trainers: Lecturers and tutors from various institute who are trained under GFATM Project.
  - Participants: Participants (nurses) are drawn from both government and private charitable hospitals for training under this project.

  The 1st Training of Nurses programme was conducted in the College of Nursing, NEIGRIHMS on 18.05.2009 to 22.05.2009 and 1st Training of Trainers was conducted in the College of Nursing on 20.07.2009 to 24.07.2009.

- Trainings conducted from April 2014 to March 2015
  - 1st to 3rd May 2014
    Name of Programme: ANM TOT
    Resource person: Ms C E Myrthong, Principal Coordinator College of Nursing NEIGRIHMS
    Ms Bina Khongbuh, Lecturer, College of Nursing, NEIGRIHMS
    Ms Kalpana Newar, Tutor, College of Nursing NEIGRIHMS
    Ms Atifa Begum, Training Coordinator, GFATM Project
    Ms Mamata Choudhury, Asst Director of ICTC (MACS)
    Total No Of Participants: 32
  - 26th to 31st May 2014
    Name of Programme: HIV/AIDS & ART TON
Resource person: Ms C E Myrthong, Principal Coordinator College of Nursing NEIGRIHMS
Ms Jodibala Haobijam, Lecturer, College of Nursing, NEIGRIHMS
Ms Rosema Kom, Tutor, College of Nursing NEIGRIHMS
Ms Silbana Lyngdoh, Tutor, School of Nursing, Civil Hospital Shillong
Ms Ibapynhun Jane Sohkhlet, Tutor, School of Nursing, Roberts Hospital, Shillong
Ms Atifa Begum, Training Coordinator, GFATM Project
Ms Agni Daimie, Project Coordinator, MSNPT, Shillong

Total No Of Participants: 40

- 8th to 13th September 2014
  Name of Programme: HIV/AIDS & ART TON
  Resource person: Ms C E Myrthong, Principal Coordinator College of Nursing NEIGRIHMS
  Ms Bina Khongbuh, Lecturer, College of Nursing, NEIGRIHMS
  Ms Kalpana Newar, Tutor, College of Nursing NEIGRIHMS
  Ms Basyrpalin L Thabah, Asst Matron, Civil Hospital Shillong
  Ms Ibapynhun Jane Sohkhlet, Tutor, School of Nursing, Roberts Hospital, Shillong
  Ms Atifa Begum, Training Coordinator, GFATM Project
  Ms Agni Daimie, Project Coordinator, MSNPT, Shillong

  Total No Of Participants: 33

- 18th to 20th September 2014
  Name of Programme: ANM HIV/AIDS & ART TON
  Resource person: Ms C E Myrthong, Principal Coordinator College of Nursing NEIGRIHMS
  Ms Rinkumoni R Marak, Tutor, School of Nursing Tura Christian Hospital.
  Ms Pallabi Boruah, Clinical Instructor, Sankar Madhab, College of Nursing, Guwahati
  Ms Atifa Begum, Training Coordinator, GFATM Project
  Ms Mamata Choudhury, Asst Director of ICTC (MACS)

  Total No Of Participants: 26

- 31st October 2014
  Name of Programme: State Level Nursing Superintendent Workshop
  Resource person: Ms C E Myrthong, Principal Coordinator College of Nursing NEIGRIHMS
  Mr S N Misra, Senior Technical Advisor, Futures Group, Gurgoan
Dr M Mawrie, DTO East Khasi Hills, Meghalaya
Ms Jodibala Haobijam, Lecturer, College of Nursing, NEIGRIHMS
Ms Esther S Roy, Professor, College of Nursing NBMC, West Bengal
Ms Atifa Begum, Training Coordinator, GFATM Project

Total No Of Participants : 45

- **10th to 15th November 2014**
  Name of Programme: HIV/AIDS & ART TON
  Resource person: Ms C E Myrthong, Principal Coordinator College of Nursing
                   NEIGRIHMS
  Ms Geeta Dutta, Principal Nursing Officer, SMK Civil Hospital
  Ms Jodibala Haobijam, Lecturer, College of Nursing, NEIGRIHMS
  Ms Minakshi Devi, Tutor, College of Nursing NEIGRIHMS
  Ms Jomila Pyngrope, Vice Principal, School of Nursing, Civil Hospital, Shillong
  Ms Atifa Begum, Training Coordinator, GFATM Project
  Ms Agni Daimie, Project Coordinator, MSNPT, Shillong

  Total No Of Participants: 35

- **19th to 21st November 2014**
  Name of Programme: ANM HIV/AIDS & ART TON
  Resource person: Ms C E Myrthong, Principal Coordinator College of Nursing
                   NEIGRIHMS
  Ms Mamoni Dutta, Principal, ANM School of Nursing, Guwahati
  Ms Jasmine M Shadap, PHN Tutor, Female Health Worker Training Centre, Ganesh Das Hospital, Shillong
  Ms Atifa Begum, Training Coordinator, GFATM Project

  Total No Of Participants: 33

- **26th to 28th November 2014**
  Name of Programme: TB TON
  Resource person: Ms C E Myrthong, Principal Coordinator College of Nursing
                   NEIGRIHMS
  Ms Kalpana Newar , Tutor, College of Nursing NEIGRIHMS
  Ms Dipika Das Boruah, Principal I/C, School of Nursing MMCH, Guwahati
  Ms Atifa Begum, Training Coordinator, GFATM Project
  Ms Jenniefer Kharwanlang, Sr M&HO, DTC Shillong

  Total No Of Participants: 32

- **3rd to 5th December 2014**
Name of Programme: TB TON
Resource person: Ms C E Myrthong, Principal Coordinator College of Nursing
NEIGRIHMS
Ms Bina Khongbuh, Lecturer, College of Nursing NEIGRIHMS
Ms Phisha Nora Nongpluh, Tutor, School of Nursing, Civil Hospital, Shillong
Ms Atifa Begum, Training Coordinator, GFATM Project
Ms Jenniefer Kharwanlang, Sr M&HO, DTC Shillong

Total No Of Participants: 32

- 10th to 12th December 2014
  Name of Programme: TB TON
  Resource person: Ms C E Myrthong, Principal Coordinator College of Nursing
  NEIGRIHMS
  Ms S Pramila Devi, Tutor, College of Nursing NEIGRIHMS
  Ms Silbana Lyngdoh, Tutor, School of Nursing, Civil Hospital, Shillong
  Ms Atifa Begum, Training Coordinator, GFATM Project
  Ms Jenniefer Kharwanlang, Sr M&HO, DTC Shillong

  Total No Of Participants: 34

- 2nd to 4th February 2015
  Name of Programme: TB TON
  Resource person: Ms C E Myrthong, Principal Coordinator College of Nursing
  NEIGRIHMS
  Ms Rosema Kom, Tutor, College of Nursing NEIGRIHMS
  Ms Thiyarlyne Nongkhla, Tutor, School of Nursing, Civil Hospital, Shillong
  Ms Mebarisha I Khongriah, Training Coordinator, GFATM Project
  Dr M Mawrie, DTO East Khasi Hills, Shillong

  Total No Of Participants: 31

- 9th to 11th February 2015
  Name of Programme: TB TON
  Resource person: Ms C E Myrthong, Principal Coordinator College of Nursing
  NEIGRIHMS
  Ms S Pramila Devi, Tutor, College of Nursing NEIGRIHMS
  Ms Leidlang Dkhar, Tutor, School of Nursing, Ganesh Das Hospital, Shillong
  Ms Mebarisha I Khongriah, Training Coordinator, GFATM Project
  Dr A Kabir, MO I/C, DOTS & DMC, NEIGRIHMS

  Total No Of Participants: 33

- 18th to 20th February 2015
  Name of Programme: TB TON
**Resource person:** Ms C E Myrthong, Principal Coordinator College of Nursing
NEIGRIHMS
Ms S Pramila Devi, Tutor, College of Nursing NEIGRIHMS
Ms Larista Dholing, Public Health Nurse Instructor, Regional Health and Family Welfare Training Centre, Shillong
Ms Mebarisha I Khongriah, Training Coordinator, GFATM Project
Dr M Mawrie, DTO East Khasi Hills, Shillong

**Total No Of Participants:** 31

- **9th to 14th March 2015**
  **Name of Programme:** HIV/AIDS & ART TON
  **Resource person:** Ms C E Myrthong, Principal Coordinator College of Nursing
  NEIGRIHMS
  Ms Kalpana Newar, Tutor, College of Nursing NEIGRIHMS
  Ms Alila Jamir, Tutor, College of Nursing NEIGRIHMS
  Ms Pallabi Chetia, Lecturer, SMCON, Guwahati
  Ms Nabajani Dutta, Lecturer, Army Institute of Nursing, Guwahati
  Ms Mebarisha I Khongriah, Training Coordinator, GFATM Project
  Dr O P Agarwal, Sr M&O, ART Centre Civil Hospital, Shillong.

**Total No Of Participants:** 32

- **16th to 17th March 2015**
  **Name of Programme:** ANM TB TON
  **Resource person:** Ms C E Myrthong, Principal Coordinator College of Nursing
  NEIGRIHMS
  Ms Arunjyoti Dutta, Training Coordinator, RNC, Guwahati
  Ms Daily Happy Langbha, Tutor, School of Nursing, Ganesh Das Hospital, Shillong
  Ms Mebarisha I Khongriah, Training Coordinator, GFATM Project

**Total No Of Participants:** 29

- **19th to 21st March 2015**
  **Name of Programme:** ANM HIV/AIDS & ART TON
  **Resource person:** Ms C E Myrthong, Principal Coordinator College of Nursing
  NEIGRIHMS
  Ms Nirupama Devi, Principal, School of Nursing Nagoan
  Ms Himakshi Kalita, Clinical Instructor, SMCON, Guwahati
  Ms Mebarisha I Khongriah, Training Coordinator, GFATM Project
  Mr Famous Star Marbaniang, Statistical Officer, MACS

**Total No Of Participants:** 25

- **24th to 25th March 2015**
  **Name of Programme:** ANM TB TON
  **Resource person:** Ms C E Myrthong, Principal Coordinator College of Nursing
  NEIGRIHMS
Ms Atifa Begum, Staff Nurse, NEIGRIHMS
Ms Malynda Marbaniang, Tutor, School of Nursing, Ganesh Das Shillong.
Ms Mebarisha I Khongriah, Training Coordinator, GFATM Project
Dr M Mawrie, DTO East Khasi Hills, Shillong.

Total No Of Participants : 22

OTHER ACTIVITIES

- **Anti-Ragging** - Ragging is banned in the College of Nursing, NEIGRIHMS. The Anti-Ragging squad comprising of all teaching faculty and Wardens of the College was constituted in line with the Hon’ble Supreme Court directives on the recommendations of the Lyngdoh Committee.
  No report on ragging was received from the college.
SECTION – B
HOSPITAL ADMINISTRATION

MEDICAL SUPERINTENDENT

Medical Superintendent
Prof. A. C. Phukan, MD, DMV, DSA, WHO Fellow.

Deputy Medical Superintendent.
Dr. B. Borgohain, MBBS, MS(Ortho), DNB(Ortho).

Senior Resident, Deptt. of Hospital Administration.
Dr. Seema Konwar, MBBS, MHA.

The Office of the Medical Superintendent is located at the ground floor near the Entrance of the OPD Block in Room No. 12 of the Main Hospital Complex. Opposite to it is the Registration and Reception area along with the MRD Department.

The Office oversees to all the activities related to patient care services in the Hospital. NEIGRIHMS being a Premier Institute in the entire North East Region is equipped with the best of infra-structure, equipments and human resource offering quality health care services to the patients with the available facilities. The Hospital has total bed strength of 541 which are distributed among various Medical, Surgical and Super speciality Departments. It is well equipped with modern diagnostic and therapeutic facilities provided by the competent and experienced Faculty, Resident Doctors and trained nurses and supporting staff which are delivered either free of cost or at subsidized rates to the patients. It renders patient care services to the people of entire North East Region where maximum beneficiaries are from the State of Meghalaya besides patients from the surrounding North Eastern States and other states of the country. Patients from outside the country like Nepal, Bangladesh, Myanmar and Bhutan also avail to the hospital services. It has State- of-the-art Operation Theatres providing operative services to the needy patients and Intensive Care Units such as CCU, ICCU, PICU, NICU, CTVS-ICU for extending quality intensive and critical care services.

The number of patients availing treatment in NEIGRIHMS for the period from 1\textsuperscript{st} April, to 31\textsuperscript{st} March, 2015 is on the rising trend. The total number of patients who attended Out-Patients Department was 2,54,910 and In-Patient Department was 18,477 where 4,990 patients underwent surgical procedures both major and minor operations during the reporting period. The Hospital also provides various Clinical Laboratory & Diagnostic Services to the patients. The Clinical labs altogether conducted 14,94,399 investigations of different types in the Department of Biochemistry, Pathology and Microbiology during the reporting year. The Diagnostic services
The existing functional Departments in the hospital are:-

1. **Basic Sciences**:
   - Anatomy
   - Biochemistry
   - Community Medicine
   - Forensic Medicine
   - Microbiology
   - Pathology
   - Pharmacology
   - Physiology

2. **Medical Speciality**:
   - Anaesthesiology
   - Dermatology
   - General Medicine
   - Oncology
   - Paediatrics
   - Psychiatry
   - Radiology

3. **Surgical Speciality**:
   - ENT
   - General Surgery
   - Obstetric & Gynaecology
   - Ophthalmology
   - Orthopaedics

4. **Medical Super Speciality**:
   - Cardiology
   - Neurology

5. **Surgical Super Speciality**:
   - CTVS
   - Neuro-Surgery
   - Urol

**Other services of the hospital are:-**

- Ambulance Services
- Blood Bank
Performance for the period 1st April 2014 to 31st March 2015 can be summed up as:-

i. Patients availing OPD & IPD services
   • OPD – 2,54,910
   • IPD – 18,477

ii. Total Births & Deaths recorded
    • Births – 1,794
    • Deaths – 910

iii. Operation conducted
     • Major – 3,355
     • Minor – 1,635

iv. Patients from Meghalaya
    • OPD – 2,42,417
    • IPD – 15,695

v. NE excluding Meghalaya
   • OPD – 12,135
   • IPD – 2,796

vi. Rest of India excluding NE
   • OPD – 334
   • IPD – 19

vii. Outside India (i.e. Bhutan, Nepal, Myanmar and Bangladesh)
     • OPD – 24
     • IPD – 3

Extra Activities:
NEIGRIHMS is also conducting the Annual Health Check-up for the Group – A Officers of All India Services from various Central and State Government Departments. In the year 2014-15 the Officers from the following Departments underwent Annual Health Check-up at NEIGRIHMS:-
IAS, IFS, IPS, IRS, SIB, Postal Department, NEC, Income Tax Department, Custom & Excise Department, CPWD, Ministry of Foreign Affairs, Ministry of Telecommunication, Ministry of Personnel, PG and Pensions, Ministry of Ground Water Resources, GOI and CBI.

Around 75 numbers of officers were rendered the service.

**Conference/Workshop/ Orientation Programme conducted:**

1. Orientation Programme was conducted for 11 Students from Ohio University, College of Medicine, USA was conducted w.e.f 23rd to 25th June 2014 in collaboration with the Deptt. of Community Medicine.
2. Sensitization Programme on H1N1 was conducted on the 2nd March 2015 at NEIGRIHMS

**Conference/Workshop attended by the Officials of Medical Superintendent’s Office:**

A. Prof. A.C Phukan, Medical Superintendent:

3. Meeting at Nirman Bhawan, New Delhi on the 13th October, 2014 for attending the Screening Committee for Faculty.

B. Dr. S. Konwar, SRD, Hospital Administration:

1. **Awards and Recognitions:**
   i) Best Senior Resident Doctor of NEIGRIHMS 2014-2015 – Awarded during the 3rd Annual Day Celebration of NEIGRIHMS
   ii) Director’s Special Award and Certificate of Appreciation for Designing and Developing the Institutes Website—Awarded during the 3rd Annual Day Celebration of NEIGRIHMS 2015

2. **Lecture delivered on**
   i) Guest lecture on Orientation Programme for 1st year Post Graduate and Post Doctoral students, organized by Medical Education Unit, NEIGRIHMS on 23rd July 2014

3. **Contribution as Organizing Committee Member for**
   i) The 3rd Annual Day Celebration of NEIGRIHMS, March 5th 2015.
ii) Seminar on Research Methodology and Biomaterials at NEIGRIHMS, Shillong on 20th and 21st March 2015

4. Conference and Workshop Attended:-


ii) CME on “Clinical Laboratory Quality Management System : Road to Accreditation” organized by the Department of Biochemistry, NEIGRIHMS on May 20th 2014.

iii) Participated in workshop on “New Trends & Best Practice in Managing Hospital Services” - Organized by Advanced Management Institute at India International Centre, New Delhi, dated 26th July to 27 July 2014.

iv) Participated in CME on “Pharmacovigilance” on 28th June 2014, held at NEIGRIHMS, Shillong. Organized under aegis of Indian Pharmacopoeia Commission (IPC) Ministry of Health & Family Welfare, Govt. of India

v) Participated in Integra Healthcare Symposium- “Quality : A tool to enhance and sustain patient experience” - Organized by Integra Ventures in support of National Accreditation Board for Hospitals & Health care Providers (NABH) on 15th Nov 2014, held at Guwahati, Assam

Observance of Occasion:-
The following International Events were observed in the Hospital during the reporting period.

1. World Health Day – 7th April, 2014
2. World Immunization Week – 24th – 30th April, 2014
3. World Environment Day on the 5th June, 2014 along with Plantation Drive
5. World Tobacco Day- 31st May, 2014
6. World Blood Donation Day 14th June, 2014
7. Swachh Bharat – Mass Movement of Clean India was observed on 2nd October, 2014.

During the reporting period the Hospital was visited by various officials/groups:-

1). Visit by the Deputy Secretary, Health & Family Welfare, Govt. of India on the 29th April, 2014.

2). Visit by Prof. Jagdish Prasad, Director General of Health Services, Govt. of India on the 30th April, 2014.
3). Visit by Damon A Williams and Bemvind Pereira from U.S Consulate, Kolkata on 22nd October, 2014


REGISTRATION AND MEDICAL RECORD DEPARTMENT

The Registration and Medical Record Department is headed by the Medical Record Officer under the Supervision of the Medical Superintendent, the staffs attached with the Department are as follows:

1. Prof. A.C. Phukan (Medical Superintendent cum Birth and Death Registrar)
2. Smt. W. Mawthoh (Medical Record Officer)
3. Registration Clerk - 6
4. Record Clerk - 10
5. MTS - 2
6. Outsource - 6

Introduction

The Department of Registration and Medical Records is located at the ground floor, from the main entrance on the left side which covers an area for facilities for patients like public telephone, waiting space for patients and visitors, drinking water facility and nearby toilet facilities. The Department has 3 counters, (i) Indoor admission (ii) Out Patient Counter (iii) Billing Section.

New Registration is done in five counters, senior citizen counter, female counter, follow-up counter, male counter and counter for receiving and distribution of certificates.

The Registration counter functions 24x7. OPD Registration starts at 8:30 am in the morning till 2:00 pm throughout the week except Saturdays where the closing time is 11:00 am. Sunday and other holidays, the OPD remains closed. Registration of patients, both OPD and IPD is done from the MRD Registration Counter. This department is responsible for computerized registration of new patients in different departments and retrieving old files and test reports. The computerization of the department has been done and has been linked to the OPD, emergency and the Medical Superintendent’s Office etc, through involvement of National Informatics Centre (Shillong) but till date link connection has not been done.
I  New Record Care

The In-Patient files within three years from the date of Admission are being kept in the Main Registration Room and are arranged serially according to the IP Number. After every three years, the In-patient files are being transferred to the Store Room which is in the minus one level of the Hospital.

II  Old Record Care

The Department has an old records care room at the minus one (-1) floor adjacent to the mortuary room. The Old records care room is used for reference by the students and doctors for study purpose.

III  Record flow

From the beginning, the Department constituting the Registration Clerk, Record Clerk and some outsource staff have been compiling the outpatient daily reports and monthly reports and other data collected from different departments. They are listed below:

1.  Registration

   OPD

   a. New Registration of Out patients
   b. Follow up registration of patients
   c. Maintenance of daily statistics of follow up patients
   d. Computerized registration of New Outpatients.

   IPD

   a. In patient registration.
   b. Maintenance of statistical report of in-patients from Outside Meghalaya
   c. Maintenance of statistical report on the number of in-patients.
   d. Computerized registration of in patients.

2.  Birth

   a. Registration of Births
   b. Issuing of Birth Certificate
   c. Issuing of Duplicate Birth Certificate
   d. Preparation of Monthly Reports of Birth as per format provided
   e. Entering of birth report details into the giant register
g. Lamination fees are collected and the amount is forwarded to Accounts Section, NEIGRIHMS which is a source of revenue for the Institute.

3. Death
   a. Registration of Deaths
   b. Issuing of Death Certificate
   c. Issuing of Duplicate Death Certificate
   d. Examining documents for settlement of double claim certificate
   e. Forwarding relevant documents for obtaining signature by treating physician from LIC claims
   f. Examining documents of brought dead patients to be sent to District Medical Health Officer with a copy to Diengpasoh PHC for necessary issuing of the claim.
   g. Preparation of Monthly Report of Deaths as per format provided
   h. Entering of death report details into the giant register
   i. Preparation of Annual Birth Report. (Statistical Report)
   j. Lamination fees are collected and the amount is forwarded to Accounts Section, NEIGRIHMS which is a source of revenue for the Institute.

4. Statistical Reports
   a. Maintenance of Monthly OPD Reports (Old, new and referred).
   b. Maintenance of Monthly IPD reports.
   d. Maintenance of Monthly statistics of Investigations and procedures done in all Departments/OPD.
   e. Maintenance of monthly statistics on the number of operations done.
   f. Maintenance of monthly statistics on the number of outside state patients/foreign patients who attended NEIGRIHMS. (IPD and OPD).
   g. All the above mentioned monthly reports are being updated to the Annual Report of the Medical Record Department.

5. Medical Leave (Staff and Outside patient)
   a. Forwarding of Medical Leave of staff and outside patient as per format provided to the Medical Superintendent for signature.
   b. Forwarding of Medical Fitness certificate of staff and outside patient as per format provided to the Medical Superintendent for signature.

6. Medical Claims
   a. Examining documents and all cash receipts of the applicant (staff and outside patient).
   b. Forwarding of Re-imbursement Claims of patient (staff and outside patient) to the Medical Superintendent for Signature.

7. Estimate Treatment
   a. Examining documents of the applicant (staff and outside patient).
   b. Forwarding of the application (staff and outside patient) to the Medical Superintendent for Signature.

8. Referral Treatment (Staff & Outside patient)
a. Forwarding of the application (staff and outside patient) to the Medical Superintendent for Signature.

b. In case of staff of NEIGRIHMS, a Medical Board is fixed on every Wednesday and whenever the case arises.

9. Sterilization
   Reports are collected from Gynecology department, after compilation the same is forwarded to the office of the District Health and Medical Officer.

10. Current Official Work
a. Compilation of Communicable diseases as per format.
b. International Classification of Disease (ICD-10) as per format
c. National Rural Health Mission (National Programme)
d. Investigation and procedures reports a) Microbiology b) Pathology c) Biochemistry d) Urology e) Radiology
e. Records of patient from outside the state, both indoor and outdoor.
f. Maintaining and distributing of Health Cards to all the Neigrihms employees.
g. Medico Legal Cases - kept separately from the inpatient case sheet for safe custody.
h. Records of patients being brought by Emergency Services (EMRI 108).
i. Regarding the In-patient section, the record has been streamlined through the back up register for easier reference.
j. Correspondence and keeping record of Under Trial Patients
k. Medical fitness certificate for new appointment (Outside employee)
l. Sterilization – a) Correspondence
   b) Quarterly Report
m. Lamination of Birth and Death Certificates.

n. Pink OPD cards has been introduced to all the staffs and students of Neigrihms since March 2012.

o. Blue OPD cards for Senior citizens has been introduced since July 2012.

National Health Schemes

The Department collects the datas for preparation of the achievement statistics on the following National Programmes. The reports of the same are being submitted monthly and annually to the State Government.

a) National Rural Health Mission.
b) Revised National Tuberculosis Control Programme.
c) Sterilization Report on family planning.
d) Birth and Death.
Corresponding to the Higher Authority (State Government) for settlement on Double Claimant for one Death Certificate.

Corresponding to the State Government on the Post Mortem death cases referred by Neigrihms etc. on the cases occurred at Neigrihms.

The compiled records from serial 1 to 8 are forwarded on the 5th of every month and serial number 20 is being submitted quarterly to the District Medical and Health Officer, East Khasi Hills and to the Deputy Director and Medical Superintendent respectively.

**Hospital Statistics**

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<thead>
<tr>
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<th>2014-15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Out Patients</td>
<td>254910</td>
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<tr>
<td>IN Patients</td>
<td>18477</td>
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<tr>
<td>Death</td>
<td>910</td>
</tr>
<tr>
<td>Birth</td>
<td>1794</td>
</tr>
</tbody>
</table>

**Outside State Patients:**

| Outpatient            | 12278   |
| IN Patient            | 2801    |

**Operation Theatre**
Major  3355  
Minor  1635  

Bed Strength  541  

Investigations and Procedures:

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<th>2014-15</th>
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</thead>
<tbody>
<tr>
<td>Pathology</td>
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<td>Microbiology</td>
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<td>Biochemistry</td>
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<td>Neurology</td>
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<td>Cardiology</td>
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<td>Orthopaedics</td>
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<td>Gynaecology</td>
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<td><strong>Dietary Unit</strong></td>
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<td>Diet Counselling</td>
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<td>Diet Supply</td>
<td>146498</td>
</tr>
<tr>
<td><strong>Hospital Charges Collected</strong></td>
<td>Rs. 2, 11, 68,900/-</td>
</tr>
</tbody>
</table>

IV  Development of Skilled Work:-

All the Registration Clerks and Records Clerks and Out Source have learned to maintain Statistical Records, operating files, receipt, issuing and drafting medical certificate and current official work. This work is being done after lunch time till closing time except for the registration of the Blue and Pink OPD cards.
V. Improvement of Skilled Work

1. Registration on the Blue/Pink/Health card etc.
2. Hierarchy of Billing Section is flowing regularly for future Official Record.
3. Records maintaining on the Re-imbursement cases State wise.

VI Daily Routine

Additional work being done by the Department comprises of the following

1. Assembling and arranging the IPD Case sheets
2. Medico legal cases to be kept accordingly after arranging and assembling
3. IPD case sheets are arranged serially
4. Issuing of Medical Leave Certificate to patients
5. Referral of patients for treatment to hospitals outside the State as well as within the State.
6. Furnishing of duplicate documents required by the applicant for claiming LIC

NURSING DEPARTMENT

Nursing Department is headed by Nursing Superintendent and is responsible to the Medical Superintendent. Total number of functioning beds in the Institute is 543.

Staff Position:

Nursing Superintendent - 1
Deputy Nursing Superintendent- 8
Ward in charges - 55
Staff Nurses – 328 Permanent & 65 Outsource

Academics and Human Resource Development:-

1. Ward Incharge from Radiology Department attended ISVIR Conference ‘Flow’ 2014 w.e.f from 3rd April, 2014 to 6th April, 2014 in Mumbai.
2. Two staff nurses were sent for Hindi Typing (UNICODE) technical training on 9th April, 2014.
3. One Ward Incharge and one staff nurse from Labour room were sent for training on “Implementation of Whole Blood Finger Prick Testing at Labour Room, NEIGRIHMS using SD Bioline Testing Kit” on the 22nd April, 2014.
4. Nursing Staff participated in various games arranged during the Nurses Week and Food Fest Competition where they won 3rd Prize.
5. One staff nurse from ICU was sent for Training Programme on HIV/AIDS and ART under GFATM-Project (Round-7) from 26th May, 2014 to 31st May, 2014.
6. Staff nurses were sent batch wise during the whole month of June for sensitization & Education Programme on Pharmacology Vigilance.

7. Two Ward Incharge were sent for a two day Hindi Workshop organized by the institute in order to implement official Language Policy of Central Government on the 20th June, 2014 and 21st June, 2015.


9. Twelve Nursing staffs were sent for Hindi Typing Training for the session August, 2014 to January, 2014 at Directorate General Assam Rifles, TOLIC Shillong.

10. Nineteen staff nurses were promoted to the post of Ward Sister.

11. Staff nurses participated in the TNAI XVIII State Biennial Conference held at NEIGRIHMS, w.e.f 12th August, 2014 to 13th August, 2014.

12. Two Staff nurses attended a two day Hindi Workshop organized by the institute on the 20th August, 2014 to 22nd August, 2014.

13. Five staff nurses from the Department of Emergency, CTVS ICU, OT, Cathlab were sent for the 2nd Comprehensive Emergency & Trauma Training Workshop (CETTW) at AIIMS, Delhi from 30th August, 2014 to 6th September, 2014.

14. Two staff nurse were sent for Training Programme on HIV/AIDS & ART under GFATM-Project (Round-7) from 8th September, 2014 to 13th September, 2014.

15. Five staff nurses from CTVS-ICU were sent for a short term refresher training at Cardiothoracic center Department of CTVS, All India Institute of Medical Sciences, New Delhi w.e.f 15th September, 2014 to 29th September, 2014.

16. Four staff nurses were sent for a short term refresher training at Cardiothoracic center Department of CTVS, All India Institute of Medical Sciences, New Delhi w.e.f 1st October, 2014 to 15th October, 2014.

17. Four staff nurses were sent to attend the 6th O.C.C.P Course Conference w.e.f 30th October, 2014 to 3rd November, 2014 at Jaipur.

18. Nursing staffs and two Ward Incharge attended the State level Nursing Superintendent Workshop under GFATM-Project (Phase-II) held at College of Nursing NEIGRIHMS, on 31st October, 2014.

19. All Nursing Staffs took the National Unity Pledge with enthusiasm in their respective Department to commemorate “Rashtriya Ekta Diwas” (National Unity Day) on 31st October, 2014.

20. Thirty three nursing staffs attended the workshop organized by the Department of Pediatric NEIGRIHMS, in collaboration with IAP Meghalaya State Branch on 15th November, 2014.
   - Workshop I-Developmentally supportive care in the newborn
   - Workshop II- Autism
21. One staff nurse from ICU was sent for the Training Programme on HIV/AIDS & ART under GFATM-Project (Round-7) to College of Nursing, NEIGRIHMS from 10th November, 2014 to 15th November, 2014.

22. Two staff nurse from Medicine ward were sent for the Training Programme on TB Care & Control in India under GFATM-Project from 26th November, 2014 to 28th November, 2014.

23. Two staff nurse from Medicine ward and one from Private ward were sent for the Training Programme on Tuberculosis Care & Control in India under GFATM-Project (Round-7) organized by College of Nursing NEIGRIHMS, Shillong from 3rd December, 2014 to 5th December, 2015.

24. Eighty one nursing staffs were sent for Training on Pre-analytical errors for three consecutive days wef 8th December, 2014 to 10th December, 2014.

25. Two staff nurses from Medicine ward and one from Private ward were sent for Training Programme on Tuberculosis Care & Control in India under GFATM-Project (Round-7) organized by College of Nursing NEIGRIHMS, Shillong from 10th December, 2014 to 12th December, 2015.

26. Two staff nurses were sent for rendering of Medical Services to the Dignitaries attending NEC63rd Plenary Meeting on 2nd January, 2015.


28. Three staff nurses were sent for Training Programme on Tuberculosis Care & Control in India under GFATM-Project (Round-7) organized by College of Nursing NEIGRIHMS, Shillong from 2nd February, 2015 to 4th February, 2015.

29. Three staff nurses were sent for Training Programme on Tuberculosis Care & Control in India under GFATM-Project (Round-7) organized by College of Nursing NEIGRIHMS, Shillong from 9th February, 2015 to 11th February, 2015.

30. Three staff nurses were sent for Training Programme on Tuberculosis Care & Control in India under GFATM-Project (Round-7) organized by College of Nursing NEIGRIHMS, Shillong from 18th February, 2015 to 20th February, 2015.

31. One staff nurse was sent as part of the Medical team during the visit of the Hon’ble Union Cabinet Minister, Dr. Harsh Vardhan, Minister of Science & Technology wef 17th February, 2015 to 19th February, 2015.

32. Two Ward Incharge were sent to attend a National Conference on “Nurse Leader towards a New Horizon” at GNRC Auditorium, Dispur on 21st February, 2015.

33. One staff nurse was sent to participate in the Pulse Polio Immunization Programme held at NEIGRIHMS, on 23rd February, 2015 to 25th February, 2015.

34. Two staff nurses were sent for Soft Skills training (Communication, Counseling & Team Building) organized by Christian Medical Association of India, Shillong on 27th February at R.P Chest Hospital, Shillong.
35. Four staff nurses from ICU & Medicine ward were sent for the Training Programme on HIV/AIDS and ART under GFATM-Project (R-7) from 9th March, 2015 to 14th March, 2015.

36. One staff nurse was deputed as Resource Person for the ANM Training Programme on TB Control & Care in India under GFATM-Project (Round-7) organized by the College of Nursing NEIGRIHMS, Shillong on 24th and 25th March, 2015.

37. Nursing Superintendent, Deputy Nursing Superintendent and staff from Medicine, ICU, Pediatric, Surgery were sent for one day CME on Management of MDR Tuberculosis in collaboration with the State Tuberculosis Society (RNTCP) Meghalaya on the 10th March, 2015.

**DIETARY SECTION**

The dietary unit has ample space and has all modern equipments and appliances which have simplified the work. The department is presently catering to more than 350 patients per day.

**Activities:**

The Dietary Department perform two major activities that is

1. Nutritional care of patients
2. Food service management

**1. Nutritional care of Patients**

Nutritional care is provided through an

a) **Out-patient diet clinic**

The assigned Dietician would first check the patients OPD card for diagnosis and diet advice, then only plan the diet and provide a Chart with detailed counselling on how to follow it.

b) **In-patient Nutritional Care**

The assigned Dietician will conduct ward rounds on a daily basis to visit the individual patients in order to assess the nutritional status, to make changes according to the patients need and requirement and to give a brief orientation about our hospital diet. A careful Dietary history of each admitted patients is taken, diagnosis and biochemical parameters are being checked so as to modify the diet according to the diseased condition. Diet Chart and counselling is also being provided at the time of discharged.

**2. Food service management**

Diet is compulsory for all In-patients. Hospital kitchen is being managed on a contractual basis. The meals are prepared and served as per daily instruction given by the Dieticians who maintain a strict check on the quality of food and the services provided.
The major activities that take places in the kitchen are:

a) Receiving of raw materials.
b) Storage of raw materials in proper storage area like the walk in cooler for perishable goods and dry storage area for non-perishable goods.
c) Production of food where various meals are prepared according to prescribed diet plan.
d) Serving of food according to the portion prescribed in the diet plan with the help of standardize cups and serving the diet tray at the patient’s bed side.

The major role of the Dieticians in the food service area is:

a) Compilation of the diet sheets received from all the wards twice a day. Planning of therapeutic diet with the help of a meal card which specifies the calories and protein requirement. The meal card also has a list of food items to be served during each meal. Meal card will be placed on each therapeutic tray at the time of food serving so as to guide the service person on the type of diet, portion size and foods to be given.
b) Planning of Ryle’s Tube Feeds according to the required calories, protein and volume needed.
c) Evaluation of prepared food before serving to the patient.
d) Checking the therapeutic tray of patients during the serving time to ensure that patient received the meal as per the plan given in the meal card.
e) Monitoring of cleanliness of the various areas within the kitchen.

The various types of diet being provided are:

1) Regular Normal diet
2) Soft diet
3) Clear Liquid diet
4) Full Liquid diet
5) Ryle’s tube feeds
6) Jejenostomy feeds
7) Diabetic diet
8) Renal Diet
9) High Protein diet
10) Salt free diet
11) High Fibre Diet
12) Weight Reducing Diet

MAN POWER:

<table>
<thead>
<tr>
<th>SL No.</th>
<th>Name</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Ms. Tyngkaimon Rynjah</td>
<td>Deputy Chief Dietician</td>
</tr>
</tbody>
</table>
2. Ms. Balasara Shisha Lyngdoh  
   Asstt. Dietician (Contract)

3. MTS  
   - 5

4. Computer Clerk  
   - 1

5. Diet Clerk  
   - 1

6. Attendant  
   - 2

**ACADEMIC ACTIVITIES APRIL 2014 TO MARCH 2015**

1. The Dietitian and Asstt. Dietitian attended the Continuing Medical Education (CME) conducted by the Northeast Nutrition and Dietetics Association on the 18th May 2014. A paper presentation on Nutrition in Severe Acute Malnutrition (SAM) is also being delivered by the Asstt. Dietitian during the programme.

2. A 45 days internship programme was conducted for a student from Sam Higginbottom Institute of Agriculture, Technology and Sciences, Allahabad w.e.f 26th May 2014 - 15th July 2014.


4. The Deputy Chief Dietician and Asstt. Dietician attended a one day workshop on Renal Nutrition on the 21st September 2014 in Guwahati organised by Abbott Health care Pvt. Ltd.

5. The Asstt. Dietitian attended and delivered a keynote address on the topic “Role of Dietitian/ Nutritionist in the Health setup and Community”, during the World Food Day Celebration on the 16th October 2014 organised by the Northeast Nutrition and Dietetics Association (NENDA).

**Future Plans**

a) The Dietary Department plan to conduct Internship programme for any interested qualified students in the field of Nutrition.

b) To organize CME programmes on a periodic basis.

c) To improved the hospital diet and to give a better nutritional care to all patient

**Need of the hour**

a) At the present the Dietary Department is functioning with only one Dietician and One Asstt. Dietician (on contract basis) for a 500 bedded hospital. It is the duty of Dieticians to visit all admitted patient and nutritional care must be provide to all. Due to the reason of being under staff the Dietician are unable to see all the In-patients which is a necessity. So, at present the Dietary Department need more Dieticians to be appointed so as to enable the Department to function efficiently and to give more attention to all admitted patients.
The statistics of the Department are as follow

<table>
<thead>
<tr>
<th>Diet Supply</th>
<th>Diet Counselling</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Out - Patients</td>
</tr>
<tr>
<td>146392</td>
<td>742</td>
</tr>
</tbody>
</table>

Swachh Bharat Cleaning Campaign on the 2nd October 2014

LAUNDRY

The laundry functions 8 hours a day and 6 days a week rendering its services to the patients as well as the staffs of the Institute.

Some of the machines available in the department are as follows;

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Particulars</th>
<th>Capacity</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Washing Machine (Electrically operated)</td>
<td>100 kg</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>Washing Machine (Electrically operated)</td>
<td>30 kg</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>Sluicing Machine (Electrically operated)</td>
<td>30 kg</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Hydro Extractor (Electrically operated)</td>
<td>50 kg</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>Dry- cleaning Machine (Electrically operated)</td>
<td>30 kg</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Flat Bed Press (Steam operated)</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Flat Steam Iron (Steam operated)</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>8</td>
<td>Hand Steam Iron ( Steam operated)</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>9</td>
<td>Dryer (Steam operated)</td>
<td>100 kg</td>
<td>4</td>
</tr>
<tr>
<td>10</td>
<td>Mobile Trolley / Table</td>
<td>50 kg</td>
<td>2</td>
</tr>
</tbody>
</table>
In the month of February, 2015 one more washing machine of 30 kg capacity was installed in the department with the increase in the workload.

The department is headed by the Medical Superintendent and assisted by the Laundry I/c. There are altogether 3 permanent staffs in the department, 2 laundry supervisors, 1 posted in the general laundry and another one in the O.T laundry, and a laundry mechanic, newly appointed in the month of June, 2014. With the increase in the work load, the strength of staffs has also increased in the department from 12 to 23 people, wherein the other 11 people were sanctioned in the month of September, 2014 bringing the total strength of outsourced staffs to 25 people.

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Distribution of Work</th>
<th>No of Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Collection and delivery of linen.</td>
<td>6</td>
</tr>
<tr>
<td>2</td>
<td>Washing soiled linen.</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td>Airing of linen.</td>
<td>6</td>
</tr>
<tr>
<td>4</td>
<td>Folding</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>Arrangement of linen.</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>Ironing.(Done by supervisor who is a permanent staff)</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Tailoring</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>26</strong></td>
</tr>
</tbody>
</table>

All staffs are being rotated in different areas as and when required.

**The functions included**

1. Collection and Delivery of Linen
2. Washing soiled linen
3. Ironing
4. Folding
5. Arrangement of linen
**O.T. LAUNDRY**

The O.T Laundry is another section of the general laundry. Situated in the back area of the O.T, it functions 24 hrs a day or according to the number of cases being performed in a day.

The O.T laundry caters to departments in the hospital such as Orthopaedic, Gynaecology, Surgery, C.T.V.S, Urology, E.N.T, Ophthalmology, I.C.U and all surgery related deptts, washing soiled linen and delivering clean and uninfected linen on the same day.

**Account of Linen received by the Laundry Department**

**APRIL 2014 - MARCH 2015**

<table>
<thead>
<tr>
<th>Nos. of Linen from WARD</th>
<th>1,92,855</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nos. of Linen from O.P.D</td>
<td>71,383</td>
</tr>
<tr>
<td>Nos. of Linen from O.T</td>
<td>1,19,001</td>
</tr>
<tr>
<td>TOTAL Nos. of LINEN</td>
<td>3,83,239</td>
</tr>
</tbody>
</table>

**BLOOD BANK**

1. **Location:** The Department of Blood Bank is located at level 0 of the main hospital building midway from the main reception area of the hospital.
2. During the period from 1st April 2014 till 31st March 2015, the number of blood units collected were as follows:
   1) Number of donors screened : 6519
   2) Number of donors accepted :
      - Number of Replacement donors : 4259
      - Number of voluntary donors : 641
3. **STAFF STRENGTH:**
   Medical officer In Charge : 01.
Junior Medical Officer : 01
Junior Resident Doctors : 00

Laboratory Technicians
(1 no under contract with MACS) : 08.
Laboratory Assistants (skilled) : 03.
Laboratory Assistants (Semi-skilled) : 02.
Laboratory Attendants : 04.
Staff nurse : 01.
Counselor : 00.
Record Clerk : 00.
Cleaner : 01.

4. VOLUNTARY BLOOD DONATION CAMPS

A total of 18 Voluntary Blood Donation camps were held during the said period involving the following Institutes & organizations:

i. In house : 05 Nos

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Organization/Institute</th>
<th>Dated</th>
<th>No. of units Collected</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>World Mission Society Church of God, Shillong</td>
<td>21st May 2014</td>
<td>61 nos</td>
</tr>
<tr>
<td>2.</td>
<td>Thalai Kristian Pawl, Shillong</td>
<td>23rd of July 2014</td>
<td>34 nos</td>
</tr>
<tr>
<td>3.</td>
<td>The Calvary Bible College, Shillong</td>
<td>8th September 2014</td>
<td>28 nos</td>
</tr>
<tr>
<td>4.</td>
<td>K.L Bajoria College, Shillong</td>
<td>16th of October 2014</td>
<td>6 nos</td>
</tr>
<tr>
<td>5.</td>
<td>Department of Pediatrics, NEIGRIHMS</td>
<td>3rd February 2015</td>
<td>13 nos</td>
</tr>
</tbody>
</table>

ii. Out house : 13 Nos.
<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Organization/Institute</th>
<th>Date</th>
<th>No. of units Collected</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>44 Battalion, BSF, Mawpat, Shillong</td>
<td>31st May 2014</td>
<td>14 nos</td>
</tr>
<tr>
<td>2.</td>
<td>73rd Battalion, BSF, Mawpat, Shillong</td>
<td>16th of June 2014</td>
<td>23 nos</td>
</tr>
<tr>
<td>3.</td>
<td>Ri-Bhoi College, Nongpoh</td>
<td>5th of August 2014</td>
<td>22 nos</td>
</tr>
<tr>
<td>4.</td>
<td>The Heritage - A Socio Cultural Organization, R&amp;R Colony, Rynjah</td>
<td>15th of August 2014</td>
<td>60 nos</td>
</tr>
<tr>
<td>5.</td>
<td>The National Institute of Technology, Meghalaya</td>
<td>29th of August 2014</td>
<td>54 nos</td>
</tr>
<tr>
<td>6.</td>
<td>19th Battalion, BSF, Mawpat, Shillong</td>
<td>30th August 2014</td>
<td>38 nos</td>
</tr>
<tr>
<td>7.</td>
<td>The NSS Unit, NEHU, Shillong Meghalaya</td>
<td>13th of September 2014</td>
<td>55 nos</td>
</tr>
<tr>
<td>8.</td>
<td>NSS &amp; RRC units of Sngap Syiem College, Mawkyrwat</td>
<td>29th of October 2014</td>
<td>8 nos</td>
</tr>
<tr>
<td>9.</td>
<td>Lady Keane college, Shillong</td>
<td>1st of November 2014</td>
<td>29 nos</td>
</tr>
<tr>
<td>10.</td>
<td>State central Library, Shillong</td>
<td>1st of December 2014</td>
<td>3 nos</td>
</tr>
<tr>
<td>11.</td>
<td>Composite Hospital, BSF, Umpling, Shillong</td>
<td>2nd of December 2014</td>
<td>64 nos</td>
</tr>
<tr>
<td>12.</td>
<td>Shillong Bar Association, Shillong</td>
<td>4th of December 2014</td>
<td>25 nos</td>
</tr>
<tr>
<td>13.</td>
<td>Ramakrishna Mission, Shillong</td>
<td>12th of January 2015</td>
<td>21 nos</td>
</tr>
</tbody>
</table>

5. TESTS PERFORMED IN THE BLOOD BANK:

A. ROUTINE TESTS (No. of tests done in the said period):

i. Blood Grouping : 15671
ii. Cross-matching : 7273
iii. TTI screening (reactive) : 157
   (For HIV1&2, HBV, HCV, Syphilis and Malaria)

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>TTI</th>
<th>No. of tests done</th>
<th>No. of positive cases</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
1. HIV 4900 07
2. HBsAg 4900 46
3. HCV 4900 19
4. Syphilis 4900 84
5. HBV + HIV 4900 01

iv. Antibody screening. : 8686 nos.

v. Antibody identification done : 20 nos
   Identified : 20 nos.
   Unidentified : Nil.

vi. Work up on Transfusion Reactions. : 22 nos.

B. SPECIAL TESTS (No. of tests done in the said period):

i. Rare Antigen typing (Rh, Kell, Duffy, MNS, P1, Lewis, Kidd, etc): 250 nos.
ii. Adsorption and Elution : 20 nos
iii. Neutralization : 20 nos.

6. Blood and Blood products issued:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Blood / Blood product</th>
<th>No. of Issues</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Whole Blood</td>
<td>0</td>
</tr>
<tr>
<td>2.</td>
<td>Packed Red Cell</td>
<td>4776</td>
</tr>
<tr>
<td>3.</td>
<td>Fresh Frozen Plasma</td>
<td>2830</td>
</tr>
<tr>
<td>4.</td>
<td>Platelet Concentrate</td>
<td>1974</td>
</tr>
<tr>
<td>5.</td>
<td>Cryoprecipitate</td>
<td>258</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>9838</strong></td>
</tr>
</tbody>
</table>

7. ACADEMICS:
1. We have been conducting continuous academic programs for doctors, technicians, and staff, nurse on a weekly basis on various topics on Blood Banking and Transfusion Medicine.
2. Training of other technicians from other Blood Bank of the state have been conducted.
4. Participated in the hospital academics with a presentation on “Choice of Blood and Blood products” in the hospital grand round from the Department of Blood Bank.
5. At present three projects are underway, out of which one is DBT funded (3rd year) and two are in collaboration with the Departments of Dermatology and Anesthesiology, NEIGRIHMS.

8. OTHER ACTIVITIES:


MEDICAL SOCIAL SERVICE UNIT

The Unit is run by Medical Social Workers and falls directly under the supervision of the Medical Superintendent.

The hub of activities of Medical Social Services Unit is located in the Ground Floor.

Staff:-

Smt. Badrity Diengdoh – Incharge
Smt. Bashisha Chyne
Smt. Lugracia M.Shullai

Services offered:-

- Counselling
- Care Planning
- Financial Assistance
- Assessment for exemption of investigations
- Assisting and management of medicines / drugs for patients
Advocacy
Legal Assistance
Assisting patients to avail aids and appliances/Disability Certificate
Liaison between Patients / Patient’s family and Doctors
Motivational counselling for blood replacement
Crisis Intervention
Rehabilitation of destitute, abandoned infants in Government approved welfare organizations.
Supervising and coordinating the work of hospital guides – Enquiry Counter.
Meeting the complaints, problems, suggestions of patients/visitors.
Creating awareness and facilitating beneficiaries to government related schemes.
Creating awareness for Family Planning, HIV/AIDS and others
Networking- liaising with statutory and voluntary services and agencies.
Referral and rehabilitation services
Conduct / Participate training / teaching program pertaining to field of work.
Mobilize logistic support in case of any disaster
Supervising fieldwork / Block Placement BSW / MSW students

Conferences Attended:-
- Attended 1st International Conference on Social Work Practice in Mental Health held at the De Paul Institute of Science & Technology in Kochi, Kerala, India.

NATIONAL HEALTH PROGRAMMES UNDER THE UNIT

HEALTH SCHEMES:
1. Janani Suraksha Yojana (JSY)
2. Financial Assistance to BPL/ Poor Patients
   a. Rashtriya Arogya Nidhi (RAN)
   b. Health Minister’s Discretionary Grants (HMDG)
3. RASHTRIYA AROGYA NIDHI (RAN)
4. HEALTH MINISTER’S DISCRETIONARY GRANT (HMDG)

MEDICAL SOCIAL SERVICE UNIT

Detailed Statistics (1st April 2014 to 31st March 2015)

<table>
<thead>
<tr>
<th>IPD</th>
<th>OPD</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
List of patients sanctioned under Rashtriya Arogya Nidhi -
Ministry of Health & Family Welfare, Government of India

<table>
<thead>
<tr>
<th>Name</th>
<th>Age/Sex</th>
<th>Department</th>
<th>Illness</th>
<th>Intervention</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Victoraj Sangma</td>
<td>1yrs/Male</td>
<td>Radiognosis &amp; Imaging</td>
<td>Embolization</td>
<td>Vein of Galen Malformation</td>
<td>Rs. 7,00,000/-</td>
</tr>
<tr>
<td>Jamal Uddin Choudhry</td>
<td>22yrs/Male</td>
<td>Radiodiagnosis &amp; Imaging</td>
<td>Complete excision of the entire cerebellar AVM</td>
<td>Embolization</td>
<td>Rs. 3,00,000/-</td>
</tr>
<tr>
<td>Bhandal Chakma</td>
<td>15yrs/Male</td>
<td>Radiodiagnosis &amp; Imaging</td>
<td>LALA-A2 Segment Aneurysm</td>
<td>Embolization</td>
<td>Rs. 3,00,000/-</td>
</tr>
<tr>
<td>Pabitra Rajkhowa</td>
<td>15 yrs/Male</td>
<td>Radiodiagnosis &amp; Imaging</td>
<td>Left Tempero occipital AVM</td>
<td>Cerebellar AVM with ONYX</td>
<td>Rs. 3,00,000/-</td>
</tr>
</tbody>
</table>

List of sanctioned patients under RASHTRIYA AROGYA NIDHI (RAN) – NEIGRIHMS

<table>
<thead>
<tr>
<th>Name</th>
<th>Age/Sex</th>
<th>Department</th>
<th>Intervention</th>
<th>Illness</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ahini Sonowal</td>
<td>45/F</td>
<td>Cardiology</td>
<td>BMV Balloon</td>
<td>RHD with Severe MS with Severe PAH</td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>Albert Thubru</td>
<td>7/M</td>
<td>Oncology</td>
<td>Chemotherapy</td>
<td>Hodgkin Lymphoma</td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>Anderson Shangpliang</td>
<td>48/M</td>
<td>Cardiology</td>
<td>PTCA+Stenting</td>
<td>ACS, AWMI, LVEF40% with ongoing chest pain</td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>Andreas Sohkhlet</td>
<td></td>
<td>CTVS</td>
<td>MVR</td>
<td>Severe MR, RHD</td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>(Cancelled)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anihunlang Kharmawlong</td>
<td>2/F</td>
<td>CTVS</td>
<td>Total Correction of DORV</td>
<td>CCHD with DORV pert BT Shunt</td>
<td>Rs.75,000/-</td>
</tr>
<tr>
<td>(cancelled)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Age/Gender</td>
<td>Specialty</td>
<td>Procedure/Condition</td>
<td>Cost</td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
<td>------------</td>
<td>----------------------</td>
<td>------------------------------------------------------------------------------------</td>
<td>--------</td>
<td></td>
</tr>
<tr>
<td>Arun Kumar Karki</td>
<td>50/M</td>
<td>Orthopaedics</td>
<td>Total hip replacement</td>
<td>Rs.85,000/-</td>
<td></td>
</tr>
<tr>
<td>Augustin Susngi</td>
<td></td>
<td>Orthopaedics</td>
<td>ORIF with stine bone effusion</td>
<td>Rs. 45,000/-</td>
<td></td>
</tr>
<tr>
<td>Bairet Thubru</td>
<td>46/M</td>
<td>Oncology</td>
<td>Chemotherapy</td>
<td>Rs.1,00,000/-</td>
<td></td>
</tr>
<tr>
<td>Banhunshisha Mawkhiew</td>
<td>11/F</td>
<td>CTVS</td>
<td>ASD Closure</td>
<td>Rs.53,500/-</td>
<td></td>
</tr>
<tr>
<td>Barisha Kharwanlang</td>
<td></td>
<td>CTVS</td>
<td>L Upper total lecytubectomy</td>
<td>Rs. 45,000/-</td>
<td></td>
</tr>
<tr>
<td>Bhubaneswar Ram</td>
<td>49/M</td>
<td>Orthopaedics</td>
<td>Orif with plating proximal tibia</td>
<td>Rs.85,500/-</td>
<td></td>
</tr>
<tr>
<td>Biangmon Kharbuki</td>
<td></td>
<td>CTVS</td>
<td>ASD Closure</td>
<td>Rs.69,000/-</td>
<td></td>
</tr>
<tr>
<td>Bill Rymbai</td>
<td></td>
<td>CTVS</td>
<td>AAA-Repair</td>
<td>Rs. 9,7009/-</td>
<td></td>
</tr>
<tr>
<td>Binapani Bisao</td>
<td></td>
<td>Oncology</td>
<td>Chemotherapy</td>
<td>Rs.1,00,000/-</td>
<td></td>
</tr>
<tr>
<td>Bloming Khynriam (cancelled)</td>
<td>5/M</td>
<td>Cardiology</td>
<td>PDA Device Closure</td>
<td>Rs.70,000/-</td>
<td></td>
</tr>
<tr>
<td>Cecilia Nongspung</td>
<td></td>
<td>CTVS</td>
<td>MVR+TV Angioplasty</td>
<td>Rs.1,00,000/-</td>
<td></td>
</tr>
<tr>
<td>Charity Lamin</td>
<td>20/F</td>
<td>Oncology</td>
<td>Chemotherapy</td>
<td>Rs.1,00,000/-</td>
<td></td>
</tr>
<tr>
<td>David Dasario Kharkongor (cancelled)</td>
<td>7/M</td>
<td>CTVS</td>
<td>Total Correction of TGA +VSD</td>
<td>TGA+VSD</td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>Dlanstar Nongbet</td>
<td>36/M</td>
<td>ENT</td>
<td>Hemi-Mandibulectomy+ND+RT+CT</td>
<td>Rs.1,00,000/-</td>
<td></td>
</tr>
<tr>
<td>Drel War</td>
<td>76/M</td>
<td>Cardiology</td>
<td>PTCA+Stenting to LCX</td>
<td>Rs.1,00,000/-</td>
<td></td>
</tr>
<tr>
<td>Ephriam Marwein (cancelled)</td>
<td>40/F</td>
<td>Radiodiagnosis &amp; Imaging</td>
<td>Endovascular Coiling</td>
<td>Rs.1,00,000/-</td>
<td></td>
</tr>
<tr>
<td>Everwell Ryngksai</td>
<td></td>
<td>General Medicine</td>
<td>MHD</td>
<td>Rs. 1,00,000/-</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Age/Gender</td>
<td>Specialty</td>
<td>Procedure</td>
<td>Diagnosis/Condition</td>
<td>Cost</td>
</tr>
<tr>
<td>-------------------</td>
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<td>---------------------------------------------------------------------------</td>
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<td>------</td>
</tr>
<tr>
<td>Gobin Sharma</td>
<td>40/M</td>
<td>Orthopaedics</td>
<td>ORIF with locking plate with bone grafting</td>
<td>Non union intertrochanteric fracture Hip</td>
<td>Rs.50,000/-</td>
</tr>
<tr>
<td>Jamal Uddin Choudhry</td>
<td>22/M</td>
<td>Neurology/Radiology</td>
<td>Embolization</td>
<td>CT, DSA-Posterior fossa AVM fed by Right and coagulation, with haemorrhage</td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>Janara Begum</td>
<td>12/F</td>
<td>Neurosurgery</td>
<td>C3 Transoral body fixation with post occipito cervical fixation using occipital plate &amp; fixation with lateral screws &amp; rods</td>
<td>CV Junction anomaly with C3 hypoplasia &amp; cord compression</td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>Kabir Nongrum</td>
<td>33/M</td>
<td>Neurosurgery</td>
<td>R Ventricular Peritoneal Shunt</td>
<td>Communicating Hydrocephalus</td>
<td>Rs.34,000/-</td>
</tr>
<tr>
<td>Karnika Das</td>
<td>14/F</td>
<td>Neurosurgery</td>
<td>Embolization</td>
<td>CT+DSA shows, ultra ventricular bleed with chordal AVM</td>
<td>Rs. 1,00,000/-</td>
</tr>
<tr>
<td>Keros Khongai</td>
<td>65/M</td>
<td>Cardiology</td>
<td>PCI with Stenting</td>
<td>CAG-TVD</td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>Kledis Kharkongor</td>
<td>56/F</td>
<td>ENT</td>
<td>Surgery screws &amp; Rods fixation</td>
<td>CA Alveolus</td>
<td>Rs.7,287/-</td>
</tr>
<tr>
<td>Leit Tariang</td>
<td>28/F</td>
<td>Neurosurgery</td>
<td>VP Shunt</td>
<td>Hydrocephalus with VP Shunt in Situ</td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>Lila Dekhial</td>
<td>52/M</td>
<td>Neurology</td>
<td>Embolization</td>
<td>Spinal DSA</td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>Lusia Pohswet</td>
<td>45/F</td>
<td>ENT</td>
<td>Surgery followed by CT+RT</td>
<td>CA Alveolus</td>
<td>Rs.50,000/-</td>
</tr>
<tr>
<td>Mainul Haque</td>
<td>25/M</td>
<td>CTVS</td>
<td>Aortic Root Dilation</td>
<td>Aortic Valve Replacement</td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>Manjula Narzary</td>
<td>26/F</td>
<td>CTVS</td>
<td>ASD Closure</td>
<td>ASD</td>
<td>Rs. 60,000/-</td>
</tr>
<tr>
<td>Mary Rose Rabon</td>
<td></td>
<td>Oncology</td>
<td>Chemotherapy</td>
<td>CA Cervix</td>
<td>Rs. 1,00,000/-</td>
</tr>
<tr>
<td>Matilda Wanniang</td>
<td>46/F</td>
<td>ENT</td>
<td>Segmental mandibulectomy with biconstruction</td>
<td>Amel Blastoma Mandible</td>
<td>Rs.12,500/-</td>
</tr>
<tr>
<td>Matlab Ali</td>
<td>74/M</td>
<td>Cardiology</td>
<td>PPI</td>
<td>SSS, Sick Sinus Syndrome PPI</td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>Name</td>
<td>Gender</td>
<td>Department</td>
<td>Procedure Description</td>
<td>Diagnosis / Description</td>
<td>Cost</td>
</tr>
<tr>
<td>--------------------</td>
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<td>----------------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>Mebalari Dhar</td>
<td>9/F</td>
<td>CTVS</td>
<td>Total Correction of TOF Post BT Shunt for letratogy of fallot</td>
<td></td>
<td>Rs.65,000/-</td>
</tr>
<tr>
<td>Mewaiki Suiam</td>
<td>4/M</td>
<td>CTVS</td>
<td>VSD Closure Perimenteromuous ventricular septal defect</td>
<td></td>
<td>Rs.53,500/-</td>
</tr>
<tr>
<td>Ngule Khing</td>
<td>34/F</td>
<td>Neurosurgery</td>
<td>VP Shunt Neorofilsromatosis,Typ-1 with corpus callosum glioma with hydrocephalus</td>
<td></td>
<td>Rs.40,000/-</td>
</tr>
<tr>
<td>Nipul Dutta</td>
<td>28/M</td>
<td>CTVS</td>
<td>Mitral Valve Replacement RHD with Severe MS</td>
<td></td>
<td>Rs.93,100/-</td>
</tr>
<tr>
<td>Nisha Kharkongor</td>
<td>39/F</td>
<td>Neurosurgery</td>
<td>L Retromastoid subseptical craneotomy with epidermoid excistor</td>
<td>L sided cerebellopontine angle epidermoid with L VICN palsy</td>
<td>Rs.25,000/-</td>
</tr>
<tr>
<td>Noren Warbah</td>
<td>57/M</td>
<td>Oncology</td>
<td>Chemotherapy K/C/O mets adenocarcoma of ascending colon</td>
<td></td>
<td>Rs. 1,00,000/-</td>
</tr>
<tr>
<td>Orald. T. Synnah</td>
<td>20/M</td>
<td>CTVS</td>
<td>MVR P/APCD/Severe MR</td>
<td></td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>Philbon Nongrum</td>
<td>20/M</td>
<td>Oncology</td>
<td>Chemotherapy Cancer</td>
<td></td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>Ramon Teron</td>
<td>17/M</td>
<td>Oncology</td>
<td>Embolization of AVM Left paveto occifocal AVM with ICH</td>
<td></td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>Ribait Papang</td>
<td>20/M</td>
<td>CTVS</td>
<td>Total Correction of TOF Attacked(hay VSD+RVH+PG:80mitry small MPA-LPA-RPA)</td>
<td></td>
<td>Rs.80,000/-</td>
</tr>
<tr>
<td>Rishatlang Jyrwa</td>
<td>4yrs/M</td>
<td>Paediatric</td>
<td>Balloon inlatation of LOA Takayasu arteritis with aortic LOA</td>
<td></td>
<td>Rs.50,000/-</td>
</tr>
<tr>
<td>Salim Warjri</td>
<td>30/M</td>
<td>Orthopaedics</td>
<td>DMS Interchochentric fracture Right hip</td>
<td></td>
<td>Rs.20,000/-</td>
</tr>
<tr>
<td>Selestina Lyngdoh</td>
<td></td>
<td>Oncology</td>
<td>Chemotherapy Ca Stomach Post Op</td>
<td></td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>Selestine Nongkseh</td>
<td>24/F</td>
<td>Radiodiagnosis &amp; Imaging</td>
<td>Covered Stent Graft treatment CT Angiography mycotic pseudo Aneurysm of Aorta</td>
<td></td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>Shimtilang Khardewsaw</td>
<td>22/F</td>
<td>CTVS</td>
<td>Double Valve Replacement surgery RHD with Severe AR with Severe MR</td>
<td></td>
<td>Rs.1,00,000/-</td>
</tr>
<tr>
<td>Name</td>
<td>Age</td>
<td>Gender</td>
<td>Department</td>
<td>Procedure</td>
<td>Diagnosis</td>
</tr>
<tr>
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<td>-----------------------------------------------</td>
</tr>
<tr>
<td>Shiningstone Shabong</td>
<td>20</td>
<td>M</td>
<td>Oncology</td>
<td>Chemotherapy</td>
<td>Rec Soft Tissue sarcoma of left arm with 2degree lung</td>
</tr>
<tr>
<td>Simanta Roy</td>
<td>30</td>
<td>M</td>
<td>General Surgery</td>
<td>Embolization/Coiling</td>
<td>Splenic artery Pseudoaneurysm</td>
</tr>
<tr>
<td>Skhembor Nongsiej</td>
<td>3</td>
<td>M</td>
<td>Oncology</td>
<td>Chemotherapy</td>
<td>K/C/O Left eye Neuroblastoma</td>
</tr>
<tr>
<td>Skhemborlang Marwein</td>
<td>26</td>
<td>M</td>
<td>Oncology</td>
<td>Chemotherapy</td>
<td>Diffuse B-Large Cell Lymphoma</td>
</tr>
<tr>
<td>Stipdar Nonglong</td>
<td>57</td>
<td>M</td>
<td>Oncology</td>
<td>Chemotherapy</td>
<td>CA oesophagus</td>
</tr>
<tr>
<td>Teibun Nongrum</td>
<td>28</td>
<td>M</td>
<td>Orthopaedics</td>
<td>Negative Pressure wound therapy vacuum assisted</td>
<td>Compression fracture L1 with paraplegia with bedsore</td>
</tr>
<tr>
<td>Tiskola Kharryngi</td>
<td>16</td>
<td>F</td>
<td>Paediatric</td>
<td>Immuno Suppressive Drugs</td>
<td>Focal Segmental Glomeculosclerosis</td>
</tr>
<tr>
<td>Wallambok Kurbah</td>
<td>9</td>
<td>M</td>
<td>Paediatric</td>
<td>Chemotherapy</td>
<td>Hemophagolymphocysts</td>
</tr>
<tr>
<td>Watar Myrboh</td>
<td>45</td>
<td>M</td>
<td>Oncology</td>
<td>Chemotherapy</td>
<td>CA oesophagus</td>
</tr>
<tr>
<td>Welning Swett</td>
<td>52</td>
<td>M</td>
<td>Neurosurgery</td>
<td>C3/4 disectomy &amp; CAGE Implant</td>
<td>C3/4 disc protrusion with spinal canal slinosis</td>
</tr>
<tr>
<td>Yaraplang Rymbai</td>
<td>27</td>
<td>M</td>
<td>Orthopaedics</td>
<td>Fixation of Left leg fracture</td>
<td>Bullet injury with #femur L</td>
</tr>
</tbody>
</table>

**JANANI SURAKSHA YOJANA (JSY) : 179**

**BPL / POOR PATIENTS Assisted / Exempted for Free Investigations / ICU**

**Treatment**

<table>
<thead>
<tr>
<th>NO. OF PATIENTS EXEMPTED</th>
<th>NO. OF INVESTIGATIONS EXEMPTED</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>564</td>
<td>743</td>
<td>1307</td>
</tr>
</tbody>
</table>
MORTUARY

The mortuary is situated in the -1 level of the hospital floor. The mortuary is equipped with 4 (four) mortuary cooler four chamber used for storing the dead bodies.

All dead bodies are walked through the mortuary with the submission of the lower part detachment slip of the Medical Certificate Cause of Death from the ward concerned. Dead bodies being delayed for claiming are stored in the cooler. If a dead body exceeds 72 hrs of being unclaimed, then such case is informed to the Mawdiangdiang, Police Outpost for necessary action.

Dead bodies registered under Medico-Legal Case requiring Post Mortem are sent to Civil Hospital, Shillong.

All records of dead bodies – MLC or Non-MLC are separately maintained.

Staff Positions:-

4 (four) Outsource staffs working on shift basis.

<table>
<thead>
<tr>
<th>Statistical Presentation</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Non – MLC</td>
<td>875</td>
</tr>
<tr>
<td>Still Birth</td>
<td>57</td>
</tr>
<tr>
<td>Foetus Received</td>
<td>16</td>
</tr>
<tr>
<td>MLC-Non-Post Mortem</td>
<td>95</td>
</tr>
<tr>
<td>MLC – Post Mortem</td>
<td>24</td>
</tr>
<tr>
<td>Total Dead Bodies</td>
<td>1067</td>
</tr>
</tbody>
</table>

Sanitation

Staff Position:

- Functions 24 hours 365 days under the Guidance of the Medical Superintendent, NEIGRIHMS.
- Headed by Shri Debal Kumar Das, Sanitation Officer.
- Assisted by four Permanent Supervisors (MTS) Smt Shellgina Mawthoh, Smt Twentinyne Rympie, Shri Parmeshwar Rai and Smt Kuldeep Kaur.
- And the planned works are being executed on the field by Shri Michael Wahlang and his team from the Outsource Organization, Rangers Securities and Services Organization (RSSO).
➢ All the data and record maintained by our only outsourced Clerk cum Store Keeper, Smt Erimai Khongwir.

Area Covered:
Among the 306 acres of pine filled hilly land, approximately half of the area remains free from construction and are being maintained by The Department of Sanitation.

Sanitation services are provided to more than 90,000 square meter of floor areas 24x7, where more than 500 Indoor beds, huge OPD building, more than 300 washrooms, few Laboratories, blood bank, 4/5 Operation Theatres, Casualty block and obviously Administrative block are functioning.

In NEIGRIHMS “Cleaning” is being carried out in a standardized manner by automated means that guarantees an adequate level of cleanliness. Presently, there are six (06) nos Automatic Floor Scrubber Driers, Two (02) nos heavy duty Vacuum Cleaners, One (01) no backpack Vacuum cleaner and one (01) no Jet cleaner.

Procurement, Installation and commissioning of **Microwave Equipment for disinfection** and **Electric Medical Waste Shredder** for shredding of **Bio-Medical Waste** have been done.

➢ Department of Sanitation ensured clean atmosphere and environment during the visit of various dignitaries and VVIPs in NEIGRIHMS.
➢ Assisted to organize successfully NEIGRIHMS’ **ANNUAL DAY**’ celebration on 5th March, 2015.
➢ Also assisted to organize various Exams, various Inspections, CME’s, Seminars, Workshops, Nursing & MBBS student’s fresher’s meet, week and Functions etc.
➢ Department of Sanitation also provided all necessary assistance to other departments to set up, commission, alter and shift their respective Departments & to organize any program.
➢ For quality monitoring, assisted Engineering section in testing drinking water, cleaning water tanks and also roof tops, wall pipes etc, maintaining of proper drainage flow, clearing of Sewage lines etc.
➢ Imparted necessary training to the Staffs regarding safe management & handling of Bio-Medical waste.
➢ To liaise with Central & State Pollution Control Boards, Shillong Municipal Board and various other Hospitals as and when required.
➢ Giving projection of requirement of sanitary items, placing indents, receiving, issuing and maintaining stock registers of all sanitary items.
➢ Taking care of Indoor plants, clearing of bushes.
Through tender process started selling disinfected and shredded plastic waste for recycling purposes.

Considering the risk of working as Bio-Medical Waste Collectors, the Department arranged for Hepatitis B vaccination for all the Outsourced BMW handlers & collectors.

Making arrangements for cleaning of Faculty Quarters whenever joined, shifted.

Committees Represented:
Sanitation Officer Shri D.K.Das is serving NEIGRIHMS’ Bio-Medical Waste Management Committee as Secretary and also representing various other committees as a member like Hospital Infection Control Committee, Hospital Council, Technical evaluation Committee for tendered Infection Control Chemicals, Sanitation Items, Stationary Items, Laundry Chemicals, NEIGRIHMS’ Sports Committee etc. formed by the Director of NEIGRIHMS.

Academic participation:

- Shri D.K.Das, Sanitation Officer participated as a “speaker” in the Orientation Program for 1st Year Post Graduate & post Doctor (MD/MS/DM) Students on 23rd July, 2014.
- Presentations were made by Shri D.K.Das, in the Orientation/sensitization programs of MBBS students, Sister-In-Charges, Resident Doctors, Attendants etc. regarding “Safe Management of Bio-Medical Waste”

Central Sterile Supply Department (CSSD)

1. Introduction:-

The CSSD department has been providing regular sterilized material to the hospital. CSSD is giving service to more than 500 patients daily. Preparation and sterilization of linen packs, dressing material, instrument packs and used investigation vials are reprocessed under the supervision of technical staff.

2. CSSD Staff Position:-

A. CSSD Officer I/C : Dr. Bhaskar Borgohain
   Deputy M.S. & Acting In charge CSSD.
B. CSSD Assistant : Mr. Tapan Chandra Deka
   Mr. Hemanta Kumar Bora
C. CSSD Assistant Gr-II : Mr. Laishram Kennedy Singh
3. CSSD Work load:
Work load has increased significantly as compared to last year.

A. Total No. of sterile load - 2072 Load
B. Total No. of instrument Trays packing (wards, OPDs, etc) - 38174 Nos.
C. Total No. of Dressing Material Drum Preparation (wards, OPDs, etc) - 12738 Nos.
D. Total No. of Items Sterilized for Labor Room - 2069 Nos.
E. Total No. of Items Sterilized for Cath. Lab - 5580 Nos.
F. Total No. of Items Sterilized for O.T. - 17286 Nos.
G. Total No. of Items Sterilized for Post ICU.PP - 2630 Nos.
H. Total No. of Plasma Items Sterilized - 5727 Nos.

4. CSSD Equipment status at present:-
1. Plasma sterilizer - 1 Nos.
2. Vertical Steam Autoclave - 1No.
3. High pressure high vacuum Steam sterilizer- 6 Nos.
   (2No. not functioning, Due to non availability
   Of Steam line)
5. Drying/ Heating Cabinet - 2Nos.
6. Incubator - 1No.
7. Glove Examiner with 4 Mandrill Size - 1No.
8. Trolley for Steam sterilizer- 9Nos.
9. Trolley for Steam sterilizer- 9Nos.
10. Glove Sort Bin - 2Nos.
13. Work Table with Double Sink - 2Nos.
14. Work Table with single sink - 2Nos.
15. Transfer Trolley with under Shelves - 8Nos.
17. Half size sterilizing basket - 40 Nos.
18. Full size sterilizing basket - 50 Nos.
19. Free standing double side basket rack - 12 Nos.
20. Free standing single side basket rack - 12 Nos.
23. Electric control panel - 2 Nos.
24. Washer disinfector -2 Nos.
25. Air Blower -1 Nos.
27. Air Compressor -2 Nos.

5. Other Activities: Teaching providing practical demonstration of equipment, work flow and sterilization to the 1st Year MBBS & 1st year B.Sc. Nursing students

**ANIMAL HOUSE**

**Introduction:**

The Animal Facility, NEIGRIHMS has been registered with CPCSEA, Ministry of Environment, Forest & Climate Change, Govt. of India for the purpose of Education, Research & Breeding vide Registration No: 1565/GO/ERBi/S/01/CPCSEA.

**Infrastructure:**

The Animal House, NEIGRIHMS consist of 17 rooms out of which 4 are animal rooms. The Animal House is equipped with central air condition facility. Presently, 35 nos. of mice cages, 35 nos. of rat cages, 14 nos. of rabbit cages, one autoclave, two operation tables, 2 nos. of animal weighing balance, 5 nos. of mice holder, 5 nos. of rat holder, 9 nos. racks, 2 nos. of trolleys, 6 nos. of anaesthesia induction chamber are available in the Animal House, NEIGRIHMS.

Presently, Swiss Albino Mice, Newzeland-white Rabbit, Laboratory Guinea pig & Sheep are available in the Animal House, NEIGRIHMS.

**Present Regular Staff:**

<table>
<thead>
<tr>
<th>Designation</th>
<th>Number of Sanctioned Post</th>
<th>In Position</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Veterinary Officer</td>
<td>1</td>
<td>1</td>
<td>Dr. Pranjal Pratim Saikia</td>
</tr>
<tr>
<td>Animal Supervisor</td>
<td>1</td>
<td>---</td>
<td>-----</td>
</tr>
</tbody>
</table>

Animal Keeper - 2
Out-sourced staff:

1. Animal attendant - 02
2. Cleaner – 01

Institutional Animal Ethics Committee (IAEC) is functioning since 2014:

Activities of Animal House, NEIGRIHMS during the period of 01.04.2014 to 31.03.2015:

1. The 5th Meeting of IAEC, NEIGRIHMS was held on 11th April 2014 under the Chairmanship of Prof. A. Santa Singh, Principal, Medical College, NEIGRIHMS. A synopsis entitled- “Teratological Effects of Levitiracetam on Pregnant Albino Mice: A Histomorphometric Study” was submitted by Dr. Nilesh Jaybhaye, Post Graduate Scholar, Department of Anatomy, NEIGRIHMS, which was considered by the committee with some modifications.

2. A spot inspection of the Animal House, NEIGRIHMS was done by Dr. (Mrs.) M. Lahkar, CPCSEA Nominee on 12th April 2014 as per the direction of Under Secretary (CPCSEA), Ministry of Environment, Forest & Climate Change, Govt. of India. The report of the inspection was submitted to the concern authority by the CPCSEA, Nominee.

3. The renewal of existing registration of Animal House, NEIGRIHMS was done vide CPCSEA Letter No. 25/389/2011-AWD, Date; 07.01.2015. The new registration no is 1565/GO/ERBi/S/01/CPCSEA. The existing registration is being amended from Education to Education, Research & Breeding for in-house purpose of small animals.

4. Proposal for reconstitution of existing Institutional Animal Ethics Committee (IAEC) was sent to the office of the CPCSEA, Animal Welfare Division, Ministry of Environment, Forest & Climate Change, in Feb. 2015. The proposal is under process.

5. 6th meeting of IAEC, NEIGRIHMS was held on 16th Feb 2015, under the chairmanship of Prof. A. C. Phukan. The committee approved following research proposals with some modifications.

(i) “A comparative study on the short-term effect of Zoledronate and Pamidronate on the histomorphometry of the metaphysis of tibia in young albino rats’ submitted by Dr. S. Ralte, Assistant Professor, Department of Anatomy, NEIGRIHMS, which was originally submitted to the Committee in 2012.

(ii) “In vitro & in vivo effects of albumin & dopamine coating on hydroxyapatite/collagen composites: Focus on osteoinduction & bacterial adhesion” by Dr. Bhaskar Borguhain, Associate Professor, Dept. of Orthopaedics, NEIGRIHMS.

(iii) “Effect of methanolic extract of roots of Arostolochia Tagalacham on systolic blood pressure and heart rate in experimental rates” submitted by Dr. D. K. Brahma, Associate Professor, Dept. of Pharmacology, NEIGRIHMS.

The committee also recommended to rare three sheep initially in the existing Animal House for collection of Sheep blood. The Committee recommended that, maximum 10% of Circulatory Blood Volume (CBV) may be taken with the interval of two weeks between two collections.

6. A spot inspection of the Animal House, NEIGRIHMS was done by Dr. (Mrs.) M. Lahkar, CPCSEA Nominee on 16th Feb 2015 as per the guidelines of CPCSEA, Ministry of
Environment, Forest & Climate Change, Govt. of India. The report of the inspection was submitted to the concern authority by the CPCSEA, Nominee.

7. One sheep unit was constructed by the concerned department in the existing Animal House, NEIGRIHMS. Three male sheep was purchased by the local purchase committee in March 2015. Regular rotational blood collection from sheep (for microbiological work) was started in April 2015 to support the patient care activities.

8. Veterinary related services have also been provided by the Animal House, NEIGRIHMS to the various departments in regular basis.

**Ongoing Collaborative Thesis /Research Project:**

(i) “Teratological Effect of Levitiracetam on Pregnant Albino Mice: A Histomorphometric Study”.


(iii) “In vitro & in vivo effects of albumin & dopamine coating on hydroxyapatite/collagen composites: Focus on osteoinduction & bacterial adhesion”.

(iv) “Effect of methanolic extract of roots of *Arostolochia Tagalacham* on systolic blood pressure and heart rate in experimental rates”.

**Conference/ Seminar attended:**

The Veterinary Officer, Animal House has attended the following conference/ seminar during the year 2014- 2015.


2. CME on Pharmacovigilance under the aegis of Indian Pharmacopoeia Commission, organized by Department Of Pharmacology, NEIGRIHMS. Date: 28th June 2014.

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**Section – C - Administration**

**Governing Council of NEIGRIHMS, Shillong**
<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Name &amp; Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hon'ble Union Minister of Health and Family Welfare, Nirman Bhawan, New Delhi</td>
</tr>
<tr>
<td>2</td>
<td>Hon'ble Health &amp; Family Welfare, Government of Arunachal Pradesh, Itanagar</td>
</tr>
<tr>
<td>3</td>
<td>Hon'ble Health &amp; Family Welfare, Government of Assam, Guwahati, Dispur</td>
</tr>
<tr>
<td>4</td>
<td>Hon'ble Health &amp; Family Welfare, Government of Tripura, Agartala</td>
</tr>
<tr>
<td>5</td>
<td>Hon'ble Health &amp; Family Welfare, Government of Mizoram, Aizawl</td>
</tr>
<tr>
<td>6</td>
<td>Secretary Health, Ministry of Health &amp; Family Welfare, Nirman Bhawan, New Delhi</td>
</tr>
<tr>
<td>7</td>
<td>Addl. Secretary and Financial Advisor, Ministry of Health and Family Welfare, Nirman Bhawan, New Delhi</td>
</tr>
<tr>
<td>8</td>
<td>Secretary Education, Ministry of Human Resource Development, Shashtri Bhawan, New Delhi</td>
</tr>
<tr>
<td>9</td>
<td>Secretary, Niti Ayog Yojna Bhawan, Parliament Street, New Delhi</td>
</tr>
<tr>
<td>10</td>
<td>Director General of Health Services, Government of India, Nirman Bhawan, New Delhi-110011</td>
</tr>
<tr>
<td>11</td>
<td>Secretary, North Eastern Council,</td>
</tr>
<tr>
<td></td>
<td>Name</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>12</td>
<td>Vice-Chancellor, North Eastern Hill University (NEHU), Shillong</td>
</tr>
<tr>
<td>13</td>
<td>Secretary Health, Govt. of Nagaland, Kohima</td>
</tr>
<tr>
<td>14</td>
<td>Secretary Health, Govt. of Meghalaya, Shillong</td>
</tr>
<tr>
<td>15</td>
<td>Secretary Health, Govt. of Manipur</td>
</tr>
<tr>
<td>16</td>
<td>Secretary Health, Govt. of Sikkim</td>
</tr>
<tr>
<td>17</td>
<td>Director, AIIMS, Ansari Nagar, New Delhi-110029</td>
</tr>
<tr>
<td>18</td>
<td>Director, PGIMER, Chandigarh-1601012</td>
</tr>
<tr>
<td>19</td>
<td>President, Medical Council Of India, Sector-8, Pocket-14, Dwarka, New Delhi-110 077</td>
</tr>
<tr>
<td>20</td>
<td>Director General, Indian Council of Medical Research, Ansari Nagar, New Delhi-110029</td>
</tr>
<tr>
<td>21</td>
<td>Joint Secretary, Department of Development of North Eastern Region, Vigyan Bhawan Annexe, Maulana Azad Road, New Delhi-110011</td>
</tr>
<tr>
<td>No.</td>
<td>Nominated/Elected Members</td>
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<tr>
<td>-----</td>
<td>---------------------------</td>
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<tr>
<td>22</td>
<td>Shri P.A. Sangma, Hon'ble MP (Lok Sabha)</td>
</tr>
<tr>
<td>23</td>
<td>Shri. L. Rynjah, IAS (Retd) 144, Vasant Enclave, Outer Ring Road, New Delhi</td>
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<tr>
<td>24</td>
<td>Dr. T.M. Mohapatra, Ex. Director, Institute of Medical Sciences, BHU, Varanasi</td>
</tr>
<tr>
<td>25</td>
<td>Shri HWT Syiem, IAS (Retd) Former Secretary NEC, Elysium, Upper Motinagar Shillong</td>
</tr>
<tr>
<td>26</td>
<td>Dr. C. Silvera Ex-Union State Minister of Health, MOH&amp;FW T/28, Tuikhuatlang Aizawl, Mizoram</td>
</tr>
<tr>
<td>27</td>
<td>Smt. Wansuk Syiem Hon'ble Member of Rajya Sabha</td>
</tr>
<tr>
<td>28</td>
<td>Director, NEIGRIHMS</td>
</tr>
</tbody>
</table>
## Executive Committee, NEIGRIHMS, Shillong

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Name &amp; Address</th>
<th>Position</th>
</tr>
</thead>
</table>
| 1      | Secretary (Health & Family Welfare)  
Government of India  
Ministry of Health & Family Welfare  
Nirman Bhavan, New Delhi | Chairman |
| 2      | Director General of Health Services  
Government of India  
Nirman Bhavan, New Delhi | Member |
| 3      | Additional Secretary & Financial Advisor  
Government of India  
Ministry of Health & Family Welfare  
Nirman Bhavan, New Delhi | Member |
| 4      | Joint Secretary (NE)  
Ministry of Health & Family Welfare  
Nirman Bhavan, New Delhi | Member |
| 5      | Secretary Health  
Government of Meghalaya, Shillong | Member |
| 6      | Director  
All India Institute of Medical Sciences, | Member |
<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Position</th>
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<tbody>
<tr>
<td>7</td>
<td>Secretary Health</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Government of Assam, Guwahati</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Secretary Health</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Government of Arunachal Pradesh</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Itanagar</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Shri Mukut Mithi</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Member of Rajya Sabha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AB-8, Pandara Road, New Delhi</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Director</td>
<td>Member Secretary</td>
</tr>
<tr>
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<td>NEIGRIHMS, Shillong</td>
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<tr>
<td>Sl.No.</td>
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<td>Position</td>
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<tr>
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<td>------------</td>
</tr>
<tr>
<td>1</td>
<td><strong>Director General of Health Services</strong></td>
<td>Chairman</td>
</tr>
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<td></td>
<td>Ministry of Health &amp; Family Welfare</td>
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<tr>
<td></td>
<td>Nirman Bhavan, New Delhi – 110 011</td>
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<tr>
<td>2</td>
<td><strong>Director</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>PGIMER, Chandigarh</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td><strong>Director General</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>ICMR, New Delhi</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td><strong>Vice Chancellor</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>North Eastern Hill University, Shillong</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td><strong>Director</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>AIIMS, New Delhi.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td><strong>Secretary</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Planning Commission, New Delhi</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td><strong>Dr.T.M.Mohapatra,</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Ex-Director, IMS, BHU</td>
<td></td>
</tr>
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<td>8</td>
<td><strong>Senior Faculty Member</strong></td>
<td>Member</td>
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<td>Sl.No.</td>
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<td>Position</td>
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</tr>
<tr>
<td>1</td>
<td>Secretary (Health &amp; Family Welfare)</td>
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<td>Government of India</td>
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<tr>
<td>2</td>
<td>Director General of Health Services</td>
<td>Member</td>
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<tr>
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<td>Government of India</td>
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</tr>
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</tr>
<tr>
<td>3</td>
<td>Additional Secretary &amp; Financial Advisor</td>
<td>Member</td>
</tr>
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<td>Government of India</td>
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<td>4</td>
<td>Director</td>
<td>Member</td>
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<tr>
<td></td>
<td>All India Institute of Medical Sciences</td>
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<tr>
<td></td>
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<tr>
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<td>Name</td>
<td>Position</td>
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<tr>
<td>5</td>
<td>Director General</td>
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<td>Indian Council of Medical Research</td>
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<tr>
<td>6</td>
<td>Additional Secretary &amp; Project Director(NRHM)</td>
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<td></td>
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<tr>
<td>7</td>
<td>Secretary</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>North Eastern Council, Shillong</td>
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<td>8</td>
<td>Commissioner Health</td>
<td>Member</td>
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<td>Government of Meghalaya, Shillong</td>
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<td>9</td>
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<tr>
<td>10</td>
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<tr>
<td>11</td>
<td>Director</td>
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</tr>
<tr>
<td>1</td>
<td><strong>Director General</strong></td>
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<td>Indian Council of Medical Research</td>
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<td>Ansari Nagar, New Delhi – 110 029</td>
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<tr>
<td>2</td>
<td><strong>Nominee of Secretary (Health &amp; Family Welfare)</strong></td>
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<tr>
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</tr>
<tr>
<td></td>
<td>(not below the rank of Joint Secretary)</td>
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<tr>
<td>3</td>
<td><strong>DGHS or his nominee</strong></td>
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<td>(not below the rank of Additional DGHS)</td>
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<td>Government of India</td>
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<tr>
<td>4</td>
<td><strong>Director or his nominee</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>(not below the rank of Professor)</td>
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<tr>
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<td>Ansari Nagar, New Delhi – 110 011</td>
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</tr>
<tr>
<td>5</td>
<td><strong>Director or his nominee</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>(not below the rank of Professor)</td>
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<tr>
<td></td>
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<td>Sl.No.</td>
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<td>Position</td>
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</tr>
<tr>
<td>6</td>
<td>Shri L. Rynjah</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Member, Governing Council, NEIGRIHMS, Shillong</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Dr. T. M. Mohapatra</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Member, Governing Council, NEIGRIHMS, Shillong</td>
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</tr>
<tr>
<td>8</td>
<td>2 (two) External Experts in the field of speciality/super speciality</td>
<td>To be co-opted</td>
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<td>9</td>
<td>One representative of SC/ST an appropriate status working in NEIGRIHMS or some other organization.</td>
<td>Member</td>
</tr>
<tr>
<td>10</td>
<td>On representative of Minorities an appropriate status working in NEIGRIHMS or some other organization.</td>
<td>Member</td>
</tr>
<tr>
<td>11</td>
<td>Director</td>
<td>Member Secretary</td>
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<td>NEIGRIHMS, Shillong</td>
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**Purchase Committee, NEIGRIHMS, Shillong**

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<th>Position</th>
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<tr>
<td>1</td>
<td>Director</td>
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<tr>
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<td></td>
</tr>
<tr>
<td></td>
<td>Name</td>
<td>Designation</td>
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<tr>
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</tr>
<tr>
<td>2</td>
<td>Director/Deputy Secretary (IFD)</td>
<td>Government of India</td>
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<tr>
<td></td>
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<tr>
<td>3</td>
<td>Director (Procurement)</td>
<td>Government of India</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nirman Bhavan, New Delhi – 110 011</td>
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<tr>
<td>4</td>
<td>Financial Advisor</td>
<td>All India Institute of Medical Sciences,</td>
</tr>
<tr>
<td>5</td>
<td>Shri L.Rynjah</td>
<td>Member, Governing Council</td>
</tr>
<tr>
<td>6</td>
<td>Dr. T.M. Mohapatra</td>
<td>Member, Governing Council</td>
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## Internal Purchase Committee, NEIGRIHMS, Shillong

<table>
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<th>Title</th>
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<tbody>
<tr>
<td>1</td>
<td>Director</td>
<td>Chairman</td>
</tr>
<tr>
<td></td>
<td>NEIGRIHMS, Shillong</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Dean</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>NEIGRIHMS, Shillong</td>
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</tr>
<tr>
<td>3</td>
<td>Financial Advisor</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>NEIGRIHMS, Shillong</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Medical Superintendent</td>
<td>Member</td>
</tr>
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<td>NEIGRIHMS, Shillong</td>
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<tr>
<td>5</td>
<td>Principal</td>
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<td></td>
<td>College of Nursing</td>
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<td>6</td>
<td>Store &amp; Procurement Officer</td>
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</tr>
<tr>
<td>7</td>
<td>Nursing Superintendent</td>
<td>Member</td>
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<td></td>
<td>NEIGRIHMS, Shillong</td>
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</tr>
<tr>
<td>8</td>
<td>Senior Account Officer/Accounts Officer</td>
<td>Member</td>
</tr>
</tbody>
</table>
| 9 | **Deputy Director (Admn)**  
NEIGRIHMS, Shillong | **Member Secretary** |
<table>
<thead>
<tr>
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<th>Position</th>
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<tbody>
<tr>
<td>1</td>
<td>Director, NEIGRIHMS, Shillong</td>
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<tr>
<td>2</td>
<td>Representative of NEC, Shillong</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>(not below the rank of Deputy Secretary)</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Secretary Health &amp; Family Welfare, Government of Meghalaya, Shillong</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>(not below the rank of Deputy Secretary)</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Representative of Assam Administrative Staff College, Guwahati</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>(not below the rank of Deputy Secretary)</td>
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<tr>
<td>5</td>
<td>Representative of NEHU, Shillong</td>
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<tr>
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<td>(not below the rank of Depty Registrar)</td>
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<tr>
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<td>Expert Speciality</td>
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<tr>
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<td>Deputy Director (Admn), NEIGRIHMS, Shillong</td>
<td>Member Secretary</td>
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</table>
# Selection Committee for Group C & D posts, NEIGRIHMS, Shillong

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<tbody>
<tr>
<td>1</td>
<td>Deputy Director (Admn) NEIGRIHMS, Shillong</td>
<td>Chairman</td>
</tr>
<tr>
<td>2</td>
<td>Secretary to the Government of Meghalaya, Health &amp; Family Welfare Department or his representative not below the rank of Deputy Secretary</td>
<td>Member</td>
</tr>
<tr>
<td>3</td>
<td>Regional Director Regional Officer for Health &amp; Family Welfare Directorate General of Health Services Guwahati</td>
<td>Member</td>
</tr>
<tr>
<td>4</td>
<td>Representative of Personnel Department North Eastern Council, Shillong Not below the rank of Deputy Secretary</td>
<td>Member</td>
</tr>
<tr>
<td>5</td>
<td>A co-opted expert</td>
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## Ethics Committee, NEIGRIHMS, Shillong

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<th>Sl.No.</th>
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<tbody>
<tr>
<td>1</td>
<td>Dr.F.U.Ahmed&lt;br&gt;Director, Integral Institute of Medical Science &amp; Research, Lucknow – 220026</td>
<td>Chairman</td>
</tr>
<tr>
<td>2</td>
<td>Dr.V.Raphael&lt;br&gt;Dean, NEIGRIHMS, Shillong</td>
<td>Internal Member</td>
</tr>
<tr>
<td>3</td>
<td>Dr.Md.Yunus</td>
<td>Internal Member</td>
</tr>
<tr>
<td>4</td>
<td>Dr.M.K.Saikia</td>
<td>Internal Member</td>
</tr>
<tr>
<td>5</td>
<td>Dr.A.D.Ropmay</td>
<td>Internal Member</td>
</tr>
<tr>
<td>6</td>
<td>Dr.A.Dkhar&lt;br&gt;DHS (MI), Government of Meghalaya</td>
<td>External Member</td>
</tr>
<tr>
<td>7</td>
<td>Prof.A.K.Nongkynrih&lt;br&gt;Prof. of Sociology, NEHU, Shillong</td>
<td>External Member</td>
</tr>
<tr>
<td>8</td>
<td>Shri Emerald Warjri&lt;br&gt;Retd. Judge, Umiam, Shillong</td>
<td>External Member</td>
</tr>
<tr>
<td>9</td>
<td>Dr.A.Santa Singh&lt;br&gt;Principal, NEIGRIHMS, Shillong</td>
<td>Member Secretary</td>
</tr>
</tbody>
</table>
### Incharge of different Units/Section

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Units/Section</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Medical Superintendent</td>
<td>Prof. A.C. Phukan</td>
</tr>
<tr>
<td>2</td>
<td>Hospital Infection Control Committee</td>
<td>Prof. Noor Topno</td>
</tr>
<tr>
<td>3</td>
<td>Faculty Incharge ICU</td>
<td>Prof. P. Bhattacharyya</td>
</tr>
</tbody>
</table>
| 4     | Faculty Incharge & Superintendent Resident Medical Officers Hostel | Dr. Ranendra Hajong  
|       |                                                   | Dr. Manish Kapoor                   |
| 5     | Deputy Incharge Examination                      | Dr. D.K. Brahma                     |
| 6     | Faculty Incharge (Official Language)             | Prof. Noor Topno                    |
| 7     | Faculty Incharge Cell against Sexual Harrasment  | Dr. Y. Khonglah                    |
STRAUS OF MANPOWER

The Government of India has sanctioned a total of 1524 posts consisting of 141 faculty posts and the remaining posts for paramedical and other supporting staff for Phase-I & Phase – II of this project. The process of recruitment to above stated posts are in progress. However, recruitment of technicians and other supporting staff of some of the departments were not prioritized due to non availability of faculty members in the concerned department. The technical and other supporting posts would be filled up based upon the availability of faculty in different departments of the Institute.

Faculty in position department wise as on 31.03.2015:
The Institute has 72 faculty members in the following departments:

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Department</th>
<th>Posts</th>
<th>No. of faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Anaesthesiology</td>
<td>Professor &amp; Head</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Additional Professor</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Associate Professor</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td>1</td>
</tr>
<tr>
<td>2.</td>
<td>Anatomy</td>
<td>Professor &amp; Head</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Associate Professor</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td>1</td>
</tr>
<tr>
<td>3.</td>
<td>Biochemistry</td>
<td>Associate Professor</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td>2</td>
</tr>
<tr>
<td>4.</td>
<td>Cardiology</td>
<td>Professor &amp; Head</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Associate Professor</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td>1</td>
</tr>
<tr>
<td>5.</td>
<td>Community Medicine</td>
<td>Professor</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Associate Professor</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td>1</td>
</tr>
<tr>
<td>No.</td>
<td>Department</td>
<td>Professor/Head</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------</td>
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<td>---------------------</td>
</tr>
<tr>
<td>6.</td>
<td>CTVS</td>
<td>Professor</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Dentistry</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Dermatology &amp; STD</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>ENT</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>Forensic Medicine</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>General Medicine</td>
<td>Professor &amp; Head</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>General Surgery</td>
<td>Professor &amp; Head</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>Microbiology</td>
<td>Professor &amp; Head</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Associate Professor</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>Neurosurgery</td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>Neurology</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>Obstetrics &amp; Gynaecology</td>
<td>Professor &amp; Head</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td></td>
</tr>
<tr>
<td>No.</td>
<td>Department</td>
<td>Professor</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>-----</td>
<td>----------------------------</td>
<td>----------------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>17.</td>
<td>Ophthalmology</td>
<td>Professor</td>
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<tr>
<td></td>
<td></td>
<td>Associate Professor</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td>2</td>
</tr>
<tr>
<td>18.</td>
<td>Orthopaedics &amp; Trauma</td>
<td>Associate Professor</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td>1</td>
</tr>
<tr>
<td>19.</td>
<td>Paediatrics</td>
<td>Professor</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Associate Professor</td>
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<td></td>
<td></td>
<td>Assistant Professor</td>
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<tr>
<td>20.</td>
<td>Pathology</td>
<td>Professor &amp; Head</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Associate Professor</td>
<td>2</td>
</tr>
<tr>
<td>21.</td>
<td>Pharmacology</td>
<td>Professor &amp; Head</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Associate Professor</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td>1</td>
</tr>
<tr>
<td>22.</td>
<td>Physiology</td>
<td>Associate Professor</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td>1</td>
</tr>
<tr>
<td>23.</td>
<td>Psychiatry</td>
<td>Assistant Professor</td>
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<tr>
<td>24.</td>
<td>Radiodiagnosis</td>
<td>Professor &amp; Head</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Associate Professor</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
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</tr>
<tr>
<td>25.</td>
<td>Radiotherapy</td>
<td>Assistant Professor</td>
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</tr>
<tr>
<td>26.</td>
<td>Urology</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Assistant Professor</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Total</strong></td>
<td><strong>72</strong></td>
</tr>
</tbody>
</table>
Staff in Position as on 31.03.2015

<table>
<thead>
<tr>
<th>Post Sanctioned</th>
<th>Regular</th>
<th>Cont/Ah-hoc/outsourced</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty</td>
<td>141</td>
<td>69</td>
<td>72</td>
</tr>
<tr>
<td>Group A</td>
<td>63</td>
<td>37</td>
<td>41</td>
</tr>
<tr>
<td>Group B</td>
<td>608</td>
<td>503</td>
<td>512</td>
</tr>
<tr>
<td>Group C</td>
<td>352</td>
<td>195</td>
<td>202</td>
</tr>
<tr>
<td>Group C (MTS)</td>
<td>171</td>
<td>53</td>
<td>171</td>
</tr>
<tr>
<td>SRD</td>
<td>105</td>
<td>61</td>
<td>68</td>
</tr>
<tr>
<td>JRD</td>
<td>84</td>
<td>53</td>
<td>61</td>
</tr>
<tr>
<td>Total</td>
<td>1524</td>
<td>971</td>
<td>1127</td>
</tr>
</tbody>
</table>

Establishment Section-I

A) **MANPOWER**
- Administrative Officer - 01
- Assistant Administrative Officer - 01
- Office Superintendent - 01
- UDCs - 03
- Sr. Stenographer - 01
- LDCs - 03
- Outsourced persons - 02
- Dispatch Rider (Outsourced) - 01
- MTS - 05

B) **FUNCTIONS**
The Establishment Section-I has been assigned with the responsibilities related with Establishment, Personnel & Dak Receipt and Issue matters of the Institute.

**Establishment:**
Office management (leave, holidays)
Establishment (pay, increment, etc)

**Personnel:**
(I) Service matters
   (a) Seniority, Promotions, APS, Superannuation, Deputation, Probation/Confirmation, Service Books, Disciplinary cases, etc
(II) Personal matter & Misc
(a) ACR/APAR, MACP Scheme, Miscellaneous
(b) Conference/Workshops/Fellowship/Training of faculty, Officers and staff

(III) Personal Claims
(a) Allowances, LTC Rules, Medical Reimbursement

**Dak Receipt and Issue:**

**AREA OF ACTIVITY:**

1. The Officer/dealing Assistants are looking after the above activities under the supervision and instructions of the Administrative Officer.

2. Manpower development:
   (i) **Promotion / Confirmation** :
   - 1(one) Security Officer was promoted to the post of Chief Security Officer
   - 2 (two) Assistant Administrative Officers have been promoted to the post of Assistant Registrars
   - 1(one) Assistant Administrative Officer was promoted to the post of Administrative Officer
   - 1(one) Dietician was promoted to the post of Dy. Chief Dietician
   - 3(three) Office Superintendents have been promoted to the posts of Assistant Administrative Officers
   - 19 (nineteen) Staff Nurses have been promoted to the posts of Nursing Sister/Ward Sister.
   - 11 (eleven) Officers/Staff of Group A & B have been confirmed in their respective grades/posts on completion of probation.

   (ii) **Training / Courses /Conference/Workshop/Higher studies etc:**
   - 15 Faculty members have been deputed to attend the MCI Mandatory Basic Course in Medical Education Technologies at Regional Training Centre, King George’s Medical University, Lucknow as per recommendation of the Medical Education Unit, NEIGRIHMS.
   - 5(five) Faculty members and 5 (five) officer/staff of the Institute have been deputed to attend the 3rd NKN (National Knowledge Network) Annual Workshop organized by IIT, Guwahati jointly with NIC.
   - 11 (eleven) Officers/staff have been deputed for training courses in ISTM and NIHFW, New Delhi
   - 3 (three) Faculty members have been deputed for attending Symposium/Fellowship/Observership abroad.
   - 2(two) Faculty members have been deputed for attending National Conferences at SAARC countries.
   - Several Faculty members/Officers/staff have been deputed for attending National Conferences/Workshops/CMEs etc within India.
   - 2(two) faculty members are currently undergoing part time PhD courses at IIT, Guwahati.
   - 5 (five) members of the Nursing personnel are currently undergoing higher studies for MSc/Post Basic BSc Nursing.
# ENGINEERING DIVISION

A. **NAME OF OFFICERS AND STAFF**

1. Elissa Joanna Bathe Wankhar - Executive Engineer (Civil)

**Outsourced staff**

<table>
<thead>
<tr>
<th>Designation</th>
<th>Existing Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Plumbers</td>
<td>- 9</td>
</tr>
<tr>
<td>2. Pump Operators</td>
<td>- 15</td>
</tr>
<tr>
<td>3. Sewer men</td>
<td>- 8</td>
</tr>
<tr>
<td>4. Lift operators</td>
<td>- 17</td>
</tr>
<tr>
<td>5. Carpenters</td>
<td>- 3</td>
</tr>
<tr>
<td>6. Attendant</td>
<td>- 3</td>
</tr>
<tr>
<td>7. STP operator</td>
<td>- 2</td>
</tr>
<tr>
<td>8. AC Operator</td>
<td>- 1</td>
</tr>
<tr>
<td>9. Office Assistant</td>
<td>- 1</td>
</tr>
</tbody>
</table>

**Contract staff**

<table>
<thead>
<tr>
<th>Designation</th>
<th>Existing Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Assistant Engineer (Civil)</td>
<td>- 1</td>
</tr>
<tr>
<td>2. Assistant Architect</td>
<td>- 1</td>
</tr>
<tr>
<td>3. Junior Engineer (Civil)</td>
<td>- 2</td>
</tr>
<tr>
<td>4. HVAC Engineer</td>
<td>- 1</td>
</tr>
</tbody>
</table>

**Supporting staff:**

1. Plumber - 1
2. Carpenter - 1
3. EPABX Operator - 4
4. Wireman - 1
5. UDC - 1
6. LDC - 1
7. A.C. Mechanic - 1
8. Pump Mechanic - 1

The Engineering section is entrusted with the work of maintenance and upkeep of the entire complex comprising of the following buildings/services:

1. 500 bedded hospital
2. Administrative Block
3. Faculty Block
4. Auditorium
5. Indoor Stadium
6. Basic Science Block and Teaching Block
7. RMO Hostel
8. Boys and Girls Hostel
9. Public Utility Block
10. A Type Quarters - 25 units
11. B Type Quarters - 60 units
12. C Type Quarters - 72 units
13. D Type Quarters - 96 units
14. Sub-stations
15. Sewerage Treatment plant
16. HVAC/Ventilation System
17. EPABX
18. Water distribution
19. FDA System
20. Lifts
21. Guest House
22. Director’s Bungalow

In addition, the Engineering Department is also engaged with the micro planning of the different departments in the Hospital depending on the requirements and designing and execution of the same. The Department is also carrying out various minor original construction activities from time to time as per the requirement and needs of the Institute/MCI.

The Engineering Department is also involved in the examination/vetting of estimates submitted by HSCC, overseeing their ongoing construction works at site and submission of reports thereof. The EFCs submitted by HSCC for the MBBS College and Hostel, expansion of the Nursing College and Regional Cancer Centre, duly vetted and scrutinized by this department has been submitted to the Ministry for approval.

C. CONSTRUCTION ACTIVITIES OF THE ENGINEERING SECTION

The various construction activities taken up are as follows:

1. Providing laboratory working table with steel frame and granite top/sinks etc.
2. Supplying, fitting, fixing, testing and commissioning of iron filter, pressure pump etc.
3. Annual rate contract for miscellaneous civil works at NEIGRIHMS
4. Providing and laying of 11 KV underground H.T Cable (XLPE for Nursing college and sub station No. V at NEIGRIHMS)
5. Construction of 3 (three) nos of Sentry box at A & B type quarter and solar panel site.
6. Supply, fitting and fixing of doors and windows curtains and vertical blind.
7. Supply of steel sign board at NEIGRIHMS.
8. Supply, fitting and fixing of flag.
9. Painting and repairing of guard wall from parking yard up to the approach of Director’s Bungalow.
10. Supply of submersible pump for Bore well.
11. Improvement work and provision of reception and office in Guest house at NEIGRIHMS.
13. Providing CC footpath near Public Utility Block.
17. Providing a toilet at Superintendent Engineer’s room at NEIGRIHMS.
18. Painting and distempering corridor passage of Lecture theatre and other miscellaneous works.
19. Supply of name plates and incumbency board.
20. Civil works in the MBBS Boy’s hostel and ancilliary store at NEIGRIHMS.
21. Construction of water Reservoir for rain water harvesting pump house along with inlet pipes etc.
22. Additional civil works in D type quarter.
23. Additional civil works in C type quarter.
24. Construction of an intake point at water source from forest land etc.
25. Supply, fitting and fixing of de-chlorination tank and construction of platform etc.
26. Providing road signal and sign board.
27. Additional civil works for the proposed pharmacy at OPD block.
28. Miscellaneous works in Private ward (41.00 lvl and 48.50 lvl) and laying of cable in specified cable trench, NEIGRIHMS.
29. Construction of aluminium cubicle at Private ward, Nursing station including providing ornamental grill in the well from ground floor to (-3) lvl.
30. Painting and repairing of guard wall at different locations of NEIGRIHMS.
31. Supplying of items for borewells and pumps etc.
32. Supplying, fitting and fixing of soft board for the Nursing college.
33. Modification of genetic laboratory at -1 lvl and miscellaneous works.
34. Site preparation and levelling of pro football ground at NEIGRIHMS.
35. Construction of sheep unit in Animal house at NEIGRIHMS.
36. Supplying and laying of vinyl flooring in the room of the principal of MBBS college.
37. Providing aluminium cubicle to accommodate Deputy Nursing Superintendents.
38. Painting of 3 (three) Security guard rooms and boundary wall including repairing of guard wall.
39. Providing RCC slab cover over the drain near quarter no. B5 & B7 opposite to garage.
40. Re-construction of damaged wall in front of Director’s Bungalow.
41. Supplying and fitting of LED Board at Casualty/ Emergency.
42. Constructions of CC drain near A type quarter no. 28 upto the culvert.
43. Annual rate contract for miscellaneous civil works and painting works in quarter no. A-6.
44. Construction of a parking yard opposite to the public utility block near the extending hospital parking yard.
45. External painting of circular ward at NEIGRIHMS.
46. Civil works in paediatric ICU, PICU painting, repairing of mineral board, ceiling etc.
47. Construction of waste sharp pit for disposal of sharp waste at STP area.
48. Construction of rooms at terrace with brick walls, tabular truss dyna roof, aluminium windows, ventilators and flushed door etc.
49. Construction of brick walls opposite to the ‘B’ type quarter.
50. Improvement of sight distance at the newly improved road geometric near Public Utility Building.
51. Annual maintenance of Emergency OT at 56.00 lvl and other miscellaneous works.
52. Annual maintenance of Semi modular OT at 67.00 lvl and 63.00 lvl.
53. Extension in sub station II.
54. Providing aluminium at EPABX exchange room and engineering section.
55. Miscellaneous works in ward at 44.75 lvl at private ward.
56. External painting and repairs to the electrical sub station no. I at NEIGRIHMS.
57. Construction of ATM room at Public Utility Block at NEIGRIHMS.
58. Civil works in the Dietary department and miscellaneous works at NEIGRIHMS.
59. Miscellaneous civil works (Repair, renovation works at different buildings and Hospital, OPD Anaesthesiology)
60. External painting and repair to the AC plant building.
61. Roof leakage of NICU Labour room including Director’s Block and other miscellaneous works.
62. Supply, fitting and fixing of Syntex tank of 3000 litres capacity.
63. Laying of GI pipe in STP.
64. Providing false ceiling board at different locations of hospital.
65. Reconstruction of boundary wall with stone masonry, angle iron post and chain link fencing in the damaged portion in front of B-5 quarter.
66. Construction of open shed cover for diesel pump in Sub station I and Sub station II and miscellaneous works in control room, auditorium.
67. Proposed approach road Incinerator.
68. Repairing of pot holes depression and damaged edges etc in front of A type quarter.
69. Providing dyna roof ridging at Indoor stadium including repairing, painting the basketball court etc.
70. Providing false ceiling board at different location of NEIGRIHMS Hospital.
71. Repairing, painting of Deputy Director’s room and other miscellaneous works.
72. Supply, fitting and fixing door and window curtain.
73. Construction of toilet cum bathroom at for staff at STP.

D. IN PROGRESS

Construction works:

1. Annual rate contract for civil works in the Hospital/ Teaching Block/ Library/ Basic Science Block/ Faculty Block/ Director’s Block.
2. Annual rate contract for civil works in the Hostels/ Guest House/ Nursing College/ Auditorium/ Indoor Stadium/ PUB etc.
3. Annual rate contract for civil works in the A,B,C and D type quarter.
4. Provision of Laboratory table with steel frame and granite slab etc at newly constructed rooms of Microbiology Department for VRDL laboratory
5. Providing chainlink fencing from Substation No. I to RMO Hostel with angle iron post and CC foundation.
6. Modification/ repair works of footpath infront of the OPD and Casualty areas.
7. Construction of a shed over Diesel tank with tabular truss etc.
8. Providing and fixing aluminium partition and door inside Surgery OPD existing cubicle etc.
9. Providing Angle post chain-link fencing around the water reservoirs near the STP.
10. Providing wall tiles in MS rooms, control room, painting and repairing works etc.
11. Construction of sentry box at STP area including repairing, painting of old sentry box and watch towers.
12. Construction of aluminium cubicle for the remaining Nursing station of Private ward.
13. Civil works in Bulk Diesel storage area.

E. MAINTENANCE OF SERVICES (ONGOING)

1. AMC/ CMC of 19 (nineteen) lifts with M/s OTIS
2. AMC/CMC of Nurses Call Bell System with Veekay Control Devices.
3. AMC/CMC of Fire Fighting and alarm Detection System with Pelican Enterprise.
4. AMC/CMC of HVAC Plant with Sterling and Wilson.
5. AMC/CMC of 4 (four) lifts with Omega.
EXTENSION OF SUBSTATION II
CENTRAL STORE

Introduction:
The Store department plays a vital role in the smooth function of the Hospital services which act as a supporting section to all departments by providing all requirements ranging from the small value stationerries to High End medical Equipments as indented; the store department is adopting the scientific Material Management system with adequate balance in Demand and Supply. The Store section is functioning under the Smart Supervision of the Store & Procurement Officer of the Institute. The Store department is consist of the following sections

- Central Store (Non-medical store)
- Medical Store
- Ancillary Store
- Hospital Pharmacy
- Purchase and Billing Section
- e- procurement cell

Location

Both the Central Store and medical store is located at the basement of the Hospital OPD area. The Ancillary Store is located behind the Institute Auditorium. The Hospital Pharmacy is in the centre of the OPD Block. The Purchase and Billing Section is a part of Administrative Block.

Staff Position

The present strength of staff is as follows:

- Store & Procurement Officer – 01
- Superintendent Pharmacist – 01
- Pharmacists – 06
- Storekeeper – 29
- Out-sourced person – 17

Objectives and functions:

Every Institute/Department spends a sizable amount of its Budget for purchasing various types of goods to discharge the duties and responsibilities assigned to it. It is imperative that these purchases are made following a uniform, systematic, efficient and cost effective procedure in accordance with the relevant rules and regulations of the Government. The Institute has been delegated powers to make their own arrangement for procurement of goods under the delegation of Financial Power Rules, which have to be exercised in conformity with the rules and guidelines issued by competent authority covering financial, vigilance, security, safety, counter trade and other regulatory aspects.
Area of Activity:

During the year 2014-2015, the Storekeepers who are looking after the stores have been performing the following works under the supervision and instruction of Store & Procurement Officer for the smooth function of the store section.

1. The concerned Storekeepers prepared the budget estimate for the year 2015-2016 for the procurement of non-medical stores including equipments and submitted the same to the Store & Procurement Officer for doing the needful.

2. The concerned storekeepers up-dated the stock ledgers before the annual physical verification of assets and stores conducted by the committee constituted by the competent authority and follow-up action have been taken as per report submitted by the committee.

3. The concerned storekeepers, after compiling the demand requisition received from the various depts./section put up the file to the competent authority for approval for placement of order on quarterly basis as per rate contract.

4. The equipments, consumables/stores has been received by the concerned storekeepers according to the specifications and quantity enlisted in the supply order and thereafter entered all details in the respective stock registers for proper issue and distribution as per the demand requisitions.

5. After opening the price bid of any bidder the concerned storekeepers prepare the comparative statement of the responsive bidders and after checking the rates, the in-charge of the store forwarded the same to the Store & Procurement Officer for placing in the IPC for approval before giving letter of award to the selected bidders.

6. All the bills submitted by the suppliers were verified and certified by the storekeepers as per the supply order before sending to the account section for making payment.

7. Five pharmacist and two outsourcing pharmacist, four outsourcing attendants were running the hospital pharmacy for 24 hours x 7 x 365 days for the convenient of the patients on shift duties and the drugs were available at lowest competitive rates to the institute.

8. Drugs/Disposable items were issued to the patients within low income groups, UTP patients, staff members and their dependents. Reagents and chemicals requirements in the laboratory and departments were provided as per the indents and record maintain in their respective register. Several other new departments and OTs were operational during this session and the section have to expand for catering to the requirements of all the departments and arrangements were made to keep the pharmacy and central store operational on all days round the year for providing better services to the institute.

9. All the works and services performed by store section have been linked with Tally ERP customized software system.
10. Store section is adopting the modern scientific inventory management system round the clock.
11. The concern Store Keepers put up the proposal for Procurement of Equipments/ Stores as per MCI requirement of MBBS/MD,MS course for the various department of the Institute.
12. The Institute has been registered with the Central Public Procurement Portal for e-publishing of tenders on the Portal. All tenders and awards thereof are being uploaded on the CPPP as per Central Government instructions. The Institute has already in-corporate e-tender, e- procurement and having a e- procurement cell.
13. The Store section used to finalize the minutes/ agenda for the Internal Purchase Committee, Standing Finance Committee meetings in consultation and coordination with other supporting departments of the Institute.
15. Mr. H. Dey, Store & Procurement Officer has successfully completed the CIPS and UNDP certified training programme on Public procurement, level-III at Copenhagen, Denmark.
16. The Store section co-operate and co-ordinate in the Audit inspection of internal and statutory audit.
17. During the year 2014-2015, the High End Equipments which already received by the Institute may kindly be seen as per the detailed statement at Annexure “A”.

Annexure - 'A'

LIST OF FIXED ASSETS/ EQUIPMENTS RECEIVED DURING THE YEAR 2014-15

<table>
<thead>
<tr>
<th>Date of received</th>
<th>Asset</th>
<th>qty</th>
<th>Amount (With 5 years composite warranty and thereafter 5 years CMC)</th>
<th>Order No &amp; Date</th>
<th>Location of the Asset</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>Description</td>
<td>Make</td>
<td>Model/Serial Number</td>
<td>Quantity</td>
<td>Price</td>
</tr>
<tr>
<td>--------</td>
<td>------------------------------------------------------------------------------</td>
<td>---------------------------</td>
<td>---------------------</td>
<td>----------</td>
<td>--------</td>
</tr>
<tr>
<td>26.5.14</td>
<td>Endoscope System</td>
<td>Karl Storz, Germany</td>
<td>29005DRB NV2050</td>
<td>1 No</td>
<td>9903802.36</td>
</tr>
<tr>
<td>23.7.14</td>
<td>HPLC Machine with Stabilizer, UPS, Computer, Printer and other essential accs</td>
<td>Agilent Technologies, USA</td>
<td>1260</td>
<td>1 No</td>
<td>6125126.00</td>
</tr>
<tr>
<td>28.8.14</td>
<td>Heart Lung Machine</td>
<td>Maquet Medica, Germany</td>
<td>HL 20 MCP00706195</td>
<td>1 No</td>
<td>9466275.00</td>
</tr>
<tr>
<td>21.10.14</td>
<td>Full High Definition Endoscopic Camera</td>
<td>Karl Storz, Germany</td>
<td>UV00221</td>
<td>1 No</td>
<td>6249093.02</td>
</tr>
<tr>
<td>15.12.14</td>
<td>Flexible Nephroscope</td>
<td>Karl Storz, Germany</td>
<td>18471</td>
<td>1 No</td>
<td>6069439.48</td>
</tr>
<tr>
<td>15.12.14</td>
<td>Anaesthesia Workstation</td>
<td>Mindray, PR China</td>
<td>A7 Anaesthesia System with Beneview T8 Patient Monitor</td>
<td>1 No</td>
<td>5104311.58</td>
</tr>
<tr>
<td>18.12.14</td>
<td>Endovascular Evaluator System</td>
<td>Fain Medcials</td>
<td>EVE</td>
<td>1 No</td>
<td>9576000.00</td>
</tr>
<tr>
<td>02.03.15</td>
<td>Intra Vascular Ultrasound System</td>
<td>Volcano Corporation, USA</td>
<td>S5/S5i 1019-51093-001</td>
<td>1 No</td>
<td>7450000.00</td>
</tr>
<tr>
<td>09.03.15</td>
<td>Fully Enhanced Chemiluminescence</td>
<td>Beckman Coulter, USA</td>
<td>Unicel DXL 800 Access 604394</td>
<td>1 No</td>
<td>5349615.77</td>
</tr>
</tbody>
</table>
The Security/Fire Section supervised by the Chief Security Officer assisted by 4 (four) NEIGRIHMS Security Supervisors, 4 (four) NEIGRIHMS Security Guards, 6 (six) NEIGRIHMS Fire Guards, Home Guards Volunteers and Private Security Guards requisitioned from Commandant, Home Guards, East Khasi Hills District and Private Security Agency respectively. Therefore, day-to-day functioning of the section is reported to the Deputy Director (Administration).

Security in the campus was divided into three zones, i.e. “A”, “B” and “C” zones. Each zone manned and monitored by Supervisors for 24X7. Duties and responsibilities of the Supervisors are to supervise the day-to-day functioning of the guards, patrolling and checking in their designated areas and reported back to the NEIGRIHMS Duty Supervisor (Shift-incharge) at the OPD for further necessary action. In addition, for manning the posts, we give utmost importance in activities like monitoring the movements of patients, attendants and visitors and always assist the patients as well as the visitors.

The Section is responsible for providing security round the campus, round the clock to the faculties’, officers’ and staffs’ quarters staying inside the campus as well as to each and every wards in the hospital, OPD, College of Nursing, Nurses Hostel, MBBS Hostel (Boys), MBBS Hostel (Girls), Resident Medical Officers’ Hostel, the Institute’s property i.e. Sewage Treatment Plant, Stores, Labs and other equipments. Besides providing security and other safety measures during the visit of the VIPs, the Section is looking after parking of vehicles, issue of ID Cards, Car Passes etc. to the Officers and staff of the Institute, liaison with the District Police, Home Guards and Fire Department of the State etc. As a security measures, the registration number of all the private vehicles entering inside the campus, are being noted at the entry point. CCTV cameras have been installed in the designated area covering the OPD, Emergency, Main gate and Director Block, for better monitoring and assisting the Administration for documentary evidences if and when required. The Section is also shouldering the responsibility for fire fighting and six Fire Guards oversee the functioning of fire equipments, like Smoke Detector, Fire Detection Alarm, Hydrant etc. Testing of fire equipments by the Institute Fire Guards and maintenance staff was done on weekly basis at different location. The Section is having its own Fire Control Room which was monitored 24X7 by Institute Fire Guards and Outsourced Fire maintenance staff.
## Sanctioned/Actual Strength of Security and Fire Sections as on date:

<table>
<thead>
<tr>
<th>Designation</th>
<th>Sanction strength</th>
<th>Actual strength</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Security Section</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chief Security Officer</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Security Officer</td>
<td>1</td>
<td>Nil</td>
</tr>
<tr>
<td>Security Supervisor/Guard</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td><strong>Fire Section</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chief Fire Guard</td>
<td>1</td>
<td>Nil</td>
</tr>
<tr>
<td>Fire Guard</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>17</td>
<td>15</td>
</tr>
</tbody>
</table>
HINDI SECTION

INTRODUCTION:

Hindi section plays a vital role in the effective implementation of the Official language policy as per the concerned articles of the constitution of our country. The section comes under the Department of Official Language which was set up in June, 1975. It is a nodal Department which ensures compliance of Constitutional provisions, Official Language Act, 1963 and Official Language Rules 1976, Official Language Resolution, 1968 and the presidential orders from time to time regarding Official Language of the union Government.

LOCATION:

Hindi section is located in Establishment- II of the Director’s Administrative Block and is functional from the year 2007.

STAFF STRENGTH:

The present strength of staff is as follows –

- Nodal Hindi Officer – 1 Dr. Noor Topno
- Sr. Hindi Translator – 1
- Hindi Typist - 1
- MTS -1

ACTIVITIES PERFORMED BY THE SECTION DURING APRIL 2014 TILL MARCH 2015:

During the period 01st April 2014 till 31st March 2015, list of activities performed by the Hindi Section are as follows :-

- Quarterly Meeting (OLIC) on 23rd June 2014. Total 12 members of various Department of the Institute attended the meeting under the Chairmanship of Director, NEIGRIHMS.
- A two –day Hindi workshops were conducted on 20th and 21st June 2014. 7 officers and 36 employees attended the workshop. Workshop was conducted by the Sr, Hindi Translator, Smt Sanchita Chakraborty and Hindi Typist Smt. Guddi Bhagat.
- Quarterly Meeting (OLIC) on 28th August 2014. Total 10 members of various Department of the Institute attended the meeting under the Chairmanship of Director, NEIGRIHMS
- A two –day Hindi workshops were conducted on 20th and 21st August 2014. 5 officers and 28 employees attended the workshop. Workshop was conducted by the Sr, Hindi Translator, Smt Sanchita Chakraborty and Hindi Typist Smt. Guddi Bhagat.
- Quarterly Meeting (OLIC) on 17th December 2014. Total 08 members of various Department of the Institute attended the meeting under the Chairmanship of Director, NEIGRIHMS
A two-day Hindi workshops were conducted on 18\textsuperscript{th} and 19\textsuperscript{th} Dec 2014. 8 officers and 28 employees attended the workshop. Workshop was conducted by the Sr, Hindi Translator, Smt Sanchita Chakraborty and Hindi Typist Smt. Guddi Bhagat.

Quarterly Meeting (OLIC) on 25\textsuperscript{th} March 2015. Total 21 members of various Department of the Institute attended the meeting under the Chairmanship of Director, NEIGRIHMS.

A two-day Hindi workshops were conducted on 26\textsuperscript{th} and 27\textsuperscript{th} March 2015. 7 officers and 13 employees attended the workshop. Workshop was conducted by the Sr, Hindi Translator, Smt Sanchita Chakraborty and Hindi Typist Smt. Guddi Bhagat.

Hindi Diwas/Pakhwara was observed from 2\textsuperscript{nd} September 2014 till 16\textsuperscript{th} September 2014. Various competitions were held during this period. Cash award was given to the winning participants and consolation prizes were also given in order to encourage participants for their participation.

**SECTION – D ACADEMIC**

**ACADEMIC SECTION**

**A. Manpower position**

- **Dean**: Prof. V. Raphael (w.e.f. 1.11.2013)
- **Assistant Registrar**: 1
- **Asstt. Admn. Officer**: 1
- **Stenographer**: 1
- **UDC**: 1

**B. Introduction**

The Dean’s office looks after all the academic activities, student affairs and research activities of the Institute. The Examination cell and Medical Education Unit are covering all the exam related activities and Faculty development programme respectively. The Dean is holding the post of Chairman of several committees including College Council, Student Council, Library Committee etc. which meets regularly for the smooth functioning. Anti-ragging cell, Academic Coordination Committees, Warden’s Committee helps the Dean in overall welfare and academic activities of the students.

Currently, the Institute has several academic programmes including B.Sc Nursing course with an intake of 50 students, MBBS course with an intake of 50 students, Post Graduate MD/MS course in Pathology, Microbiology, Obstetrics & Gynaecology & Anaesthesiology which are recognized by Medical Council of India (MCI) and DM Cardiology with an intake of 2 students. Post Graduate MD/MS course in Radiodiagnosis, General Surgery and Anatomy were started from the session 2013-14 and MD General Medicine from the academic session 2014-15 with increase of one seats each in the department of Microbiology and Pathology.
The Entrance examinations for all the above courses are conducted by NEIGRIHMS to fill up the North-East Open Category seats.

In addition, the Institute gave inhouse training for GNM & B.Sc Nursing students, Block Placement, Clinical exposure, Internship, Short term training and Junior research fellowships for 283 students coming from other Institutes in the current financial year.

The 2nd batch of MBBS– 2009 batch students completed internship in January 2015 and were awarded Completion certificates and Degree certificates by North Eastern Hill University. The third batch of Post Graduate students (2011 batch) completed their MD in Pathology, Microbiology, Obstetrics & Gynaecology & Anaesthesiology and were all awarded degrees.

**PUBLICATIONS**


9) Md Yunus, Abhijeet Bhatia: Assessment of Knowledge – At A Glance: Hand Book on Basics of Medical Education.2015:

10) Md. Yunus, Animesh Mishra: Clickers (Classroom Response Systems): Hand Book on Basics of Medical Education.2015

11) Md. Yunus, Editor of Hand Book on Basics of Medical Education.2015
24) Importance of Basic Research. Amitav Sarma, Research Compendium ( DBT funded symposia in research methodology), 2015
26) Coronary Intervention in Diabetes : Is it Different ; Mishra Animesh, Malviya Amit – Accepted for publication and would be published in Heart Asia 2015 ; 7 1 9-14 - Complete Review Article in the Section of Controversies in Cardiovascular Medicine : Impact Factor – 3.14
28) Air Angiogram; Amit Malviya, Dhanjit Nath, Animesh Mishra ; Heart Asia BMJ 2014 ; 6:108 doi: .1136/Heart Asia BMJ - 2014-010550; (Corresponding Author) Impact Factor – 3.14


31) Himashree Bhattacharyya, Sajida Ahmed, Star Pala. Pharmacovigilance and Public Health Programs-Need for Integration. Published in the souvenir on CME on Pharmacovigilance held on 28th June 2014 in NEIGRIHMS.


40) Thakur BK, Verma S, Raphael V. Clinical, trichoscopic and histopathological features of primary cicatricial alopecias: A retrospective observational study at a tertiary care centre of north east India. Accepted as an original article in International Journal of Trichology


60) Bhattacharya PK. "Qualitative Methods in Medical Research". Research Compendium – 2015: DBT funded Symposia on “Research Methodology and Biomaterials for Human applications for Clinical Translational Research” at NEIGRIHMS, Shillong on 20-21, March 2015
75) Original Article Sharma SR et al. Guillain-Barré syndrome complicating pregnancy and correlation with Maternal and fetal outcome in North Eastern India –A retrospective study Ann Indian Acad Neurol, Apr-Jun2015; 18: issue 2 215-218(Pub med index)


79) Scrub Typhus Meningoencephalitis, a diagnostic challenge for clinicians: A hospital based study from North East India: Journal of Neuroscience in Rural Practice. (accepted for publication)


81) Wrote the chapter on “Curriculum” in the Hand Book on Basics of Medical Education for the Basic Course Workshop in Medical Education Technologies, under the Medical Council of India, held at NEIGRIHMS from 26th – 28th March, 2015. [Enclosure No. 4].


96) Dr. Rashna Dass* and et al. “INCLEN Diagnostic Tool for Epilepsy (INDT-EPI) for primary care physicians: development and validation”. Indian Pediatr. 2014 Jul;51(7):539-43.*Dr. Rashna Dass, then faculty of the department is part of the study group. The work was done in the department of Pediatrics, NEIGRIHMS as one of the study sites.

97) Dr. Rashna Dass* and et al. “INCLEN Diagnostic Tool for Neuromotor Impairments (INDT-NMI) for primary care physician: development and validation”. Indian Pediatr. 2014 Aug;51(8):613-9 *Dr. Rashna Dass, then faculty of the department is part of the study group. The work was done in the department of Pediatrics, NEIGRIHMS as one of the study sites.


100) Debbarma R, Barman H. Evidence Based Medicine for Practitioners. Journal of Indian academy of Pediatrics Meghalaya State Branch Dec 2014


113) Jayanta Kumar Medhi, Akash Handique**, Amit Kumar Goyal, Donbok Lynser, Pranjal Phukan, Kalyan Sarma, Aswin Padmanabhan, Manuj Kumar Saikia, Happy Chutia. Trans-Nasal Tracheo-bronchial Stenting with Self Expandable Covered and Bare Nitinol Stents for Malignant Airway Narrowing under Local Anesthesia - Our Experience of Treating Three Cases Using This Technique. Indian journal of Radiology & Imaging, Accepted


117) Akash Handique**. Pediatric Radiology. Book Chapter in “Text Book of Pediatrics” Editors: Dr Samarendra Mahapatro, Dr Subhranshu Sekhar Kar, Dr Rajib Ray and Dr Rashmi Patnaik. Publisher New Central Book Agency, Kolkata


119) Phukan Pranjal, Handique Akash, Sarma Kalyan, Kalita Jyoti Prasad, Saikia Manuj, Percutaneous sclerotherapy in peripheral lowflow vascularmalformation, International Journal of health Research and Medico Legal Practice (accepted)

120) Amit Malviya, Pravin K Jha, Pranjal Phukan, Prabin K Srivastav, Animesh Mishra, Idiopathic dilatation of pulmonary artery, International Journal of Cardiology (IJC) Heart & Vasculature (accepted)

Research and Medico Legal Practice Journal of Health Research and Medico Legal Practice Journal of Health Research and Medico Legal Practice (accepted)


123) Bhupen Barman, Pranjal Phukan, Isolated Abdominal Histoplasmosis Mimicking Tuberculosis in an immunocompromised patient, Sub Saharan journal of Medicine (accepted)


128) Role of peri-operative oxygen supplementation in relation to surgical site infection in urological surgery under neuroaxial anaesthesia. Ain-Shams J Anaesthesiol 2015; 8:76-82.


130) Co-author of Chapter (Accepted for publication) Lung, pleura and chest wall – 2nd edition of Essential of Surgery (Publisher : Jaypee Brothers Medical)


EXAMINATION CELL
The Examination Cell, NEIGRIHMS was established in the year 2008, when the first batch of MBBS course was admitted. The cell is presently housed temporarily at the Ground Floor, Faculty Block. The Cell is engaged in planning and conducting various Internal Examinations of MBBS course, facilitates University Professional MBBS, PG (MD/MS) Examinations of NEHU and also the Entrance Examinations of MBBS Course, B.Sc. (Nursing), PG (MD/MS), DM (Cardiology) Examinations and Recruitment Examinations.

1. Current Manpower

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Designation</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dean</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Controller of Exam</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Sub Dean</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Assistant Registrar</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Stenographer</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Upper Division Clerk</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Lower Division Clerk</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>Data Processing Assistant</td>
<td>4</td>
</tr>
<tr>
<td>8</td>
<td>Assistant</td>
<td>4</td>
</tr>
<tr>
<td>9</td>
<td>Attendant (Peon)</td>
<td>2</td>
</tr>
</tbody>
</table>

2. Entrance Examination conducted

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Course</th>
<th>Date of Examination</th>
<th>No. of Candidate applied</th>
<th>No. of eligible candidate</th>
<th>Date of result declared</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>B.Sc. (N)</td>
<td>22.06.2014</td>
<td>900</td>
<td>830</td>
<td>22.06.2014</td>
</tr>
<tr>
<td>3</td>
<td>PG (MD/MS)</td>
<td>22.04.2014</td>
<td>409</td>
<td>350</td>
<td>22.04.2014</td>
</tr>
<tr>
<td>4</td>
<td>DM (Cardiology)</td>
<td>23.07.2014</td>
<td>35</td>
<td>35</td>
<td>23.04.2014</td>
</tr>
</tbody>
</table>

3. MBBS Internal Professional Examination

   a. Internal MBBS Examinations:-
<table>
<thead>
<tr>
<th>Sl.</th>
<th>Year</th>
<th>Batch</th>
<th>No. of Internal Examination</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1st Year MBBS</td>
<td>2014-2015</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>1st Year MBBS</td>
<td>2013-2014</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>2nd Year MBBS</td>
<td>2012-2013</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>3rd Year MBBS (Part-I)</td>
<td>2011-2012</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>3rd Year MBBS (Part-II)</td>
<td>2010-2011</td>
<td>2</td>
</tr>
</tbody>
</table>

b. Professional MBBS Examinations:-

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Year of Exam</th>
<th>Batch</th>
<th>No. of Candidates appeared</th>
<th>No. of candidates declared passed</th>
<th>Date of result declared</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1st MBBS (M) June/2014</td>
<td>2013-2014</td>
<td>55</td>
<td>44</td>
<td>25.07.2014</td>
<td>80%</td>
</tr>
<tr>
<td>2</td>
<td>1st MBBS (S) September/2014</td>
<td>2013-2014</td>
<td>11</td>
<td>9</td>
<td>09.10.2014</td>
<td>81.82%</td>
</tr>
<tr>
<td>3</td>
<td>2nd MBBS (M) December/2014</td>
<td>2012-2013</td>
<td>49</td>
<td>46</td>
<td>07.01.2014</td>
<td>93.62%</td>
</tr>
<tr>
<td>4</td>
<td>2nd MBBS (S) April/2015</td>
<td>2012-2013</td>
<td>3</td>
<td>3</td>
<td>18.05.2015</td>
<td>100%</td>
</tr>
<tr>
<td>5</td>
<td>3rd MBBS (M) (Part-I) December/14</td>
<td>2011-2012</td>
<td>48</td>
<td>34</td>
<td>07.01.2015</td>
<td>70.83%</td>
</tr>
<tr>
<td>6</td>
<td>3rd MBBS (S) (Part-I) April/2015</td>
<td>2011-2012</td>
<td>15</td>
<td>14</td>
<td>18.05.2015</td>
<td>93.33%</td>
</tr>
<tr>
<td>7</td>
<td>3rd MBBS (Part-II) (M) December/2014</td>
<td>2010-2011</td>
<td>47</td>
<td>35</td>
<td>07.01.2015</td>
<td>74.47%</td>
</tr>
<tr>
<td>8</td>
<td>3rd MBBS (Part-II) (S) April/2015</td>
<td>2010-2011</td>
<td>14</td>
<td>10</td>
<td>22.05.2015</td>
<td>71.43%</td>
</tr>
<tr>
<td>9</td>
<td>PG (MD/MS) April/2015</td>
<td>2012</td>
<td>10</td>
<td>10</td>
<td>07.05.2015</td>
<td>100%</td>
</tr>
</tbody>
</table>

4. Amount sanctioned and expenditures for the various examinations during the year 2014
a. Entrance Examinations:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Course</th>
<th>Date of Examination</th>
<th>Amount collected as fees</th>
<th>Amount sanctioned</th>
<th>Expenditure</th>
<th>Amount refunded</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DM(Cardiology)</td>
<td>23.07.2014</td>
<td>1,05,000/-</td>
<td>1,70,000/-</td>
<td>58,410/-</td>
<td>1,11,590/-</td>
</tr>
<tr>
<td>2</td>
<td>PG(MD/MS)</td>
<td>22.04.2014</td>
<td>12,27,000/-</td>
<td>9,00,000/-</td>
<td>5,75,180/-</td>
<td>3,24,820/-</td>
</tr>
<tr>
<td>3</td>
<td>MBBS (Online)</td>
<td>13.07.2014</td>
<td>93,77,500/-</td>
<td>12,50,000/-</td>
<td>10,63,478/-</td>
<td>1,86,522/-</td>
</tr>
<tr>
<td>4</td>
<td>B.Sc (Nursing)</td>
<td>22.06.2014</td>
<td>4,50,000/-</td>
<td>7,90,000/-</td>
<td>4,43,045/-</td>
<td>3,46,955/-</td>
</tr>
<tr>
<td>5</td>
<td>Payment to vendor for MBBS online examination for 6050 candidates @ 450 per candidate + tax</td>
<td></td>
<td></td>
<td></td>
<td>30,59,000/-</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total</td>
<td>1,11,59,500</td>
</tr>
</tbody>
</table>

b. Professional Examination:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of Examination</th>
<th>Date</th>
<th>Amount sanctioned</th>
<th>Expenditure</th>
<th>Amount refunded</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PG (MD/MS) (Ex+ Mod)2011</td>
<td>25.02.2014</td>
<td>5,40,000/-</td>
<td>3,48,800/-</td>
<td>1,91,200/-</td>
</tr>
<tr>
<td>2</td>
<td>PG (MD/MS) Thesis</td>
<td>19.02.2014</td>
<td>41,000/-</td>
<td>34,326/-</td>
<td>6,674/-</td>
</tr>
<tr>
<td>3</td>
<td>1st MBBS (M) June-July/2014</td>
<td>23.06.2014</td>
<td>4,00,000/-</td>
<td>1,38,625/-</td>
<td>2,61,375/-</td>
</tr>
<tr>
<td>4</td>
<td>1st MBBS(S)September/2014</td>
<td>21.08.2014</td>
<td>2,70,000/-</td>
<td>1,14,934/-</td>
<td>1,55,066/-</td>
</tr>
<tr>
<td>5</td>
<td>2nd MBBS(M)December/2014</td>
<td>13.11.2014</td>
<td>4,55,000/-</td>
<td>3,28,408/-</td>
<td>1,26,592/-</td>
</tr>
<tr>
<td>6</td>
<td>2nd MBBS(S)April/2015</td>
<td>13.03.2015</td>
<td>2,44,000/-</td>
<td>99,170/-</td>
<td>1,44,830/-</td>
</tr>
<tr>
<td>7</td>
<td>3rd MBBS (Part-I) (M) December/2014</td>
<td>13.11.2014</td>
<td>3,60,000/-</td>
<td>2,62,017/-</td>
<td>97,983/-</td>
</tr>
<tr>
<td>8</td>
<td>3rd MBBS(Part I) (S) April/2015</td>
<td>13.03.2015</td>
<td>1,50,000/-</td>
<td>78,154/-</td>
<td>71,846/-</td>
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<tr>
<td>9</td>
<td>3rd MBBS(Part-II)(M) December/2014</td>
<td>12.11.2014</td>
<td>4,76,000/-</td>
<td>3,18,823/-</td>
<td>1,57,177/-</td>
</tr>
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<td>10</td>
<td>3rd MBBS(Part-II) (S) April/2015</td>
<td>13.03.2015</td>
<td>3,02,000/-</td>
<td>2,08,946/-</td>
<td>93,053/-</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td>32,38,000</td>
<td>19,32,203</td>
<td>13,05,796</td>
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</table>
C. Recruitment of various posts of NEIGRIHMS:-

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Amount sanctioned</th>
<th>Expenditure</th>
<th>Amount refunded</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4, 00, 000/-</td>
<td>2, 44,921/-</td>
<td>1, 55, 079/-</td>
</tr>
</tbody>
</table>

CENTRAL LIBRARY

STAFF:

Librarian : Ms. Wandahun Dkhar

Assistant Librarian : 2

Sr. Library & Information Assistant (Contract): 2

Outsourcing Staff

- Computer operator : 1
- Xerox Operator : 2
- Cleaners : 2
- Library Attendants : 10

INTRODUCTION

The Central Library is a Four Storied Building and caters to a cross section of users ranging from Students to Doctors, Nurses and Paramedical Staff. It has a seating capacity of 200 Readers with separate reading place for the Faculty.

TIMING

- Monday – Friday : 9:00 AM – 9:00 PM
- Saturday : 9:00 AM – 1:00 Pm
- Sunday and Holiday : Closed

LIBRARY COLLECTION
Books Collection: 18575 of which 1105 is new arrivals

Print Journals 2015: 105 Nos
- Indian: 25 Nos
- International: 80 Nos

WHO Global Package which includes:
- Periodical & Selected Series
- Weekly Epidemiological Record
- WHO Drug Information
- WHO Global
- WHO Technical Report Series

E-BOOKS AND E-JOURNALS

- E-Books: 650+ Numbers

- ProQuest Health and Medical Complete (Package): Which includes over 1900 Journals from major publishers in all fields of Medical Science and complimentary access to ebooks in Medical Science and Nursing available in ebrary platform.

- J-Gate Biomedical Science (Package): An electronic gateway to global e-journal literature. It provides access to 5566+ full text journals. And 10838+ indexed journals.

- Indian Journals Package: Online Indian Journals from http://www.indianjournals.com, which includes 154 Title of Indian Journals from different fields of Medical Science

- Electronic Resources in Medical Sciences (ERMED) Consortium From National Medical Library (NML) New Delhi, which includes
  - BMJ Group (23 Medical Journals)
  - Cambridge University Press (38 Medical Journals)
  - Informa Health Care (40 Medical Journals)
  - Lippincott William & Wilkins (97 Medical Journals)
  - Oxford University Press (35 Medical Journals)
  - John Wiley (56 Medical Journals)

BOUND JOURNALS AND THESIS
Library maintains separate section of bound journals and thesis presented by the post graduate students of the Institute.

**CD-ROM SEARCH**

Central Library provides CD-ROM search facility for the users. The Central Library has CDs of books and journals maintained by the concerned staff of Central Library.

**MAGAZINES & NEWS PAPER**

- Magazines : 11
- Newspapers (Local) : 05
- Newspapers (National) : 08

**COMPUTER LAB & INTERNET SERVICES**

The Computer Unit is equipped with 20 computer terminals. Internet facility is available free of cost to the users during the working hours.

**SERVICE PROVIDED**

- **Quick Reference Service**: The library provides Reference Service and conducts yearly Orientation Programme for the students. It plays a significant role to serve the faculty members, residents, research fellows, staff and students. The Library is engaged in serving its readers with books, journals, bound journals, newspaper and magazines. The Library provides open access to its users, it also has an Internet browsing Area students which is now fully operationalised.

- **Personal Reading Area**: A personal reading area is also proposed to be set up for reading. The staff provided Quick Reference Service to the users at an average of 10-15 queries Per Day.

- **Circulation Service**: Registered members of the library such as faculty, students including BSc Nursing, MMBBS and PG’s from different departments, Research Scholars, paramedics and non-teaching staff of the Institute can borrow books from the library.

- **Printing Facilities**: Library Provides Printing and Photocopying for the users of the Library.
• **REPROGRAPHY SERVICE:** At present library is providing reprography services for all the users of the Library.

• **DISPLAY OF NEW ARRIVALS**

• **CONSULTATION SERVICES**

**ACTIVITIES:**

• **HELD OF BOOKS EXHIBITION:** The Library organized the Book Exhibition every year.

• **USERS EDUCATION AND LIBRARY TOUR:** Library conducts Orientation Programme for BSc Nursing Students and MBBS Students.

• Assisted in searching and locating documents & Articles on request.

• Maintenance of Vertical files
  (Question Papers, Reports, and Prospectus etc.)

**CONFERENCE AND WORKSHOP**

• The Committee for Satellite Centre for Evidence Based Child Health in collaboration with Central Library conducted a workshop on the 4th – 5th November 2013 on “How to Practice Evidence Based Medicine in Child health”, Librarian Ms. W. Dkhar, Member Secretary has taken up a session on “Introduction to PUBMed Search.

• The Committee for Satellite Centre for Evidence Based Child Health in collaboration with Central Library conducted a short course program on the 30th January – 1st February 2014 on “How to Teach Evidence Based Child health”.

**MEDICAL EDUCATION UNIT**

DEPARTMENT OF MEDICAL EDUCATION, NEIGRIHMS

**Governing Body of Medical Education Unit (MEU)**
1. **Chairman:**
   Dr. Animesh Mishra

2. **Member Secretary & Co-ordinator:**
   Dr. Md. Yunus

3. **Members:**
   Dr. Akash Handique  
   Dr. Subrat Panda  
   Dr. W.V. Lyngdoh  
   Dr. M. Agarwal  
   Dr. Star Pala  
   Mrs. W. Dkhar

Department of Medical Education, NEIGRIHMS was situated in the ground floor of the Faculty block near Administrative block. It was started in September 2011. Now it is reallocated to Tele-Medicine room of Community Medicine Department. The Department is equipped with Audiovisual and Photography and a few books as of now.

1. From April 2014 onwards. **In-House Continue Medical Education / Faculty Development Programme** for Faculty, Resident Doctors, Nursing Faculty/Lecturer/Tutor & MBBS students has been conducted.

2. On 3rd April 2014, The Third Meeting of the Governing body of Medical Education Unit was held at Medical Education Unit Office at 2pm. Two Sub-committee were constituted as follows:-

   i. **Sub-committee for Orientation programme of MBBS & PG, Faculty, Resident Doctors** from Medical Education and the members are-
      a. Dr. Md. Yunus, Chairman  
      b. Dr. Star Pala, Member Secretary  
      c. Dr. W.V. Lyngdoh, Member  
      d. Dr. Bhaskar Borgohain, Member  
      e. Dr. Manish Kapoor, Member  
      f. Dr. Amitav Sharma, Member  
      g. Dr. Binod Kumar Thakur, Member

   ii. **Sub-committee for Training programme** under Medical Education Unit and the members are-
      a. Dr. Md. Yunus, Chairman  
      b. Dr. Star Pala, Member Secretary  
      c. Dr. Rituparna Baruah, Member  
      d. Dr. Yookarin Khonglah, Member  
      e. Dr. Tanie Natung, Member  
      f. Dr. Amitav Sharma, Member  
      g. Dr. Himesh Barman, Member  
      h. Dr. Sourabh Duwarah, Member
3. On 24<sup>th</sup> April 2014, 1<sup>st</sup> meeting of “Sub-committee for Faculty Training & Development programme from Medical Education Unit” at 2pm at Medical Education Unit.

4. On 2<sup>nd</sup> May 2014, A Guest Lecture on Medical Education, Topic- “Bloom’s Taxonomy of Educational Objective” by Dr. Biswadeep Das from International Medical University, Kuala Lumpur, Malaysia at LT-1 (3-4PM).

5. On 7<sup>th</sup> May 2014, SPSS Software is installed in 10 Department- Anatomy, Pathology, Anaesthesiology, General Surgery, Obstetrics & Gynaecology, Cardiology, Ophthalmology, Community Medicine, Central Library & Medical Education Unit Office and followed on 7th & 8th May 2014 by SPSS Software Demonstration & Training Session for Faculty and on 12th May 2014 for MBBS students from Medical Education Unit was organized.

6. On 15<sup>th</sup> May 2014, Technical Evaluation of Color Poster Printing Machine is submitted for Department of Medical Education Unit.

7. On 2<sup>nd</sup> June 2014, the 1st meeting of the “Sub-Committee for Orientation Programs for MBBS & PG” new admission in NEIGRIHMS under Medical Education was held at 2:30 PM in Medical Education Unit Office.

8. MEU presented first CGR of Medical Education Unit on 14<sup>th</sup> June 2014 by Dr. Md. Yunus with Guest Lecture on “Improving Medical Education: Problems & Prospects” by Dr. K.K. Deepak, Chairman of K.L. centre of Medical Education & Technology, AIIMS, New Delhi is organized by Medical Education Unit at LT-1.

9. On 30<sup>th</sup> June 2014, the 2<sup>nd</sup> meeting of the Sub-Committee for Orientation Program for PG & MBBS students was held at 3:00 PM in Medical Education Unit.

10. On 17<sup>th</sup>-19<sup>th</sup> July 2014, Five Faculty members completed the Basic course Workshop in Medical Education Technology at Regional Training Centre, KGMU, UP, Lucknow.

11. On 23<sup>rd</sup> July 2014, Medical Education Unit has organized one day Orientation programme for 1st year Post Graduate & Post Doctor (MD/MS/DM) student at Medical Education Unit.

12. On 28<sup>th</sup> August - 6<sup>th</sup> September 2014, Dr. Md. Yunus, Coordinator of MEU and Dr. Animesh Mishra, Chairman of MEU went to the 70th National course on Education Science for Teachers of Health Professionals (NTTC) at JIPMER, Puducherry.

13. On 18<sup>th</sup>-20<sup>th</sup> September 2014, Five Faculty members completed the Basic course Workshop in Medical Education Technology at Regional Training Centre, KGMU, UP, Lucknow.

14. On 3<sup>rd</sup> November 2014, the 3<sup>rd</sup> meeting of the Sub-Committee for Orientation Program for PG & MBBS students was held at 3:00 PM in Medical Education Unit.

15. On 11<sup>th</sup> November 2014, the 4<sup>th</sup> meeting of the Sub-Committee for Orientation Program for PG & MBBS students with the Speakers & Faculty of the 1<sup>st</sup> year MBBS orientation programme was held at 2:30 PM in Medical Education Unit.

16. On 13<sup>th</sup> November 2014, Medical Education Unit has organized Orientation programme for 1st year MBBS student at LT-1. On 24<sup>th</sup> November 2014, the fourth Meeting of the Governing body of Medical Education Unit was held at Medical Education Unit Office at 2pm.

17. MEU supports many CME/Conference/Course & Programme.

18. On 1<sup>st</sup> December 2014, 2<sup>nd</sup> meeting of “Sub-committee for Faculty Training & Development programme from Medical Education Unit” at 2:30 pm at Medical Education Unit.
19. On 4th-6th December 2014, Five Faculty members completed the Basic course Workshop in Medical Education Technology at Regional Training Centre, KGMU, UP, Lucknow.

20. On 4th & 5th March 2015, Medical Education Unit is hosting the Annual Day Scientific programme 2015 at NEIGRIHMS.

21. On 12th March 2015, The Chairman of Medical Education Unit have constituted the Committee for The MCI Basic course workshop on Medical Education Technology at NEIGRIHMS to be held on 26th – 28th March 2015 and the Committee members are as follows:

22. On 26th – 28th March 2015, Medical Education Unit has organized the 3 days MCI Basic course workshop on Medical Education Technology under Supervision of Medical Council Of India & with the Guidance of King George’s Medical University, U.P., Lucknow from 26th-28th March 2015(Thus, Fri & Sat) at Clinical Teaching Room-1, NEIGRIHMS.

23. Medical Education Unit has also done publication of 2 Books:-
   a. A Handbook on Basics of Medical Education