

**4th ANNUAL QUALITY ASSURANCE REPORT
(A.Q.A.R)
OF
INTERNAL QUALITY ASSURANCE CELL
(I.Q.A.C)**



FOR THE YEAR 2013-2014

**REGIONAL INSTITUTE OF PARAMEDICAL &
NURSING SCIENCES (RIPANS), AIZAWL**

(Under Ministry of Health & Family Welfare, Govt. of India)

Website : www.ripans.org

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Members of I.Q.A.C, RIPANS.

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Feedback Form

Name of the Institution : **Regional Institute of
Paramedical**

**&Nursing Sciences
(RIPANS), under MoH&FW,
Govt.of India.**

Affiliating University : **Mizoram University (Central University by Act 8 of 2000 of Parliament of India).**

Name of Director RIPANS : **Dr.Chawngthanliana**
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Name of Coordinator, I.Q.A.C : **Dr.Nivedita Sharma**
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Members of I.Q.A.C of RIPANS :

1. **Dr.Chawngthanliana, Director, RIPANS**
2. **Ms.Lalfamkimi, Principal (N), RIPANS**
3. **Dr.Lalsanglura Ralte, HOD MLT, RIPANS**
4. **Dr.H.Lahlenmawia, HOD, Pharmacy & Academic Representative , RIPANS**
5. **Dr.Renee Lalrinzuali, HOD, Optometry, RIPANS**
6. **Dr.M.Sarmah, HOD, RIT, RIPANS**
7. **Dr.Nivedita Sharma, O/ic Training & Placement Section, Coordinator Exam & I.Q.A.C, RIPANS**
8. **Finance & Accounts Officer, RIPANS.**
9. **Mrs.Margaret Ch.Zama, Director, I.Q.A.C Mizoram University - External Expert.**
10. **Mr.Laltanpuia, Associate Professor, Govt.Zirtiri Residential Science College - External Expert.**

ANNUAL QUALITY ASSURANCE REPORT

Name of the Institution : **Regional Institute of Paramedical and Nursing Sciences (RIPANS), Aizawl, Mizoram**

Year of Report : **2013- 2014 (1st April, 2013 to 31st March, 2014)**

Section A: Plan of Action Chalked out by the IQAC in the beginning of the year towards quality enhancement.

- i) Develop and apply advanced nursing care knowledge in health care settings.
- ii) To strengthen the department's laboratory facilities with new instruments and infrastructures.
- iii) To continue with the policy of encouraging students in preparing and attending more seminars.
- iv) To improve academic excellence in the department.
- v) To produce qualified and dedicated Nursing personnel.
- vi) To organize more seminars, workshops and eye camps.
- vii) To produce qualified and dedicated Optometrists.
- viii) Conducting Project work amongst the student wisely.
- ix) Extracurricular activities like conducting Quiz amongst the students.
- x) Increase in number of faculty.
- xi) Short term training and re-orientation of existing faculty.
- xii) Strengthening of staff interaction process.
- xiii) Additional Classroom and Physics Laboratory.
- xiv) New equipment and consumable items for demonstration purpose.
- xv) Increase availability of Library books and journals.
- xvi) Increased student participation in academic and extra-curricular activities.
- xvii) Organize field trips for students at local hospitals and also organize field trips to places outside the state.
- xviii) Joining National Radiographers Society and other associations.
- xix) Hiring of expert to give lecture on:-

- a) Teaching methodology from ISTM, New Delhi.
 - b) Office procedure & Financial Management from ATI, Aizawl.
 - c) Adolescence problems and its remedial measures.
- xxii) Seminar on Future Prospect for B.Sc-MLT.
- xxiii) Conduct of Seminars, Symposiums to the students of RIPANS and passed out students in the current topics e.g. Controversial interpretation of widal test, malaria test (Immunological), etc.
- xxiv) To conduct Quiz Competition on the topic of General Knowledge and Current Affairs to enhance the capability of students for job interview.xxv) To conduct the Industry Institute partnership programme to fill the gap between Pharmaceutical Industry and Institute. This programme will help students to get job in Industry and the programme will help the Department to design the course curricula to meet the need for Pharmaceutical Industry.
- xxvi) To conduct entrepreneurship Development Programme: This programme will develop students who are interested to become private entrepreneurs in Pharmaceutical sector.
- xxvii) Preparation of student placement brochure: Placement brochure will be sent to different Pharmaceutical Industry to support student placement.
- xxviii) Publication of student dissertation: Student dissertation will be publish in a book for circulation to encourage students to publish their hard work.

Section B: Detail in respect of the following:-

1. Activities reflecting the goals and objectives of the Institution.

- i) Conducting Theory and practical classes of B.Pharm.
- ii) Conduct internal assessment and University examination.
- iii) Imparts Practical training of final year students to different Pharmaceutical Industry/ Hospital, etc.
- iv) Conduct dissertation work to final year students.
- v) Conduct various research works on the Pharmaceutical fields.
- vi) Publishes research report in various National and International scientific journal.
- vii) Presented oral and poster at various national and international seminar and conferences.

- viii) Organized Seminar/Conferences on the topic of Pharmaceutical field.
- ix) Assist student's placement.
- x) Continuation of ongoing programmes.
- xi) Encourage the staff for further studies.
- xii) Recruitment of new staff on contract basis.
- xiii) Observation of World Optometry Day on 23rd March.
- xiv) Regular exams were conducted on time- internal and University semester exams.
- xv) Clinical exposure programme-Exposure posting at Civil Hospital, Trinity Diagnostic Centre and Mizoram State Cancer Institute.
- xvi) Personality development training for the passed out students and the staff was organized on 27th September, 2013.

2. New Academic programmes initiated.

Introduction of M.Pharm Course from the Session 2014 – 15 is already initiated. Permission from Govt. of Mizoram was already obtained. Permission from Mizoram University, Pharmacy Council of India and All India Council for Technical Education is in progress. Students intake of 32 per year with 8 seats each in the following 4 fields:-

i)	Pharmaceutics	-	8 seats
ii)	Pharmaceutical Chemistry	-	8 seats
iii)	Pharmacognosy	-	8 seats
iv)	Pharmacology	-	8 seats

3. Innovations in curricular design and transaction.

- i) The Mizoram University form Board of Undergraduate studies in Pharmacy to look after the B.Pharm curriculum.
- ii) Indian Nursing Council Syllabus was followed, copies are given to the students.
- iii) Basic computer class for the passed out students started.
- iv) Project works given for the final passed out students.
- v) The present syllabus is being followed.
- vi) Classes by faculty from other departments like Nursing etc. which were initiated earlier were continued to train our students in various aspects of First-Aid, resuscitation and in subjects like Hospital management and organization. These

do not form part of normal syllabi but will be helpful when students actually go and work on the field.

- vii) Guest Faculty- Dr. Lalrinawma Hnamte, expert in Hospital administration conducted classes and seminars for the students.
- viii) Clinical Applications of Radiology was introduced where non-Radiology guest faculty took classes and seminars.
- ix) Guest faculty- Dr. B.Zothankima, Head, Department of Radiation Oncology, Mizoram State Cancer Institute, Zemabawk took classes on Radiotherapy and its application

4. Interdisciplinary programme started.

- i) English language was continued.
- ii) Nursing and Pathology Department faculty took classes on various topics.
- iii) Theory and Practical classes had been conducted by the faculties of MLT for B.Sc (N), BOOT, BRIT in Pathology, Microbiology and Biochemistry.

5. Examination reforms implemented.

- i) The Mizoram University frames the Examination regulation.
- ii) Examinations as per the Mizoram University were conducted for 1st – IVth Year B.Sc(N). Examination cell was formed in the department of Nursing.
- iii) Department of MLT is continuing the system which had started during 2012-2013.
- iv) Examinations as per the Mizoram University were conducted.
- v) Pharmacy, MLT, Optometry and RIT Departments follow the semester system of examinations conducted by Mizoram University.

6. Candidates qualified: NET/SLET/GATE

The following students OF B.Pharm qualified Graduate Pharmaceutical Aptitude Test – 2013 -

- i) Mr. C. Malsawmkima
- ii) Ms. Lalrinsangi Sailo
- iii) Ms. R.K. Lalchawimawii
- iv) Ms. K.L. Senenthai Konyak
- v) Mr. Lalmuanawma
- vi) Mr. Epithung M. Mohzui
- vii) Ms. Lalrempuii

- viii) In 2013 amongst the B.Sc-MLT passed out 5 graduates candidates were continuing Master's degree in various institution in India like Kasturba Medical College, St. John's Medical College etc.

7. Initiative towards faculty development programme.

- i. The following faculties are awarded Doctor of Philosophy in Pharmacy from Dibrugarh University:
- a) Ms. Lalzikpuii, under the guidance of Dr. Dipak Chetia, Professor, Department of Pharmaceutical Sciences, Dibrugarh University, Dibrugarh. Title: **Isolation, Characterization and Biological Evaluation of Active Principles of *Aporusa oblonga***
 - b) Mr. Laldusanga Pachuau, under the guidance of Dr. Bhaskar Mazumder, Asst Professor, Dept. of Pharmaceutical Sciences, Dibrugarh University, Dibrugarh. Title: **Development and Evaluation of Colon Targetted Drug Delivery System for the Treatment of IBD using Polysaccharide of *Albiza procera*.**
- ii. The following faculties are pursuing Ph.D programme :
- a) Mrs. Victoria Devi
 - b) Mr. Zothanpuia
 - c) Ms. P.C. Lalawmpuii
 - d) Ms K Thanzami
 - e) Ms R Lalawmpuii
 - f) Mr. R. Vanlalruata
 - g) C. Karuppasamy
- iii. The teacher participated as examiner under Mizoram Nursing Council and others university programmes.
- iv. The teachers are encouraged to pursue further studies, to attend seminars and refresher Courses.
- v. Dr. Lalsanglura Ralte, HOD Attended:-
- a) Personalities development training on 27.3.2013
 - b) NEMICROCON 2013 at NEIHGRIMS Shilling (26 – 27th July, 2013) on Application of real time PCR in diagnostic Micro: and role of automation in diagnostic microbiology.
 - c) Workshop on education and information technology on 24th May, 2013
 - d) Human resource development and management training at NIHFW on 3 – 7th February, 2014
 - e) Talk on Healthy India : Diagnostic controversies in Malaria in DDK, Aizawl.
 - f) Panel of discussion on Health India organized by DDK, Aizawl.
 - g) Training on Interpretation of HDCL reading at Biorad Company Kolkata on 10.2.2014.

- h) Conducting practical demonstration on Estimation of reproductive hormone in Elisa Technique on 17.9.2013 in ICAR Training Programme at CVS & AH
- vi. C. Karuppasamy, Asst. Professor Attended:-
- a) Conference cum Workshop on Application of Real Time PCR in diagnostic Microbiology and Role of Automation in Diagnostic Microbiology (26 – 27/7/2013) at NEIGHRIMS, Shillong organized by NEMICROCON
 - b) Short term course on Molecular Detection and Characterization of Microbial Pathogens (3-14.3.2013) at CVS & AH
 - c) Attended Personalities development Training on 27.3.2013.
- vii. Dr. L. Inaotombi Devi, Asst. Professor
- a) As resource person and delivered lecturer on Chromatographic Technique and its Application in Biomedical research in ICAR sponsored training programme at CVS &AH , CAU, Selesih, Aizawl, Mizoram on 12.9.2013
 - b) As resource person conducted the demonstration practicals on “Estimation of reproductive hormone using ELISA Technique” in ICAR sponsor Training programme at CVC & AH, Biochemistry department CAU, Selesih, Aizawl, Mizoram on 17th September, 2013.
 - c) 5 days workshop on education and information technology (20th – 24th May, 2014)
 - d) Personality development Training on 27th September, 2013.
 - e) Attended and presented research paper in international conference cum exhibition on Drug Discovery and Development from National Resourcec held at Department of Pharmacy (5-6/2/2014)
- viii. Dr. Zothansangi, Asst. Professor Attended:-
- a) Human Resources Development and Management Training at NIHFW, New Delhi
 - b) Training on Biomedical Waste Management under Mizoram Pollution Control Board.
 - c) CME on Cerebral Resuscitation at New-Life Hospital & Research Centre Organized – CME on Molecular Diagnosis of tuberculosis
- ix. Fanai Lalsangluaii, Guest Lecturer Attended:-
- a) One day Seminar (State level) on Genetically modified crops and food security on 23rd January, 2014
 - b) International Conference cum Exhibition on Drug Discovery and development from Natural Resources, and presented a poster, on 5 – 6.2.2014

- x. Luke Masih, Demonstrator attended Personality development training

- xi. T. Vanlallawmi, Demonstrator (Contract) Attended:-
 - a) Personality development Training on 27th September, 2013
 - b) Healthy India Programme at DDK on 25th March, 2013
 - c) Workshop on Basic Computer skills on 29th April to 2nd May, 2013

- xii. Dony MS Dawngliani Demonstrator (Contract) Attended:-
 - a) NSS – North East Youth Festival at MZU on 3-7th February, 2014 organised by NSS Cell, Mizoram
 - b) Healthy India Programme and demonstrated Microbiology Lab Organised by DDK on 25.3.2014
 - c) Personality development training on 27th September, 2013.

- xiii. Dr. Mrs. Sarda Devi, Asst. Professor attended:-
 - a) Personality development training on 27th September, 2013.
 - b) Workshop on Education & Information Technology on 20th – 24th May, 2013
 - c) Workshop on Basic Computer Skills on 29th April – 2nd May, 2013

- xiv. Richard MS Dawngliana, Asst. Professor (Contract) attended:-
 - a) Personality development training on 27th September, 2013.
 - b) Human resources Development and Management Training at NIHFW on 3-7th February, 2014
 - c) HPLC interpretation training at Biorad Kolkata on 10th February, 2014

- xv. Mrs. Lydia Malsawmtluangi, Asstt. Professor (Contract) attended:-
 - a) Basic Computer Skills on 29th April to 2nd May, 2013
 - b) Education and Information Skills on 20th May 2013 to 24th May, 2013
 - c) Personality Development Training on 23rd September, 2013
 - d) International Conference cum Exhibition on drug discovery and development from natural resources on 5th and 6th February, 2014
 - e) Disaster Management Programme on 10th March, 2014 at RIPANS
 - f) Healthy India Programme (DDK) on 25th April, 2014
- xvi. Mrs. Rebecca VLT Muanpuii, Asstt. Professor (Contract) attended:-
 - a) Education & Information Skills on 20th May 2013 to 24th May, 2013

- b) Personality Development Training on 23rd September, 2013
 - c) International Conference cum Exhibition on drug discovery and development from natural resources on 5th and 6th February, 2014
 - d) Disaster Management Programme on 10th March, 2014 at RIPANS
- xvii. Dr. Renee Lalrinzuali, Head, Department of Optometry attended:-
- a) One Day National Seminar on Animal Welfare & Ethics conducted by the Dept. of Pharmacy at Hotel Regency on 6th June 2013.
 - b) Training of Trainers on Clinical Care Management of HIV from 17th-21st June 2013 at Synod Hospital Durtlang conducted by Christian Medical Association of India.
 - c) CME on Eye at Hotel Regency conducted by the Eye Care Community & Research Centre and Department of Ophthalmology, Civil Hospital, Aizawl on 2nd August 2013 as Chairperson.
 - d) Training programme at the National Institute of Health & Family Welfare, New Delhi on 'Gender Violence, Health & Human Rights from 29th-31st Oct. 2013
 - e) International Conference cum Exhibition on Drugs Discovery and development from Natural Resources: Was a member of the Organising Committee and chaired one of the scientific sessions of the conference organized by the Department of Pharmacy RIPANS under the sponsorship of Ministry of H&FW, Govt. of India on 5th-6th February, 2014 at the Art & Culture Auditorium, Berawtlang, Aizawl.
 - f) One Day Training on Pre-Hospital Treatment & Pre-Disaster Preparedness on 10th March 2014 conducted by Disaster Management & Rehabilitation, Govt. of Mizoram at the RIPANS Complex.
 - g) One day Training programme on Disability Evaluation, Rehabilitation and Management of Visual Impairment conducted by the NERC- National Institute of Orthopaedically Handicap, Mizoram on 25th March 2014.
- xviii. Dr. R. Lalduhawmi, Assistant Professor attended:-
- a) One Day National Seminar on Animal Welfare & Ethics conducted by the Dept. of Pharmacy at Hotel Regency on 6th June 2013.
 - b) Training of Trainers on Clinical Care Management of HIV from 17th-21st June 2013 at Synod Hospital Durtlang conducted by Christian Medical Association of India.
 - c) CME on Eye at Hotel Regency conducted by the Eye Care Community & Research Centre and Department of Ophthalmology, Civil Hospital, Aizawl on 2nd August 2013 as Moderator.

- d) Training programme at the National Institute of Health & Family Welfare, New Delhi on 'Gender Violence, Health & Human Rights from 29th-31st Oct. 2013
 - e) Annual Conference of the Indian Medical Association, Mizoram Chapter at Tourist Lodge held on 14th Dec 2012. They were in charge of Reception.
 - f) International Conference cum Exhibition on Drugs Discovery and development from Natural Resources organized by the Department of Pharmacy RIPANS under the sponsorship of Ministry of H&FW, Govt. of India on 5th-6th February, 2014 at the Art & Culture Auditorium, Berawtlang, Aizawl.
 - g) One day Training programme on Disability Evaluation, Rehabilitation and Management of Visual Impairment conducted by the NERC- National Institute of Orthopaedically Handicap, Mizoram on 25th March 2014.
- xix. Dr. Zosangzuala, Assistant Professor attended:-
- a) CME on Eye at Hotel Regency conducted by the Department of Eye, Civil Hospital, Aizawl on 2nd August 2013.
 - b) Annual Conference of the Indian Medical Association, Mizoram Chapter at Tourist Lodge held on 14th Dec 2012.
 - c) The 72nd All India Ophthalmic Conference held at Agra, Uttar Pradesh from 6th -9th February, 2014.
 - d) One Day Training on Pre-Hospital Treatment & Pre-Disaster Preparedness on 10th March 2014 conducted by Disaster Management & Rehabilitation, Govt. of Mizoram at the RIPANS Complex.
 - e) One day Training programme on Disability Evaluation, Rehabilitation and Management of Visual Impairment conducted by the NERC- National Institute of Orthopaedically Handicap, Mizoram on 25th March 2014.
- xx. Mr. Firdoos Jaman, Demonstrator attended:-
- a) 'Optometry Professional Development Workshop' under ASCO-IVI Initiative from 3rd-5th July 2013 at Kolkata.
 - b) One Day Training on Pre-Hospital Treatment & Pre-Disaster Preparedness on 10th March 2014 conducted by Disaster Management & Rehabilitation, Govt. of Mizoram at the RIPANS Complex.
 - c) One day Training programme on Disability Evaluation, Rehabilitation and Management of Visual Impairment conducted by the NERC- National Institute of Orthopaedically Handicap, Mizoram on 25th March 2014.
- xxi. Ms. Lalhluzuali, Demonstrator attended:-

- a) IVI Faculty Support programme on Dispensing Optics at Bharati Vidyapeeth School of Optometry, Pune from 29th January to 1st February 2014.
 - b) One Day Training on Pre-Hospital Treatment & Pre-Disaster Preparedness on 10th March 2014 conducted by Disaster Management & Rehabilitation, Govt. of Mizoram at the RIPANS Complex.
 - c) One day Training programme on Disability Evaluation, Rehabilitation and Management of Visual Impairment conducted by the NERC- National Institute of Orthopaedically Handicap, Mizoram on 25th March 2014.
- xxii. Ms. Amy Lalnunsiami, Demonstrator attended:-
- a) One Day Training on Pre-Hospital Treatment & Pre-Disaster Preparedness on 10th March 2014 conducted by Disaster Management & Rehabilitation, Govt. of Mizoram at the RIPANS Complex.
 - b) One day Training programme on Disability Evaluation, Rehabilitation and Management of Visual Impairment conducted by the NERC- National Institute of Orthopaedically Handicap, Mizoram on 25th March 2014.
- xxiii. Mr. Raktim Das, Demonstrator attended:-
- a) One Day Training on Pre-Hospital Treatment & Pre-Disaster Preparedness on 10th March 2014 conducted by Disaster Management & Rehabilitation, Govt. of Mizoram at the RIPANS Complex.
 - b) One day Training programme on Disability Evaluation, Rehabilitation and Management of Visual Impairment conducted by the NERC- National Institute of Orthopaedically Handicap, Mizoram on 25th March 2014.
- xxiv. Ms. Katia Kayina, Demonstrator attended:-
- a) One Day Training on Pre-Hospital Treatment & Pre-Disaster Preparedness on 10th March 2014 conducted by Disaster Management & Rehabilitation, Govt. of Mizoram at the RIPANS Complex.
 - b) One day Training programme on Disability Evaluation, Rehabilitation and Management of Visual Impairment conducted by the NERC- National Institute of Orthopaedically Handicap, Mizoram on 25th March 2014.

8. Total number of Seminar/Workshop conducted.

The following workshop /seminars/conference were conducted by different department as given below:

- i) The Department of Pharmacy Organized One Day Seminar on 'Animal Welfare and Ethics' on 6th June, 2013 at the Conference Hall, Hotel Regency, which was attended by 130

participants from various colleges and University from Mizoram State.

- ii) Training on Communication and Interview skill for B.Pharm outgoing students during 12-14th August, 2013.
- iii) Hands on training on Sophisticated Instruments was conducted for outgoing students of B.Pharm during 15-17th August, 2013.
- iv) HPLC Method Development Training was conducted under IQAC programme during 6-8th January, 2014. Mr Amit Saha, Application specialists of M/s WATERS was the resource person.
- v) The Department of Pharmacy organized 'International Conference cum Exhibition on Drugs Discovery and Development from Natural Resources' on 5th – 6th February, 2014 at Berawtlang Tourist Centre, Zemabawk. 239 participants gathered from India, Japan and Australia, 67 posters and 13 oral presentation was held. Four invited speakers had a talk at different topics on Drugs Discovery.
- vi) The Department of Pharmacy organized one day seminar on 'Advances in Biotechnology' on 15th March, 2014 under the sponsorship of Institutional Biotech Hub. Dr. Bhim Pratap Singh, Dept. of Biotechnology, Mizoram University and Dr. Rita Zomuanpuii, Dept. of Biotechnology, Pachhunga University College as resource person.
- vii) The Department of Pharmacy organized one day seminar on 'Advances in Biotechnology' on 22nd March, 2014 under the sponsorship of Institutional Biotech Hub. Dr. Bhim Pratap Singh, Dept. of Biotechnology, Mizoram University and Dr. Rita Zomuanpuii, Dept. of Biotechnology, Pachhunga University College as resource person.
- viii) The Department of Nursing organized workshop on "Education and Information Technology" for Principals, Lecturers and Tutors of Nursing College and school in Mizoram during 20th – 24th May 2013
- ix) Monthly/ weekly seminars and workshops are conducted in different subject with different topic by the departments for the students
- x) The Department of MLT organized Workshop/ Training on Personalities Development for students and staff during 16th – 27th September, 2013.
- xi) The Department of MLT organized MLT Alumni Meet on 16th October, 2013.
- xii) The Department of RIT organized One Day seminar on 23.11.2013 for the staff and students where Dr. Dipu Bhuyan, Assoc. Prof., Department of Radiodiagnosis, GMC

and Dr. Sushmita Choudhury, Asst. Prof., Department of Pulmonary Medicine, GMC were guest faculty.

9. Research Projects:
(i) Ongoing

Sl. No	Name of Project	Sanctioning Authority	Total fund (Rs in lakh)	Amount received	Coordinator
1.	Institutional Biotech Hub	Dept. of Biotechnology Govt. of India BT/04/NE/2009. Dated 21 st Sept. 2010	Rs 27 lakhs	Rs 19 lakhs	K. Thanzami
2.	Investigation of the Anti diabetic & antiulcer activity and Isolation of lead molecules from <i>Neosomitra clavigera</i>	Dept. of Biotechnology Govt. Of India BT/42/NE/2010. Dated 25 th Feb. 2011	Rs 23.15 lakhs	Rs 12.11 lakhs	Dr. H. Lahlhenmawia Co-PI : Dr H Lahlhenmawia
4.	Investigation of anticancer & antiulcer of the selected ethnomedicinal plants of Mizoram and further Isolation and characterization of their chemical contents	Dept. of Biotechnology BCIL/NER-BPMC/2012/650 Dt.08.05.2012	Rs 75.15 lakhs.		Dr. T.C. Lalhriatpuii Asst. Professor, Dept. of Pharmacy, RIPANS & Co P.I. Ms. R. Lalawmpuii.
5.	Isolation, characterization and Formulation studies of gums obtained from <i>Albizia stipulate</i> and <i>Prunus cerasoides</i> of Mizoram	Dept. of Biotechnology No.BCIL/NER-BPMC/2012/752 Dt.31.05.2012	24.36.lakhs		Mr.Lalduhsang a Pachuau Asst. Professor, Dept. of Pharmacy, RIPANS Co P.I. Mrs. K. Thanzami.
6.	Establishment of Facility for evaluation of mechanism of drugs using modern Pharmacology	All India Council for Technical Education No.8024/RIFD /MOD(NER)-58/Policy-11/2011-12 Dt.26.03.2012	Rs.10.lakhs	Rs.10.lakhs	Mr.Zothanpuia Asst. Professor, Dept. of Pharmacy, RIPANS Co P.I : Dr H .Lahlhenmawia
7.	Hemoglobin variants and hemoglobinopathies in Mizoram Population	Dept. of Biotechnology No.BCIL/NER-BPMC/2012/1549 Dt.17.12.2012	Rs. 30.25 lakhs	Rs.14.56 lakhs	Dr.Lalsanglura Ralte, Head, Dept. of MLT, RIPANS Co-PI : Dr. Inaotombi Devi, Asst. Prof. Dept. of MLT, RIPANS

8. Assessment of MDR Patterns and ESBL producing microbial Pathogens prevalent in milk and vegetables sample of Aizawl town.
9. Assessing the nasal carrier of Methicilline Resistant Staphylococcus aureus in RIPANS.
10. Comparative study of ESR estimation by using Westerngreens methods/ Wintrobes method/ Machine methods.

(ii) Completed

Sl. No	Name of Project	Sanctioning Authority	Total fund	Amount received	Coordinator
1.	Investigation of antidiabetic potential and Phytochemical constituents of <i>Syzicium cumini</i> Linn	All India Council for Technical Education (AICTE) F.No.8024/RID/BO R/MOD-115/2008-09; 16 th January, 2009.	Rs 7.7 lakhs	Rs 7.7 lakhs	Dr. H. Lahlhenmawia

10. Patents generated:

None

11. New Collaborative research programmes:

The following collaborative research programmes are ongoing as follows –

Sl. No	Title	Collaborator	Coordinators
1.	Investigation of the Antidiabetic and anti ulcer activity and Isolation of lead molecules from <i>Neosalsomitra clavigera</i>	Dept. of Pharmacy, RIPANS & Dept. of Pharmaceutical Technology, Jadavpur University	1. Dr. H. Lahlhenmawia (Parent Institute) 2. Dr. S.C. Mandal (Collaborator)
2.	Investigation of anticancer & antiulcer of the selected ethnomedicinal plants of Mizoram and further Isolation and characterization of their chemical contents	Dept. of Pharmacy, RIPANS & Dept. of Pharmaceutical Sciences, Dibrugarh University	1. Dr TC Lalhriatpuii (Parent Institute) 2. Dr SK Ghosh (Collaborator)
3.	Isolation, characterization and Formulation studies of gums obtained from <i>Albizia stipulate</i> and <i>Prunus cerasoides</i> of Mizoram	Dept. of Pharmacy, RIPANS & Dept. of Pharmaceutical Sciences, Dibrugarh University	1. Mr Laldusanga Pachuau (Parent Institute) 2. Prof K Ruckmani (Collaborator)
4.	Hemoglobin variants and hemoglobinopatheies in Mizoram Population	Dept. of MLT, RIPANS & College of Veterinary Sciences & A.H., Central Agricultural University, Selesih, Aizawl, mizoram	1. Dr. Lalsanglura Ralte (Parent Institute) 2. Dr. M. Ayub Ali (Collaborator)

12. Research grant received from various agencies

(i) Ongoing

Sl. No	Name of Project	Sanctioning Authority	Total fund	Amount received	Coordinator
1.	Institutional Biotech Hub	Dept. of Biotechnology Govt. of India BT/04/NE/2009. Dated 21 st Sept. 2010	Rs.27 lakhs	Rs.19 lakhs	K. Thanzami
2.	Investigation of the Anti diabetic & antiulcer activity and Isolation of lead molecules from <i>Nealsomitra clavigera</i>	Dept. of Biotechnology Govt. of India BT/42/NE/2010. Dated 25 th Feb. 2011	Rs.23.15 lakhs	Rs.12.11 lakhs	Dr. H. Lahlhenmawia
4.	Investigation of anticancer & antiulcer of the selected ethnomedicinal plants of Mizoram and further Isolation and characterization of their chemical contents	Dept. of Biotechnology BCIL/NER-BPMC/2012/650 Dt.08.05.2012	75.15lakhs.		Dr. T.C. Lalhriatpuii Asst. Professor, Dept. of Pharmacy, RIPANS & Co P.I. Ms. R. Lalawmpuii.
5.	Isolation, characterization and Formulation studies of gums obtained from <i>Albizia stipulate</i> and <i>Prunus cerasoides</i> of Mizoram	Dept. of Biotechnology No.BCIL/NER-BPMC/2012/752 Dt.31.05.2012	24.36 lakhs		Mr.Lalduhsanga Pachuau Asst. Professor, Dept. of Pharmacy, RIPANS & Co P.I. Mrs. K. Thanzami.
6.	Establishment of Facility for evaluation of mechanism of drugs using modern Pharmacology	All India Council for Technical Education No.8024/RIFD/M OD(NER)-58/Policy-11/2011-12 Dt.26.03.2012	Rs.10.lakhs	Rs.10.lakhs	Mr.Zothanpuia Asst. Professor, Dept. of Pharmacy, RIPANS & Co P.I Dr.H.Lahlhenmawia
7.	Hemoglobin variants and hemoglobinopathies in Mizoram Population	Dept. of Biotechnology No.BCIL/NER-BPMC/2012/154 9 Dt.17.12.2012	Rs. 30.25 lakhs	Rs.14.56 lakhs	Dr.Lalsanglura Ralte, Head, Dept. of MLT, RIPANS & Co-PI : Dr. Inaotombi Devi, Asst. Prof. Dept. of MLT, RIPANS

(ii) Completed

Sl. No	Name of Project	Sanctioning Authority	Total fund	Amount received	Coordinator
1.	Investigation of antidiabetic potential and Phytochemical constituents of <i>Syzicium cumini</i> Linn	All India Council for Technical Education (AICTE) F.No.8024/RID/B OR/MOD-115/2008-09; 16 th January, 2009.	Rs.7.7 lakhs	Rs.7.7 lakhs	Dr. H. Lahlhenmawia

13. Details of research scholars:

The following faculties of Pharmacy Department pursuing Ph.D as below –

Name & Designation	University where Ph.D is being done with date of registration	Ph.D Dissertation Topic	Name & Designation of Guide
Mrs. Sh. Victoria Devi, Asst. Professor, Dept. of Pharmacy, RIPANS	Dibrugarh University, Assam Ph.D – 16.12.2008	Studies on analgesic, antipyretic and anti-inflammatory activities of some Ethnomedicinal Plants of Mizoram	Dr. Sanjib Das, Professor, Dept. of Pharmaceutical Sciences, +Assam University.
Mr. Zothanpuia, Asst. Professor, Dept. of Pharmacy, RIPANS	Dibrugarh University, Assam. Registration awaited. (Synopsis submitted and Pre- Ph.D registration course completed).	Phytochemical & Pharmacological evaluation of traditionally used plant <i>Dillemia pentagyna</i> Roxb.	Dr. Bibhuti Kakoti, Associate Professor, Dept. of Pharmaceutical Sciences, Dibrugarh, Assam.
Ms. P.C. Lalawmpuii, Asst. Professor, Dept. of Pharmacy, RIPANS	Dibrugarh University, Assam. Registration awaited. (Synopsis submitted and Pre- Ph.D registration course completed).	Phytochemical Investigation and biological Evaluation of <i>Helicia robusta</i> Roxb.	Dr. Bibhuti Kakoti, Asst. Professor, Dept. of Pharmaceutical Sciences, Dibrugarh, Assam.
Mrs. K. Thanzami Asst. Professor Dept. of pharmacy, RIPANS	Dibrugarh University, Assam.	Phytochemical & Pharmacological evaluation of Bioactive compounds from <i>Lovicera Macrantha</i> (D Don), Spreng an Ethnomedicinal plant of Mizoram.	Dr. Bibhuti Kakoti, Asst. Professor, Dibrugarh University, Assam..
Ms. R. Lalawmpuii Asst. Professor. Dept of Pharmacy, RIPANS	Dibrugarh University, Assam.	Phytochemical & Pharmacological Screening of some Medicinal plants from Mizoram.	Dr. S.K Gosh, Associate Professor, Dept. of Pharmaceutical Sciences, Dibrugarh, Assam.
Mr R.Vanlalruata Asst. Professor. Dept of Pharmacy, RIPANS	Dibrugarh University, Assam.	To be assigned	Dr Aparoop Das Asst Professor, Dibrugarh University, Assam.
C. Karuppasamy Asst. Professor, Dept. Of MLT, RIPANS	Assam University, Silchar 12.9.2013	Molecular characterization & multiple drug resistance pattern of diarrhea-genic <i>Escherichia coli</i> isolated from infants and children of Aizawl district, Mizoram	Dr. Indhu Sharma Assistant Professor, Dept. of Microbiology Assam University, Silchar.

**14. Citation Index of faculty members and impact factors:
Presentation (Oral and Poster)/ Seminar/ Workshop attended:
(April, 2013- March, 2014)**

- Workshop and Seminar attended:
- i) Dr. H. Lalhlenmawia, Head, Dept. of Pharmacy**
 - Organizing Secretary for 'One day seminar on Animal Welfare and Ethics', organized by Dept. of Pharmacy, RIPANS, in association with committee for the purpose of control and Supervision of Experiments on Animals (CPCSEA) on 6th June, 2013 at Aizawl.
 - Attended and awarded distinction training on "Results Framework Management System (RFMS)" – A web-based software for On-line preparation of Results – Framework Document (RFD) clients/citizens charters (CCC) organized by Performance Management Division Cabinet Secretariat, Govt. of India, at Delhi on 22nd August, 2013.
 - Organizing Secretary at the International Conference cum Exhibition on Drugs Discovery and Development from Natural Resources, organized by Dept. of Pharmacy, RIPANS at Art & Culture Auditorium, Beraw tlang, Aizawl from 5th – 6th February, 2014.
 - Oral presentation on the topic of In vitro estimation of total phenols, flavonoids, tannins and triterpenes and HPTLC quantification of triterpenes at the International Conference cum exhibition on Drugs Discovery and Development from Natural Resources, organized by Dept. of Pharmacy, RIPANS at Art & Culture Auditorium, Beraw tlang, Aizawl from 5th – 6th February, 2014.
 - Poster presentation on the topic of "Pharmacognostical and physiochemical standardization of the leaves of *Blumea lanceolaria* (Roxb) Druce." at the International Conference cum exhibition on Drugs Discovery and Development from Natural Resources, organized by Dept. of Pharmacy, RIPANS at Art & Culture Auditorium, Beraw tlang, Aizawl from 5th – 6th February, 2014.
- ii) Dr. Lalrosangi, Asst. Professor**
 - Attended workshop on 'Basic Computer Skills' conducted by Computer Center, RIPANS during 29th April - 2nd May, 2013.
 - Attended "One day seminar on Animal Welfare and Ethics', organized by Dept. of Pharmacy, RIPANS, in association with CPCSEA on 6th June, 2013 at Aizawl.
 - Attended training on "Communication Skills and Personality Development" conducted by Administrative Training Institute, Aizawl during 20th – 22nd August, 2013.

- Attended training on “Gender Violence, Health and Human Rights” at National Institute of Health & Family Welfare, New Delhi from 29th – 31st October, 2013.
- Participated as Organiser (Convener Refreshment) at the International Conference cum exhibition on Drugs Discovery and Development from Natural Resources, organized by Dept. of Pharmacy, RIPANS at Art & Culture Auditorium, Berawtlang, Aizawl from 5th – 6th February, 2014.
- Attended “Indian Medical Association, Mizoram Branch Conference” on 12th December, 2013 at Tourist Lodge, Aizawl.

iii) Dr. TC Lalhriatpuii, Asst. Professor

- Attended “One day seminar on Animal Welfare and Ethics’, organized by Dept. of Pharmacy, RIPANS, in association with CPCSEA on 6th June, 2013 at Aizawl.
- Attended seminar on “Oil and Natural Gas in Mizoram Present Scenario and prospects” organized by Mizo Post Graduate Science Society and Directorate of Geology and Mineral Resources, Govt. of Mizoram, held on 28th August, 2013 at Aizawl.
- Poster presentation in the topic of ‘Ethnomedicinal Use and Qualitative phytochemical screening of *Buettneria aspera* coleb and *Cordia wallichii* Don, a medical plants from Mizoram”, at the International Conference cum Exhibition on Drugs Discovery and Development from Natural resources, during 5th – 6th February, 2014 at Aizawl.
- Participated as Organizing Treasurer at the International Conference cum exhibition on Drugs Discovery and Development from Natural Resources, organized by Dept. of Pharmacy, RIPANS at Art & Culture Auditorium, Beraw tlang, Aizawl from 5th – 6th February, 2014.

iv) Dr. Lalzikpuii, Asst. Professor

- Attended “One day seminar on Animal Welfare and Ethics” organized by Dept. of Pharmacy, RIPANS in association with CPCSEA on 6th June, 2013 at Aizawl.
- Attended training on “Communication Skills and Personality Development” conducted by Administrative Training Institute, Aizawl during 20th – 22nd August, 2013.
- Participated as convener, Registration and Accommodation Committee at the International Conference cum exhibition on Drugs Discovery and Development from Natural Resources, organized by Dept. of Pharmacy, RIPANS at Art & Culture Auditorium, Beraw tlang, Aizawl from 5th – 6th February, 2014.

- Poster presentation on the topic of “Ethnomedicinal Use and Qualitative phytochemical screening of *Buettneria aspera* coleb and *Cordia wallichii* Don, a medical plants from Mizoram”, at the International Conference cum Exhibition on Drugs Discovery and Development from Natural resources, during 5th – 6th February, 2014 at Aizawl

v) Mrs. SH. Victoria Devi, Asst. Professor

- Attended and presented poster on the topic of “Pharmacognostical and Physiochemical standardization of the leaves of *Blumea lanceolaria* (Roxb) Druce” at the International Conference cum Exhibition on Drug Discovery and Development from Natural resources” organized by Dept. of Pharmacy, RIPANS on 5th – 6th Feb, 2014 at Aizawl.
- Attended “One day seminar on Animal Welfare and Ethics” organized by Dept. of Pharmacy, RIPANS in association with CPCSEA on 6th June, 2013 at Aizawl.
- Participated as Member, Stage preparation, Hall Decoration and Sanitation Committee at the International Conference cum exhibition on Drugs Discovery and Development from Natural Resources, organized by Dept. of Pharmacy, RIPANS at Art & Culture Auditorium, Beraw tlang, Aizawl from 5th – 6th February, 2014.
- Poster presentation on the topic of “Analysis of various phytochemical constituents, TLC, and HPLC profiling of some traditionally used ethnomedicinal plants of Mizoram” at the International Conference cum Exhibition on Drugs Discovery and Development from Natural resources, during 5th – 6th February, 2014 at Aizawl.
- Poster presentation on the topic of “Analysis of various phytochemical constituents, TLC, and HPLC profiling of some traditionally used ethnomedicinal plants of Mizoram” at the International Conference cum Exhibition on Drugs Discovery and Development from Natural resources, during 5th – 6th February, 2014 at Aizawl.
- Poster presentation on the topic of “Pharmacognostical and physiochemical standardization of the leaves of *Blumea lanceolaria* (Roxb) Druce. at the International Conference cum exhibition on Drugs Discovery and Development from Natural Resources, organized by Dept. of Pharmacy, RIPANS at Art & Culture Auditorium, Berawtlang, Aizawl from 5th – 6th February, 2014 at Aizawl.

vi) Mr. Zothanpuia, Asst. Professor

- Attended and presented poster on the topic ‘Preliminary Phytochemical screening and in-vitro anti-oxidant activity of *Dillenia pentagyna* Roxb” at the International Conference cum Exhibition on Drug Discovery and Development from

Natural resources” organized by Dept. of Pharmacy, RIPANS on 5th – 6th Feb, 2014 at Aizawl.

- Attended “One day seminar on Animal Welfare and Ethics” organized by Dept. of Pharmacy, RIPANS in association with CPCSEA on 6th June, 2013 at Aizawl.
- Participated as Convener, Committee for Overall Programme planning & transportation at the International Conference cum exhibition on Drugs Discovery and Development from Natural Resources, organized by Dept. of Pharmacy, RIPANS at Art & Culture Auditorium, Berawtlang, Aizawl from 5th – 6th February, 2014.
- Poster presentation on the topic of “Preliminary phytochemical screening and invitro anti oxidant activity of *Dillenia pentagyna* Roxb.” at the International Conference cum exhibition on Drugs Discovery and Development from Natural Resources, organized by Dept. of Pharmacy, RIPANS at Art & Culture Auditorium, Berawtlang, Aizawl from 5th – 6th February, 2014.
- Resource person on the topic of “Amphetamine: Clinical use and Toxicity” at refresher course for pharmacist organized by Mizoram Govt. Pharmacists Association on 27th March, 2017.

vii) Dr. Laldusanga Pachuau, Asst. Professor

- Awarded **Best Poster Presentation** for the scientific paper entitled “Invitro-Invivo Evaluation of ethylcellulose – procera gum coated budesonide microspheres for colour specific delivery” in the poster session of the “Wano Bio 2013” held at Dept. of Pharmaceutical Technology, Anna University, BIT campus, Tiruchirappathi during 27th – 29th June, 2013.
- Poster presentation on the topic of “Characterization and antioxidant activity of *Prunus cerasoides* gum exudates” at IIT Guwahati, organized by IIT, chemical Engineering Department during 6th – 11th Jan, 2014.
- Poster presentation on the topic of “Characterization and antioxidant activity of *Albizia stepulata* gum exudates” at 27th International carbohydrate symposium at IISG, Bangalore during 12th – 17th Jan, 2014.
- Attended “One day seminar on Animal Welfare and Ethics” organized by Dept. of Pharmacy, RIPANS in association with CPCSEA on 6th June, 2013 at Aizawl.
- Participated as Convener, Scientific Committee for at the International Conference cum exhibition on Drugs Discovery and Development from Natural Resources, organized by Dept. of Pharmacy, RIPANS at Art & Culture Auditorium, Berawtlang, Aizawl from 5th – 6th February, 2014.

- Attended a three days special workshop for college teachers “Techniques in Biotechnology & Bio-informatics” organized by collaboration of State Biotech Hub, Mizoram University, Institutional Biotech Hub Govt. Zirtiri Residential Science college and Pachhunga University College, at Dept. of Zoology, Pachhunga University College during 21st – 23rd August, 2013.

viii) Mrs. K. Thanzami, Asst. Professor

- Attended workshop on “Basic computer skills” conducted by Computer Center, RIPANS during 29th April – 2nd May, 2013.
- Attended “One day seminar on Animal Welfare and Ethics” organized by Dept. of Pharmacy, RIPANS in association with CPCSEA on 6th June, 2013 at Aizawl.
- Attended a three days special workshop for college teachers “Techniques in Biotechnology & Bio-informatics” organized by collaboration of State Biotech Hub, Mizoram University, Institutional Biotech Hub Govt. Zirtiri Residential Science college and Pachhunga University College, at Dept. of Zoology, Pachhunga University College during 21st – 23rd August, 2013.
- Attended seminar on “Oil and Natural Gas in Mizoram Present Scenario and prospects” organized by Mizo Post Graduate Science Society and Directorate of Geology and Mineral Resources, Govt. of Mizoram, held on 28th August, 2013 at Aizawl.
- Participate at Training course on ‘An introduction to Bio-informatics’ organize by Bio-informatics infrastructure facility and State Biotech Hub, Dept. of Biotechnology, Mizoram University held on 26th Oct, 2013.
- Attended State level workshop on ‘Genetically modified crops and Food Security’ organized by Mizoram Science Centre (Mizoram Council of Science, Technology and Environment), Aizawl held on 2nd Oct, 2013.
- Participated as Convener, Souvenir, Reports and Printing at the International Conference cum exhibition on Drugs Discovery and Development from Natural Resources, organized by Dept. of Pharmacy, RIPANS at Art & Culture Auditorium, Berawtlang, Aizawl from 5th – 6th February, 2014.
- Poster presentation on the topic of “Ethnomedicinal use of Combretum punctatum var squamosum by the tribal people of Mizoram and comparison of the phytochemical constituents of the aqueous and hy-droalcoholic crude extracts of the leaves” at the International Conference cum exhibition on Drugs Discovery and Development from Natural Resources, organized by Dept. of Pharmacy, RIPANS at Art &

Culture Auditorium, Berawtlang, Aizawl from 5th – 6th February, 2014.

- Poster presentation on the topic of “Antimicrobial activity of Methanol extract of *Hiptage benghalensis* (L) Kurz” at the International Conference cum exhibition on Drugs Discovery and Development from Natural Resources, organized by Dept. of Pharmacy, RIPANS at Art & Culture Auditorium, Berawtlang, Aizawl from 5th – 6th February, 2014.
- Poster presentation on the topic of “Ethnomedicinal use of *Combretum punctatum* var comparison of the phytochemical constituents of the aqueous and hydro-alcoholic crude extracts of the leaves’ at the International conference cum Exhibition on Drug Discovery and Development from Natural Resources, held at Aizawl during 5th – 6th Feb, 2014.
- Co-ordinator at One day Seminar on ‘Advances in Biotechnology’ organized by Institutional level Biotech Hub, Dept. of Pharmacy, RIPANS on 15th March, 2014.

ix) Ms. PC. Lalawmpuii, Asst. Professor

- Poster presentation on the topic “Preliminary Phytochemical Screening and Evaluation of Anti-Inflammatory Activity of *Idelicia nilagira* Bedd. On Carragunas Induced Paw edema in Rats’ at the International Conference cum Exhibition on Drug Discovery and Development from Natural Resources, held at Aizawl during 5th – 6th Feb, 2014.
- Poster presentation on the topic “Preliminary Phytochemical screening and in-vitro antioxidant activity of *Dillenia pentagyna* Roxb.” at the International Conference cum Exhibition on Drug Discovery and Development from Natural Resources, held at Aizawl during 5th – 6th Feb, 2014.
- Poster Presentation on the topic of “Invitro anti oxidant activity of different extracts of *Oroxylum indicum*” at the International Conference cum Exhibition on Drug Discovery and Development from Natural Resources, held at Aizawl during 5th – 6th Feb, 2014.
- Attended “One day seminar on Animal Welfare and Ethics” organized by Dept. of Pharmacy, RIPANS in association with CPCSEA on 6th June, 2013 at Aizawl.
- Participated at One day Seminar on ‘Advances in Biotechnology’ organized by Institutional level Biotech Hub, Dept. of Pharmacy, RIPANS on 15th March, 2014.
- Attended one week UGC Networking Training Course under Module A-Z on “Challenges and Opportunities in Drug Discovery” from 18th – 23rd Nov, 2013 at Pubjab University, Chandigarh.

- Attended State level workshop on ‘Genetically modified crops and Food Security’ organized by Mizoram Science Centre (Mizoram Council of Science, Technology and Environment), Aizawl held on 2nd Oct, 2013.
- Participated as Convener, Stage preparation, Hall Decoration and Sanitation at the International Conference cum exhibition on Drugs Discovery and Development from Natural Resources, organized by Dept. of Pharmacy, RIPANS at Art & Culture Auditorium, Berawtlang, Aizawl from 5th – 6th February, 2014.
- Participated at One day Seminar on ‘Advances in Biotechnology’ organized by Institutional level Biotech Hub, Dept. of Pharmacy, RIPANS on 22nd March, 2014.

x) Ms. R. Lalawmpuii, Asst. Professor

- Poster Presentation on the topic of “Ethnomedicinal use and Qualitative Phytochemical Screening of *Buettneria aspera* coleb and *Cordia wallichii* Don, a medicinal plants from Mizoram” at the International Conference cum Exhibition on Drug Discovery and Development from Natural Resources, held at Aizawl during 5th – 6th Feb, 2014.
- Poster Presentation on the topic of “The Phytochemical analysis of and free radical scavenging activity of *Aporusa octandra*” at the International Conference cum Exhibition on Drug Discovery and Development from Natural Resources, held at Aizawl during 5th – 6th Feb, 2014.
- Attended “One day seminar on Animal Welfare and Ethics” organized by Dept. of Pharmacy, RIPANS in association with CPCSEA on 6th June, 2013 at Aizawl.
- Attended workshop on “Basic computer skills” conducted by Computer Center, RIPANS during 29th April – 2nd May, 2013.
- Attended State level workshop on ‘Genetically modified crops and Food Security’ organized by Mizoram Science Centre (Mizoram Council of Science, Technology and Environment), Aizawl held on 2nd Oct, 2013.
- Participate at Training course on ‘An introduction to Bio-informatics” organize by Bio-informatics infrastructure facility and State Biotech Hub, Dept. of Biotechnology, Mizoram University held on 26th Oct, 2013.
- Participated and completed training programme on “FELSA recommendation of category C of International Course on laboratory Animal Sciences”, organized by CSIR – IGIB, NIAW, CPCSEA and Ttrecht University of Netherland, held during 18th – 29th Nov, 2013 at CSIRF – IGIB, Mathura Road, N. Delhi.

- Participated as Convener, Local Hospitality and Entertainment at the International Conference cum exhibition on Drugs Discovery and Development from Natural Resources, organized by Dept. of Pharmacy, RIPANS at Art & Culture Auditorium, Berawtlang, Aizawl from 5th – 6th February, 2014.
- Participated at One day Seminar on ‘Advances in Biotechnology’ organized by Institutional level Biotech Hub, Dept. of Pharmacy, RIPANS on 15th March, 2014.
- Participated at One day Seminar on ‘Advances in Biotechnology’ organized by Institutional level Biotech Hub, Dept. of Pharmacy, RIPANS on 22nd March, 2014.

xi) Mr. R. Vanlalruata, Asst. Professor

- Attended “One day seminar on Animal Welfare and Ethics” organized by Dept. of Pharmacy, RIPANS in association with CPCSEA on 6th June, 2013 at Aizawl.
- Attended seminar on “Oil and Natural Gas in Mizoram Present Scenario and prospects” organized by Mizo Post Graduate Science Society and Directorate of Geology and Mineral Resources, Govt. of Mizoram, held on 28th August, 2013 at Aizawl.
- Attended by AICTE sponsored Quality Improvement Programme on 2013 on “Systematic approaches to National Drug designing for discovery and development on Medicinal” organized by Dept. of Pharmaceutical Sciences, Birla Institute of Technology, Mesua Ranchi during 25th June – 8th July, 2013.
- Participated at the Training course on ‘An introduction to Bio-informatics” sponsored by Dept. of Biotechnology Ministry of Sciences & Technology, Govt. of India at Dept. of Biotechnology, Mizoram University held on 26th Oct, 2013.
- Participated as Secretary, Scientific Committee at the International Conference cum exhibition on Drugs Discovery and Development from Natural Resources, organized by Dept. of Pharmacy, RIPANS at Art & Culture Auditorium, Berawtlang, Aizawl from 5th – 6th February, 2014.
- Attended workshop on “Basic computer skills” conducted by Computer Center, RIPANS during 29th April – 2nd May, 2013.
- Attended State level workshop on ‘Genetically modified crops and Food Security’ organized by Mizoram Science Centre (Mizoram Council of Science, Technology and Environment), Aizawl held on 2nd Oct, 2013.

PUBLICATIONS

- i) N Agarwal, V Mandal, **H Lahlhenmawia**, S Tangjang, SC Mandal,' Developing Lupeol Enriched Fraction as a Potential Candidate for the Management of Diabetes as well as for Quality Control Purpose from the Dried Ripe Fruits of *Neosalsomitra clavigera* (Wall) Hutch.' **Inventi Impact : Ethnopharmacology** Vol.2014, Pg.26-33, ISSN: 2229-4155.
- ii) Magdaline Tarai, Jaya Gopal Meher, Ansuman Patnaik, Dr. Paresh Mishra, **Dr. H. Lahlhenmawia**, ' Novel, buco-compatible simvastatin buccal film: An integrative study of the effect of formulation variables.' **Journal of Scientific and Innovative Research** 2013;2(5), Pg.846-856' ISSN:2230-4818.
- iii) **Lalduhsanga Pachuau** and Bhaskar Mazumder,' Colonic Drug Delivery Systems Based on Natural Polysaccharides and their Evaluation.' **Mini-Reviews in Medicinal Chemistry**, Bentham Science Publishers, 2013,13, Pg.1982-1991,
- iv) **Lalduhsanga Pachuau** and Baskar Mazumder,' Evaluation of *Albizia procera* gum as compression coating material of colonic delivery of budesonide.' **International Journal of Biological macromolecules**, 2013;61, Pg. 333-339, ISSN: 0141-8130

Impact Factor:2.596

- v) C. Malsawmtluangi, Deepak Kumar Nath, Italini Jamatia, Lianhmingthangi, E. Zarzoliana, **Lalduhsanga Pachuau**, ' Determination of Sun Protection Factor (SPF) number of some aqueous herbal extracts' **Journal of Applied Pharmaceutical Science** Vol. 3 (09), Pg. 150-151, September, 2013, ISSN: 2231-3354
- vi) **Lalduhsanga Pachuau**, C. Malsawmtluangi, Nirmal Kumar Nath, H.Ramdinsangi, David C. Vanlalfakawma, Shri Kant Tripathi,' Physicochemical and functional characterization of microcrystalline cellulose from bamboo (*Dendrocalamine longispathus*.' **International Journal of Pharmtech Research**, Vol 5, No.4, Pg.1561-1571, Oct-Dec 2013.
- vii) "Preliminary study on aero fungal allergens found in the atmosphere of Civil Hospital Aizawl" **C Karuppasamy, Dr. Lalsanglura Ralte**, T.R. Kannan and S. Saravanakumar. *International Journal of Environment Sciences*. Vol - 4, No -3, 2013. Ages 274-283 ISSN: 0976 - 4402. (Imp. Fact: 0.3286)
- viii) M. Ayub Ali, Lalsangpuii, C. Lalmuanthanga, Parthasarathi Behera, Jagan Mohanarao G., C. Lalchhandama and **L. Inaotombi Devi**: Antioxidant Activities of Methanolic extract of *Plantago Major* Leaves.
- ix) Lalsangpuii, **L. Inaotombi Devi**, P.K. Subudhi and M. Ayub Ali: Effect of Age and Season on Serum Antioxidant Enzymes of Mizoram Strain Female Mithun (*Bosfrontalis*).

- x) M.C. Lallianchhunga, C. Lalmuanthanga, M. Ayub Ali, C. Lalchhandama, Lalsangpuii, **L. Inaotombi Devi** and Parthasarathi Behera : Antioxidant activities of Seeds of Melocanna baccifera
- xi) **L. Inaotombi Devi**, Lalsangpuii, Lalsanglura Ralte, Shyamananda Mukherjee, Prava M., T.C. Tolenkhomba, N. Shyamsana Singh, M.C. Lallianchhunga and M. Ayub Ali: Effect of Age on Serum TSH, T3 and T4 of Mizoram Strain Female Mithun (Bos Frontalis).
- xii) C. Lalchhandama, C. Lalmuanthanga, M.C. Lallianchhunga, **L. Inaotombi Devi**, Lalsangpuii, Parthasarathi Behera and M. Ayub Ali; Antioxidant activities of Anogeissus acuminata bark.
- xiii) C. Lalmuanthanga, C. Lalchhandama, M.C. Lallianchhunga, Lalsangpuii, **L. Inaotombi Devi** and M. Ayub Ali : Antioxidant activities of leaves of Hibiscus rosasinensis.
 Title – Traditional use of medicinal plants among the tribal communities in Mizoram, NE India
 Journal – Etlurobotany ISSN - 0971 – 1252
- Title – Tradition to technology : an approach to drug development against human pathogenic fungi (pg-49 to 57)
 Journal – Science Vision ISSN Print - 0975 – 6175
 Online- 2229 – 6026
- Title – Tradition to technology: an approach for the management of water – borne bacterial pathogens (pg – 49-57)
 Journal – Science and Technology Journal Vol 1(2) ISSN - 2321 – 3388

Abstract Published

- i) M.C. Lallianchhunga, Parthasarathi Behera, C. Lalmuanthanga, M.Ayub Ali, C. Lalchhandama, Lalsangpuii and **L. Inaotombi Devi**: Antioxidant activities of seeds of Melocanna baccifera in scientific abstracts of International conference cum exhibition on Drug Discovery & Development from Natural Resources held at Department of Pharmacy, RIPANS, Aizawl from 5-6th February, 2014 pp-30
- ii) C. Lalchhandama, C. Lalmuanthanga, M.C. Lallianchhunga, **L. Inaotombi Devi**, Lalsangpuii and M. Ayub Ali : Antioxidant activities of Anogeissus acuminata bark in scientific abstracts of International conference cum exhibition on Drug Discovery & Development from Natural Resources held at Department of Pharmacy, RIPANS, Aizawl from 5-6th February, 2014 pp-39
- iii) Lalsangpuii, M. Ayub Ali, **L. Inaotombi Devi** and Parthasarathi Behera : Effect of age and season on serum antioxidant enzymes of Mizoram strain female mithun (Bos frontalis in scientific abstracts of International conference cum exhibition on Drug Discovery & Development from Natural Resources held at Department of Pharmacy, RIPANS, Aizawl from 5-6th February, 2014 pp-45
- iv) M. Ayub Ali, **L. Inaotombi Devi**, C. Lalmuanthanga, Parthasarathi Behera, Jagan Mohanarao G. and C. Lalchhandama : Antioxidant Activities of methanolic extract of Plantago major leaves in scientific abstracts of International conference cum exhibition on Drug Discovery & Development from Natural Resources held at Department of Pharmacy, RIPANS, Aizawl from 5-6th February, 2014 pp-46

- v) C. Lalmuanthanga, M. Ayub Ali, C. Lalchhandama, M.C. Lallianchhunga, Lalsangpuii and **L. Inaotombi Devi**: Antioxidant Activities of leaves of Hibiscus rosa-sinensis in scientific abstracts of International conference cum exhibition on Drug Discovery & Development from Natural Resources held at Department of Pharmacy, RIPANS, Aizawl from 5-6th February, 2014 pp-48

15. Honors/Awards to the faculty

1. **Dr Lalduhsanga Pachuau** was **Awarded Best Poster Presentation** for the scientific paper entitled “Invitro-Invivo Evaluation of ethylcellulose – procera gum coated budesonide microspheres for colour specific delivery” in the poster session of the “Wano Bio 2013” held at Dept. of Pharmaceutical Technology, Anna University, BIT campus, Tiruchirappathi during 27th – 29th June, 2013.

16. Internal resources generated.

Patients are referred to the department from Eye Department, Civil Hospital Aizawl and Eye Department, Synod Hospital, Durtlang for investigations like Field of Vision by Perimetry, Synoptophore etc. Minimal cost of Rs.200/- is charged for the same.

17. Details of Department getting assistance/recognition under SAAP, COSIST (ASSIST)/DST, FIST, and other programmes.

(a) Ongoing

Sl. No	Name of Project	Sanctioning Authority	Total fund	Coordinator
1.	Institutional Biotech Hub	Dept. of Biotechnology Govt. of India BT/04/NE/2009. Dated 21 st Sept. 2010	Rs.27 lakhs	K. Thanzami
2.	Investigation of the Anti diabetic & antiulcer activity and Isolation of lead molecules from <i>Neosomitra clavigera</i>	Dept. of Biotechnology Govt. Of India BT/42/NE/2010. Dated 25 th Feb. 2011	Rs.23.15 lakhs	Dr. H. Lalhlemawia
4.	Investigation of anticancer & antiulcer of the selected ethnomedicinal plants of Mizoram and further Isolation and characterization of their chemical contents	Dept. of Biotechnology BCIL/NER-BPMC/2012/650 Dt.08.05.2012	75.15lakhs	Dr. T.C. Lalhriatpuii Asst. Professor, Dept. of Pharmacy, RIPANS & Co P.I. Ms. R. Lalawmpuii.
5.	Isolation, characterization and Formulation studies of gums obtained from <i>Albizia stipulate</i> and <i>Prunus cerasoides</i> of Mizoram	Dept. of Biotechnology No.BCIL/NER-BPMC/2012/752 Dt.31.05.2012	24.36.lakhs	Mr.Lalduhsanga Pachuau Asst. Professor, Dept. of Pharmacy, RIPANS Co P.I. Mrs. K. Thanzami.

6.	Establishment of Facility for evaluation of mechanism of drugs using modern Pharmacology	All India Council for Technical Education No.8024/RIFD/MOD(NER)-58/Policy-11/2011-12 Dt.26.03.2012	Rs.10.lakhs	Mr.Zothanpuia Asst. Professor, Dept. of Pharmacy, RIPANS
7.	Hemoglobin variants and hemoglobinopathies in Mizoram Population	Dept. of Biotechnology No.BCIL/NER-BPMC/2012/1549 Dt.17.12.2012	Rs. 30.25 lakhs	Dr.Lalsanglura Ralte, Head, Dept. of MLT, RIPANS Co-PI : Dr. Inaotombi Devi, Asst. Prof. Dept. of MLT, RIPANS

(b) Completed

Sl. No	Name of Project	Sanctioning Authority	Total fund	Coordinator
1.	Investigation of antidiabetic potential and Phytochemical constituents of <i>Syzicium cumini</i> Linn	All India Council for Technical Education (AICTE) F.No.8024/RID/BOR/MOD-115/2008-09; 16 th January, 2009.	Rs.7.7 lakhs	Dr. H. Lahlenmawia

18. Community Services:

- i) The Department of Pharmacy tested food items like locally produced Chow-mein, grape juice, grape wine, Nimbu juice for their safety and calorific values. Testing was conducted upon the request received from the manufacturers.
- ii) Blood grouping, Haematological and Biochemical profile were estimated to many secondary school, Teachers & students free of costs, under DBT – Twining projects.
- iii) Organised free clinic by the Institute at Thingsul Village, many investigations about 350 patients were performed in Haematology, Biochemistry, Clinical Pathology.
- iv) X-Ray and ECG service were provided as part of free clinic at Thingsulthliah CHC.
- v) Many of the staff were involved in local NGO's activities.
- vi) The Department of Nursing conduct Home visits, Immunization Camp, School Health Programme and Community Health Check-up.
- vii) The Department of Optometry, RIPANS, observed World Optometry Day (23rd March) on 24th March 2014 (Monday). All the faculty and staff of the department along with 32 students of 6th Semester and 31 students of 4th Semester, BSc OOT set out for a Free Eye Clinic

at Hermon Childrens Home, Durtlang. Medicines for deworming of the 84 children at the Home was given free of cost along with toiletries like soap, toothpaste and refreshment. All the children along with the Staff were examined. Spectacles were prescribed to 5 (five) children which were fitted and given free of cost.

- viii) Students of 2nd Semester, B.Sc-OOT visited all the departments of RIPANS to distribute pamphlets about eye care and hygiene and create awareness of Optometry among the staff and students. Posters and Banners were also displayed on all the Notice Boards of the Institute in observation of the day. The programme was covered by most of the popular print media of Aizawl.
- ix) Free Clinic at Thingsulthliah Village was conducted by the Institute on 29th May 2013. The Department of Optometry examined more than 200 patients. Spectacles, eyedrops and ointments were also distributed free of cost.

19. Teachers and Officers newly recruited:

- i) Dr. Rosie Lalthanpuii- appointed as Radiologist in the Dept. of RIT on contract basis.
- ii) Dr Zosangzuala, MS (Oph)- appointed as Assistant Professor in the Dept. of Optometry on contract basis
- iii) Mr. Raktim Das- appointed as Demonstrator in the Dept. of Optometry on contract basis
- iv) Ms. Katia Kayina- appointed as Demonstrator in the Dept. of Optometry on contract basis.

20. Teaching – Non-teaching staff ratio:

- i) Dept. of Pharmacy - 1:1.45
- ii) Dept of Nursing - 1:2.5
- iii) Dept of MLT - 1:1
- iv) Dept of Optometry - 1:2.6
- v) Dept of RIT - 1:1.16

21. Improvements in the library services:

- i) Procurement of books / journal and equipments:-
 - a) Nos. of books addition - 2382
 - b) Nos. of print journal subscribed - 24
 - c) Nos. of e-journal subscribed - 34
 - d) Bookcase - 20
 - e) Readers' property rack - 10
 - f) Magazine - 17
 - g) Newspaper(National) - 2
 - h) Newspaper (Local) - 2
 - i) RFID Security gate- installation - 1
 - j) 3M Self check machine-installation - 1
- ii) Library service is extended with:-
 - a) Reference service.
 - b) Document lending service.
 - c) User orientation service.
 - d) Photocopy service.

- iii) Book issuing/ borrowing system being changed from traditional card system to machine readable smart card.
- iv) Library books are fully classified according to DDC 23rd Edition.
- v) Library had been computerized using Total Library Software Solution((TLSS). The Catalogue of the collection of the library is available online through the Web OPAC facility.

22. New book/Journal subscribed and their value:

- i) Nos. of books addition - 2382 (Rs. 1.6 crore)
- ii) Nos. of print journal subscribed - 24 (Rs. 2.24 lakhs)
- iii) Nos. of e-journal subscribed - 34 (Rs. 30.45 lakhs)

23. Courses in which student assessment of teachers is introduced and the action taken on student feedback:

- Student feedback form is collected from students at the end of each year.

24. Feedback from stakeholders:

- Not available.

25. Unit cost of education.

- Rs. 3.33 lakhs per student.

26. Computerization of administration and the process of admissions and examination results, issue of certificates.

- Not applicable.

27. Increase in the infrastructural facilities.

- i) New models for demonstration purposes in Anatomy and Physiology were obtained
- ii) Additional 2 new classrooms for third year B.Sc-OOT and B.Sc-RIT students
- iii) New lockers for students placed in each of the class rooms
- iv) 20 nos. of steel bookcase Library
- v) 10 nos. of Readers' property rack placed in the Library
- vi) Covered terrace constructed in the Administrative Building
- vii) Additional Girls' Hostel newly run with an intake of 60 capacities
- viii) Four (4) buildings viz. Academic-III, Boy's Hostel, Girl's Hostel and Library cum Examination Hall under construction.

ix) List of equipments procured during the reporting period :-

Sl.No	Name of Instruments	Model	Quantity
1.	Single Channel Micropipette	Finpipette F (0.2 – 2mL)	5 No.
2.	Single Channel Micropipette	Finpipette F (2 – 20mL)	5 No.
3.	Single Channel Micropipette	Finpipette F (10 – 100mL)	5 No.
4.	Single Channel Micropipette	Finpipette F (100– 1000mL)	5 No.
5.	Multi Channel Micropipette	Finpipette F (1– 10mL)	5 No.
6.	Multi Channel Micropipette	Finpipette F (10– 100mL)	5 No.
7.	Ultrasonicator	SN-04714-51	1 No
8.	HPLC NH2 Column	Supel co	3 Nos
9	Pulse pick up and Tail cuf for Rat BP recorder	UGO Basile	6 Nos
10	Data Capsule and Isometric transducer	UGO Basile	1 each
11	Gas Chromatography column BP and Propack N	Thermo Scientific	1 each
12	Upgradation of Ion chromatograph	Dionex	Adequate
13	Knife disk		30 nos
14	Central line		2 nos
15	Infusion pump		3 boxes
16	Syringe pump		5 nos
17	Placenta Preavia chart		1 no
18	Twin Pregnancy		1 no
19	Breast changes during pregnancy		1 no
20	Urine changes during pregnancy		1 no
21	Complete Breech Presentation		1 no
22	Foot presentation		1 no
23	Shoulder presentation		1 no
24	Face presentation		1 no
25	Anatomy Models		

28. Technology ugradation:

- i) 5 printers & 15 Computers with accessories procured
- ii) 1 Scanner
- iii) LVA 2 sets
- iv) Contact lens RGP trial set
- v) RFID Security gate- installation
- vi) 3M Self check machine-installation
- vii) Installation of Conference Hall sound system with international standard.
- viii) 5 Projectors procured.

29. Computer and Internet access and training to teachers, non-teaching staff and students:

- i) All computers are connected to LAN Internet connection. Available for teachers including demonstrators

- ii) 3 months computer course for final year B.Sc-MLT students had been carrying out
- iii) For the staff who needs to improved Training had been carried out.
- iv) Broadband internet is provided in the department. The Computer Centre provides computer classes for the students along with internet access. For students Computer training is part of the curriculum

30. Financial Aid to students:

- Scholarship from NEC, Tribal Scholarship (Post Matric), Minority Scholarship and Stipend from the Department of Health & Family Welfare of the State Govts.of 8 North Eastern States.

31. Activities & support from the Alumni Association:

- i) Alumni Association had been formed in the Dept. of MLT.
- ii) Very important and useful feedback were received for the improvement of the course.

32. Activities & support from the Parent – Teachers Association:

- Assessment of the students were communicated to parent/ Guardian

33. Health services:

- i) With many doctors, nurses and paramedical personnel in the faculty and staff of the various departments along with facilities like X-ray, laboratory and eye care facilities, health care of the students is taken care of.
- ii) Services of qualified Doctors and Technicians are available for those requiring such services

34. Performance in sport activities:

- i) The students participated at State Students Nurses Sport and cultural events during 18th – 20th Sept., 2013 and 5 students attend National Meet at Surat during 13th – 17th Nov., 2013.
- ii) PARA-FEST a cultural and sports week was held in the month of 11th – 16th November 2013.
- iii) The staff participated in Central Government Inter-departmental Sport Meet.

35. Incentive to outstanding sport persons:

None

36. Students achievements and awards:

i) Results of University Examination.

Course	Year/ Semester	Nos. of students appeared	Nos. of students passed	Pass Percentage
B.Sc-Nursing	1 st year	46	37	80%
	2 nd year	37	34	91.8%
	3 rd Year	35	33	94.2%
	4 th Year	40	40	100%
B.Sc-MLT	1 st Sem	30	21	70%
	2 nd Sem	50	25	50%
	3 rd year	32	24	75%
B.Pharm	1 st year	31	23	72%
	2 nd year	21	18	85%
	3 rd Year	53	22	41.51%
	4 th Year	40	20	50%
B.Sc-OOT	1 st Sem	34	19	55.88%
	2 nd Sem	32	28	87.5%
	3 rd Sem	30	21	70%
	4 th Sem	33	31	93.93%
	5 th Sem	32	29	90.62%
B.Sc-RIT	1 st Sem	34	24	70.5%
	2 nd Sem	33	29	87.8%
	3 rd Sem	33	27	81.8%
	4 th Sem	30	25	83.4%
	5 th Sem	30	30	100%

ii) Proficiency Award winners-2013:-

(a) Department of Pharmacy:-

Award	Sl. No	Name	Father/Mother Name	Exam No.	Roll	Marks	Percentage
I	1.	Arpon Biswas	Babul Chandra Biswas	1025BPH031		339 of 2010-11	77.11
II	2.	Dipak Kumar Nath	Shri Tam Bhu Ram Nath	1025BPH014		324 of 2010-11	74.63
III	3.	Sarapynbiang Marwein	Ritalis Marwein	1025BPH012		322 of 2010-11	73.63

(b) Dept. of Nursing

Award	Name	Father/Mother Name	Division	Percentage
I	Sudipta Debnath	Pradip Kr. Debnath	I	74.54%
II	Silvana Kharsing	Martin Swer	I	71.96%
III	Mary Tayum	Loma Tayum	I	71.89%

(c) Dept. of MLT

Award	Name	Father/Mother Name	Division	Percentage
I	Donaldson Kharbyngar	Thansing A.Lynrah	Distinction	79.08%
II	Alongba Sor	R.Wati Sor	I	74.19%
III	Abdul Mannan Laskar	Sabir Ahmed Laskar	I	72.12%

(d) Abdul Mannan Laskar, Final Year B.Sc-MLT got 1st Prize in Intra-Institute Quiz Competition

37. Activities of the Guidance and Counseling unit

- i) Common Counsellor available for those requiring expert services
- ii) Career guidance is provided for those seeking the same
- iii) There is 1 Psychologist in the Institute who caters to guidance and counseling of students of all the departments who require her services.

38. Placement Services provided to students

- i) Placement Brochure for final year B.Pharm students is prepared
- ii) Campus Interview process are initiated.
- iii) All Students who passed out last year have been placed in various Government and private set-ups
- iv) Passed out students who had completed Master degree were engaged as Guest Lecturer in MLT Department.
- v) No graduates this year in RIT & Optometry Department. First batch students will appear for the final semester examinations in July, 2014

39. Development Programme for Non-Teaching Staff

- i) Non-teaching staff are allowed and encouraged to attend training, Seminar & Conferences within the country. All the expenditure is sanctioned by the Institute.
- ii) Internal seminars and interactive sessions were held

40. Good Practices of the Institution

- i) Pharmacognosy tour: To collect and identify medicinal plants from forests are conducted by the Department.

- ii) Dissertation: Final year students are exposed to particular topic for small scale research works in the following subject areas-
 - a) Pharmaceutics
 - b) Pharmacology
 - c) Pharmacognosy & Phytochemistry
 - d) Pharmaceutical Chemistry
 - e) Pharmaceutical Microbiology & Biotechnology
 - f) Pharmaceutical Analysis
- iii) Final year student had done one month compulsory practical training at Pharmaceutical Industry, Drug testing Laboratory or Hospital during December- January.
- iv) Communal Harmonies amongst the students.

41. Linkages developed with National/International, academic/research bodies:

- i) AICTE recognized and approved B.Pharm course. Two research project amounts of Rs.17.7 lakhs was sponsored by AICTE.
- ii) Pharmacy Council of India approved B.Pharm Course.
- iii) The Mizoram University had given permanent affiliation to B.Pharm Course
- iv) Dept. of Biotechnology, Govt. of India funded 3 research project and one Biotech hub worth of Rs.192.92 lakhs
- v) Student were placed for practical training at- M/s Natco Pharma Ltd, Hyderabad, India
- vi) Under Central Agriculture University CVS & AH Department of Biochemistry and Department of MLT had a genuine collaboration in research work and published many papers.
- vii) DBT – under Twining Project permitted research work with MLT Department.
- viii) LGBRIMH, Tezpur – students are sent each year for two weeks as exposure training.
- ix) Linkages have been proposed for Internship with Sri Sankardev Nethralaya, Guwahati and Shushrut Eye Care & Research Foundation, Kolkata. Other centres will also be contacted and studied for the same.
- x) Indian medical Association, Indian Radiological and Imaging Association, Society of Indian Radiographers and Indian Association of Radiographers and Technologist (IART)

- xi) Dr. M.Sarmah, Head, Department of RIT was invited as an orator to deliver key note address for the National Conference of Indian Association of Radiographers and Technologist at Thrissur, Kerela in December, 2013.

42. Action Taken Report on the AQAR of the previous year

- i) Training/ re-orientation programme for existing staff introduced
- ii) Regular internal and semester exams were conducted
- iii) Field visits to local hospitals were organized
- iv) Students presented internal seminars on various topics
- v) Make shift class room for the third batch in progress
- vi) Rural Health Posting for 2nd & 4th Year B.Sc(N) students were conducted
- vii) New instruments and models were acquired
- viii) Classes are conducted with audio-visual aids
- ix) 40 students passed B.Sc(N) in 1st Division, Sudipta Debnath was toper and 5 students were place in top ten position.
- x) Finishing school programme was organized for IVth Year B.Sc(N) students.
- xi) Quiz competition was conducted.

43. Any other relevant information:

- i) Quiz competition on General Knowledge and Current Affairs was conducted among student of each classes of B.Pharm students to improve their knowledge to appear interview in future.
- ii) Training on Communication and Interview skill for B.Pharm outgoing students during 12-14th August, 2013.
- iii) Hands on training on Sophisticated Instruments was conducted for outgoing students of B.Pharm. Training on HPLC, Gas Chromatograph and Ion chromatograph were conducted.
- iv) HPLC Method Development Training was conducted during 6-8th January, 2014 by inviting Application specialist. The training was attended by faculties of the Department.

- v) Final year B.Pharm. students are given research project to specialize in any one of the topic under –
1. Pharmaceutics
 2. Pharmacognosy & Phytochemistry
 3. Pharmaceutical Chemistry
 4. Pharmaceutical Analysis
 5. Pharmacology
 6. Pharmacy Practice
- vi) Final year B.Pharm. students were deputed to Pharmaceutical Industry in India for one month training requires scientific knowledge and Industrial atmosphere. All the expenditure is given by the Institute.
- vii) The following role had been played and contribute towards the progress of the technology development in the state and the country, such as:-

a) Dr. Lalsanglura Ralte, HOD, MLT :-

- Member Life Science Board, Mizoram University.
- Member of Animal Ethic Committee at CVS and AH, Selesih, Aizawl under Central University.
- Member (expert) in the State Council for Technical Education team to inspect Diploma MLT institute on 8th August, 2012 and 12th September, 2013.
- Special Invitee as an expert members in Mizoram State Level Technical Council Committee on 3rd October, 2013.
- Expert member to assess the quality and conformity in Mizoram State Council for Technical Education (MSCTE) on 25.6.2013
- Paper Moderator and Examiner in (MSCTE) Mizoram State Council for Technical Education, Diploma MLT Examination, 2013.
- Paper setter, Moderator and Theory & Practical examiner and Centre Supervisor in MLT Exam conducted by Mizoram University, 2013.
- Expert member in Preparation of Rules and Regulation of Mizoram State Council for Technical Education for Diploma Institute, 2013.
- Prepared Syllabus for Laboratory Technician Recruitment under Mizoram Public Service Commission, 2014 (March).
- Technical Expert member in the Recruitment Committee of CVS & AH in the recruitment of
 - a) Laboratory Technician
 - b) Multi-tasking force
 - c) Librarian (2013)

- Panel Members in the discussion of Healthy India Programme organized by DDK, Aizawl (2013)
- Members, BUGS, (MLT) under Mizoram University.
- b) Dr. Zothansangi (Asst. Professor)**
 - Paper setter and examiner in MSCTE, Diploma course in MLT, 2013
 - Paper setter and Examiner in B.Sc MLT under Mizoram University
- c) Dr. L. Inao Tombi Devi**
 - Members, BUGS (MLT) under Mizoram University
 - Members, Moderation Board, MLT under Mizoram University
 - Internal Practical Examiner
- d) Mr. C. Karuppasamy, Asst. Professor**
 - Member, BUGS (MLT) under Mizoram University
 - Examiner of B.Sc MLT under Mizoram University
 - Member Moderation Board (MLT) under Mizoram University
 - Paper setter in Diploma MLT under MSCTE
- e) F. Lalsangluaii (Guest Lecturer)**
 - Paper setter & Examiner in B.Sc MLT under Mizoram University
 - Member, Moderation Board under Mizoram University

Section C: Outcomes achieved by the end of the year:

1. Smooth conduct of the newly introduced Bachelors degree in Optometry & Ophthalmic Techniques and RIT.
2. Acquisition of new instruments and models
3. Community services related to Eye and eye care have been successfully conducted in and around Aizawl in various forms which have been appreciated widely by the recipients as well as the Institute.
4. Pass percentage final year 75 %. Out of all the passed students from MLT department 5 graduates candidates got PG admission at Kusturba Medical College, St. John Medical College, Loyola College etc.
5. The following students are qualified for Graduate Pharmaceutical Aptitude Test 2013:
 - a. Mr C Malsawmkima
 - b. Ms Lalrinsangi Sailo
 - c. Ms RK Lalchawimawii
 - d. Ms KL Senenthai Konyak

- e. Mr Lalmuanawma
 - f. Mr Epithung M.Mohzhui
 - g. Ms Lalrempuii
6. Student placement brochure was circulated to 450 Pharmaceutical Industry across the country. Many student got calling from various Pharmaceutical Industry.
 7. The Department of Pharmacy had new six international publications.
 8. Hand on training on sophisticated instruments like HPLC and GC was conducted successfully for the outgoing students of B.Pharm
 9. One international conference and one National level seminar was conducted by the Pharmacy department.

Section D: Plans for the next year:

1. To strengthen and consolidate the existing manpower and resources.
2. Recruitment of more faculty & staff as additional batches are admitted.
3. Community based activity/ social work related to eye care.
4. Training of staff in related fields at various training centres like ATI, NIHFW etc.
5. To conduct the Industry Institute partnership programme.
6. To conduct entrepreneurship Development Programme.
7. Preparation of student placement brochure.
8. Publication of student dissertation.
9. To enhance the General knowledge of students.
10. To guide students for different examinations like GRE, TOEFEL etc.
11. The following Plan & Budget are approved for IQAC activities for the year 2014-2015.

Activities	Name of department 7 estimated budget.				
	Nursing	Pharmcy	MLT	Optometry	RIT
	Rs.	Rs.	Rs.	Rs.	Rs.
Workshop/ Seminar/ Training Prog. for staff	1,00,000.00			80,000.00	

Orientation Prog. for 1 st year students	10,000.00				
Personality Development Prog. for 2 nd year students	10000.00				
Disaster Management Prog. for 3 rd year students	10000.00				
Finishing School for 4 th year students	1,00,000.00				
Quiz Competition for all classes	25,000.00	43,300.00			
Community outreach Prog.	45,000.00				
Industry-Institute partnership		1,20,000.00			
Entrepreneurship Dev. Prog.		11,500.00			
Preparation of students Placement Brochure, Guide Books, etc		1,05,000.00	50,000.00		
Publication of student Dissertation		20,200.00			
Seminar/ Workshop for students			1,50,000.00	1,50,000.00	1,80,000.00
Hiring of expert for conducting Workhops/ Seminars, etc.			50,000.00		
Assessment, etc.			50,000.00		
Observation of World Optometry Day				20,000.00	
Participation in Annual Conference of Indian Radiographer					50,000.00
Field trip					70,000.00
Total	3,00,000.00	3,00,000.00	3,00,000.00	2,50,000.00	3,00,000.00

**STUDENT FEEDBACK FORM
INTERNAL QUALITY ASSURANCE CELL, RIPANS**

Name of Student : _____

Date of Birth : _____

Course Attended : _____

Year of Course : _____

Date of Filling Student Feedback Form : _____

ACADEMIC FACULTY RATING PLEASE RATE AS A/B/C

Sl. No	Name of Teacher	Subject Taught	A/B/C	Seminars (internal)	A/B/C	Clinical Posting	A/B/C	In-frastructu & Comput facilities	A/B/C
1.									
2.									
3.									
4.									
5.									
6.									
7.									
8.									

**HOSTEL FACILITIES PLEASE RATE AS A/B/C
(TO BE FILLED BY HOSTELLERS ONLY)**

Sl. No.	Hostel Girls/Boys	Food	Cleanliness	Room	Hostel Environment
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					

EXTRA CURRICULAR ACTIVITIES

Sl. No.	Sports	Cultural Activities	Singing	Dancing	Debate/ Elocution
1.					
2.					
3.					
4.					

Suggestions for improvement

Signature of Student

Signature of HOD

**REGIONAL INSTITUTE OF PARAMEDICAL AND NURSING
SCIENCES(RIPANS)**

(Internal Quality Assurance Cell)

Questionnaire No.1

Academic Session _____

STUDENT FEEDBACK ON TEACHER

Full name of Teacher: _____

Department: _____ Semester/Year: _____ Subject(s) : _____

Please give point to individual teacher on the following attributes using the 4-point scale

4.0	3.0	2.0	1.0	0.0
A Very Good	B Good	C Satisfactory	D Unsatisfactory	

Sl. No	Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1	Basic knowledge of teacher on the subject				
2	Communication skill				
3	Sincerity and Commitment				
4	Interest generated to the students				
5	Accessibility of teacher in and out of the class				
6	Ability to design assignment/tests/ dissertation/ quizzes				
7	Time to complete syllabus or portion taken by the concerned teacher.				
8	Punctuality of teacher				
Total points given					

Dated: _____

Name & Signature of student

Notes:

- 1) **You may not disclose your name if you do not wish to.**
- 2) **You may give points with decimal fraction e.g 1.5, 4.8 etc.**
- 3) **Add all the points in each row for total points.**

STUDENT FEEDBACK ON COURSE*Overall evaluation of Particular subject in each course of B.Sc(N), B.MLT, B.Pharm, BRIT, BOOT*

Subject: _____ Semester/ Year _____
The information will be used only for improvement of the course and teaching in future.

You may tick any one answer as per your evaluation:

1. Was the course easy or difficult to understand?
a) easy b) manageable c) difficult d) very difficult
2. How much of the syllabus was covered in the class?
a) 85 to 100% b) 70 to 85% c) 55 to 70% d) less than 55%
3. What is your opinion about the library material and facilities for the course?
a) more than adequate b) adequate c) inadequate d) very poor
4. To what extend were you able to get material and facilities for the course?
a) Easily b) with some difficulty c) not available at all
b) d) with great difficulty
5. How well was the teacher prepare for the classes?
a) thoroughly b) satisfactorily c) poorly d) indifferently
6. How well was the teacher able to communicate?
a) excellent b) sometimes effective c) just satisfactorily d) poor
7. Were the teacher(s) regular in class?
a) very regular b) sometimes regular c) not regular
b) d) never come in class
8. How much syllabus was covered during one month before examination?
a) 60 to 100% b) 40 to 60% c) 10 to 40% d) less than 10%
b) e) only revision
9. Internal assessment was
a) always fair b) sometimes unfair c) usually unfair
b) d) sometimes fair
10. How often did the teacher provide feedback on your performance?
a) Regularly/in time b) with helpful comment c) often/late
d) without any comments
11. Were your assignments discussed with you?
a) Yes, fully b) yes, partly c) not discussed at all
d) sometimes discussed e) never got assignment
12. Were the laboratory equipments adequate for practical classes?
a) excellent b) adequate, but not working c) partly, manageable
d) not adequate
13. If you have other comments to offer on the course and suggestions for the teacher you may do so in the space given below or on a separate sheet.

Dated: _____

Name & Signature of student

Note:

1. **You need not disclose your name if you do not wish to.**
2. **Each student have to answer for all subject in separate sheet of questionnaire.**