



UNION CHRISTIAN COLLEGE
MEGHALAYA

Annual Quality Assurance Report (AQAR)
2013-2014

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

Part – A

AQAR for the year (for example 2013-14)

2013-2014

I. Details of the Institution

1.1 Name of the Institution

UNION CHRISTIAN COLLEGE

1.2 Address Line 1

PO UCC

Address Line 2

RI-BHOI

City/Town

SHILLONG

State

MEGHALAYA

Pin Code

793122

Institution e-mail address

Contact Nos.

09436110344/09774882162

Name of the Head of the Institution:

Dr. S. R. LYNDEM

Tel. No. with STD Code:

0364-2570295

Mobile:

9436110344

Name of the IQAC Co-ordinator:

Dr. S. K. Singh

Mobile:

09774882162

IQAC e-mail address:

1.3 NAAC Track ID (For ex. MHC0GN 18879)

OR

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

EC/58/RAR/008

1.5 Website address:

www.uccollegemeghalaya.ac.in

Web-link of the AQAR:

http://www.uccollegemeghalaya.ac.in/AQAR2012-13.docx

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

| Sl. No. | Cycle | Grade | CGPA | Year of Accreditation | Validity Period |
|---------|-----------------------|-------|------|-----------------------|-----------------|
| 1 | 1 st Cycle | B | | 2004 | 2004-2009 |
| 2 | 2 nd Cycle | B | | 2012 | 2012-2017 |
| 3 | 3 rd Cycle | | | | |
| 4 | 4 th Cycle | | | | |

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

2005

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)

- i. AQAR _____ (DD/MM/YYYY)4
- ii. AQAR _____ (DD/MM/YYYY)
- iii. AQAR _____ (DD/MM/YYYY)
- iv. AQAR _____ (DD/MM/YYYY)

1.9 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.11 Name of the Affiliating University (*for the Colleges*)

NORTH EASTERN HILL
UNIVERSITY

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University **NA**

| | | | |
|--|----------------------|------------------------------|----------------------|
| University with Potential for Excellence | <input type="text"/> | UGC-CPE | <input type="text"/> |
| DST Star Scheme | <input type="text"/> | UGC-CE | <input type="text"/> |
| UGC-Special Assistance Programme | <input type="text"/> | DST-FIST | <input type="text"/> |
| UGC-Innovative PG programmes | <input type="text"/> | Any other (<i>Specify</i>) | <input type="text"/> |
| UGC-COP Programmes | <input type="text"/> | | |

2. IQAC Composition and Activities

| | |
|---|---------------------------------|
| 2.1 No. of Teachers | <input type="text" value="6"/> |
| 2.2 No. of Administrative/Technical staff | <input type="text" value="2"/> |
| 2.3 No. of students | <input type="text" value="1"/> |
| 2.4 No. of Management representatives | <input type="text" value="1"/> |
| 2.5 No. of Alumni | <input type="text" value="0"/> |
| 2.6 No. of any other stakeholder and community representatives | <input type="text" value="1"/> |
| 2.7 No. of Employers/ Industrialists | <input type="text" value="0"/> |
| 2.8 No. of other External Experts | <input type="text" value="1"/> |
| 2.9 Total No. of members | <input type="text" value="10"/> |
| 2.10 No. of IQAC meetings held | <input type="text" value="12"/> |

2.11 No. of meetings with various stakeholders: No. Faculty
 Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No
 If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

| Plan of Action | Achievements |
|----------------------------|--------------|
| ATTACHED ACADEMIC CALENDAR | |

* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

| Level of the Programme | Number of existing Programmes | Number of programmes added during the year | Number of self-financing programmes | Number of value added / Career Oriented programmes |
|------------------------|-------------------------------|--|-------------------------------------|--|
| PhD | | | | |
| PG | | | | |
| UG | 3 | 1 | 0 | 0 |
| PG Diploma | | | | |
| Advanced Diploma | | | | |
| Diploma | | | | |
| Certificate | | | | 5 |
| Others | | | | |
| Total | | | | |
| Interdisciplinary | | | | |
| Innovative | | | | |

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options **(Elective Option)**

(ii) Pattern of programmes:

| Pattern | Number of programmes |
|-----------|----------------------|
| Semester | 1 |
| Trimester | |
| Annual | 2 |

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Yes, University has updated the Syllabus from Annual to Semester

1.5 Any new Department/Centre introduced during the year. If yes, give details.

Yes,

Criterion – II

2. Teaching, Learning and Evaluation

| | | | | | |
|------------------------------------|-------|------------------|----------------------|------------|--------|
| 2.1 Total No. of permanent faculty | Total | Asst. Professors | Associate Professors | Professors | Others |
| | | | | | |

2.2 No. of permanent faculty with Ph.D.

| | | | | | | | | | | |
|---|------------------|---|----------------------|---|------------|---|--------|---|-------|---|
| 2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year | Asst. Professors | | Associate Professors | | Professors | | Others | | Total | |
| | R | V | R | V | R | V | R | V | R | V |
| | | | | | | | | | | |

2.4 No. of Guest and Visiting faculty and Temporary faculty

2.5 Faculty participation in conferences and symposia:

| No. of Faculty | International level | National level | State level |
|------------------|---------------------|----------------|-------------|
| Attended | | | |
| Presented papers | | | |
| Resource Persons | | | |

2.6 Innovative processes adopted by the institution in Teaching and Learning:

USE OF ICT LAB AND E-CONTENT TO FACILITATE THE TEACHING LEARNING PROCESS

2.7 Total No. of actual teaching days during this academic year

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students

2.11 Course/Programme wise
distribution of pass percentage :

| Title of the Programme | Total no. of students appeared | Division | | | | |
|------------------------|--------------------------------|---------------|-----|------|-------|--------|
| | | Distinction % | I % | II % | III % | Pass % |
| BA | | | | | | |
| BSC | | | | | | |
| BCOM | | | | | | |

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

AFTER DISTRIBUTING

2.13 Initiatives undertaken towards faculty development

| <i>Faculty / Staff Development Programmes</i> | <i>Number of faculty benefitted</i> |
|--|-------------------------------------|
| Refresher courses | 3 |
| UGC – Faculty Improvement Programme | 2 |
| HRD programmes | 1 |
| Orientation programmes | 0 |
| Faculty exchange programme | 0 |
| Staff training conducted by the university | 2 |
| Staff training conducted by other institutions | 1 |
| Summer / Winter schools, Workshops, etc. | 0 |
| Others | |

2.14 Details of Administrative and Technical staff

| Category | Number of Permanent Employees | Number of Vacant Positions | Number of permanent positions filled during the Year | Number of positions filled temporarily |
|----------------------|-------------------------------|----------------------------|--|--|
| Administrative Staff | 5 | 0 | 5 | 2 |
| Technical Staff | 17 | 0 | 17 | 0 |

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

| |
|------------------------------------|
| 1. Research Committee 2. Seed mo |
| 2. Departmental Research Committee |

3.2 Details regarding major projects

| | Completed | Ongoing | Sanctioned | Submitted |
|---------------------|-----------|---------|------------|-----------|
| Number | | | | |
| Outlay in Rs. Lakhs | | | 4 Lakhs | |
| | | | | |

3.3 Details regarding minor projects

| | Completed | Ongoing | Sanctioned | Submitted |
|---------------------|-----------|---------|------------|-----------|
| Number | 1 | 4 | | |
| Outlay in Rs. Lakhs | | | | |

3.4 Details on research publications

| | International | National | Others |
|--------------------------|---------------|----------|--------|
| Peer Review Journals | | | |
| Non-Peer Review Journals | | | |
| e-Journals | | | |
| Conference proceedings | | | |

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

| Nature of the Project | Duration Year | Name of the funding Agency | Total grant sanctioned | Received |
|--|---------------|----------------------------|------------------------|----------|
| Major projects | 2014 | UGC | | |
| Minor Projects | 2014 | UGC | | |
| Interdisciplinary Projects | | | | |
| Industry sponsored | | | | |
| Projects sponsored by the University/ College | | | | |
| Students research projects <i>(other than compulsory by the University)</i> | | | | |
| Any other(Specify) | | | | |
| Total | | | | |

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
 DPE DBT Scheme/funds

3.9 For colleges
 Autonomy CPE DBT Star Scheme
 INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences
 organized by the Institution

| Level | International | National | State | University | College |
|---------------------|---------------|---------------|-------|------------|---------|
| Number | | 1 | | | |
| Sponsoring agencies | | UGC & COLLEGE | | | |

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College
 Total

3.16 No. of patents received this year

| Type of Patent | | Number |
|----------------|---------|--------|
| National | Applied | 0 |
| | Granted | |
| International | Applied | 0 |
| | Granted | |
| Commercialised | Applied | 0 |
| | Granted | |

3.17 No. of research awards/ recognitions received by faculty and research fellows NA

Of the institute in the year

| Total | International | National | State | University | Dist | College |
|-------|---------------|----------|-------|------------|------|---------|
| | | | | | | |

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

0

0

3.19 No. of Ph.D. awarded by faculty from the Institution

0

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level

National level International level

3.22 No. of students participated in NCC events:

University level State level

National level International level

3.23 No. of Awards won in NSS:

University level State level

National level International level

3.24 No. of Awards won in NCC:

University level State level

National level International level

3.25 No. of Extension activities organized

University forum College forum

NCC NSS Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

-
-

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

| Facilities | Existing | Newly created | Source of Fund | Total |
|---|-------------|---------------|----------------|-------|
| Campus area | 170.2 Acres | 0 | | |
| Class rooms | 50 Acres | 200 sq. ft | | |
| Laboratories | 10 Acres | 400 sq ft | | |
| Seminar Halls | 200 Sq. ft | 200 sq ft | | |
| No. of important equipments purchased (\geq 1-0 lakh) during the current year. | 4 Lakhs | 12 Lakhs | UGC | |
| Value of the equipment purchased during the year (Rs. in Lakhs) | 4 Lakhs | 12 Lakhs | UGC | |
| Others | 14 Lakhs | 12 Lakhs | UGC | |

4.2 Computerization of administration and library

4.3 Library services:

| | Existing | | Newly added | | Total | |
|------------------|---------------|--------------|-------------|-------|-------|-------|
| | No. | Value | No. | Value | No. | Value |
| Text Books | 11226 | 3367815 | 232 | 69795 | | |
| Reference Books | 9184 | 2755485 | 190 | 57105 | | |
| e-Books | INFLIB NET | FACILIT Y | | | | |
| Journals | 27 | \$5000 | 3 | \$24 | | |
| e-Journals | | | | | | |
| Digital Database | | | | | | |
| CD & Video | 25 | 19000 | | | | |
| Others (specify) | 100 | 14000 | | | | |

4.4 Technology up gradation (overall)

| | Total Computers | Computer Labs | Internet | Browsing Centres | Computer Centres | Office | Departments | Others |
|----------|-----------------|---------------|----------------|------------------|------------------|--------|-------------|--------|
| Existing | | 1+1+1 | | | | | | |
| Added | | | WIMA X 3 | LABS 3 | 2 | 1 | 6 | |
| Total | | | | | | | | |

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

4.6 Amount spent on maintenance in lakhs :

| | |
|--|--|
| i) ICT | 10 Lakhs |
| ii) Campus Infrastructure and facilities | International Hostel for Boys 60 Lakhs (Completed) International Hostel for Girls 40 Lakhs (On-going) |
| iii) Equipments | |
| iv) Others | |
| Total : | |

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

| |
|--|
| |
|--|

5.2 Efforts made by the institution for tracking the progression

| |
|--|
| |
|--|

5.3 (a) Total Number of students

| UG | PG | Ph. D. | Others |
|----|----|--------|--------|
| | | | |

(b) No. of students outside the state

| |
|--|
| |
|--|

(c) No. of international students

| |
|--|
| |
|--|

| | | |
|--|----|---|
| | No | % |
| | | |

Women

| | | |
|--|----|---|
| | No | % |
| | | |

| Last Year | | | | | | This Year | | | | | |
|-----------|----|----|-----|-----------------------|-------|-----------|----|----|-----|-----------------------|-------|
| General | SC | ST | OBC | Physically Challenged | Total | General | SC | ST | OBC | Physically Challenged | Total |
| | | | | | | | | | | | |

Demand ratio

Dropout %

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

No. of students beneficiaries

5.5 No. of students qualified in these examinations

| | | | | | | | |
|-------------|---|-----------|---|------|---|--------|---|
| NET | <input style="width: 40px; height: 25px;" type="text"/> | SET/SLET | <input style="width: 40px; height: 25px;" type="text"/> | GATE | <input style="width: 40px; height: 25px;" type="text"/> | CAT | <input style="width: 40px; height: 25px;" type="text"/> |
| IAS/IPS etc | <input style="width: 40px; height: 25px;" type="text"/> | State PSC | <input style="width: 40px; height: 25px;" type="text"/> | UPSC | <input style="width: 40px; height: 25px;" type="text"/> | Others | <input style="width: 40px; height: 25px;" type="text"/> |

5.6 Details of student counselling and career guidance

No. of students benefitted

5.7 Details of campus placement

| <i>On campus</i> | | | <i>Off Campus</i> |
|---------------------------------|---------------------------------|---------------------------|---------------------------|
| Number of Organizations Visited | Number of Students Participated | Number of Students Placed | Number of Students Placed |
| | | | |

5.8 Details of gender sensitization programmes

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

| | | | | | |
|-------------------------|---|----------------|---|---------------------|---|
| State/ University level | <input style="width: 40px; height: 25px;" type="text"/> | National level | <input style="width: 40px; height: 25px;" type="text"/> | International level | <input style="width: 40px; height: 25px;" type="text"/> |
|-------------------------|---|----------------|---|---------------------|---|

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

| | Number of students | Amount |
|--|--------------------|--------|
| Financial support from institution | | |
| Financial support from government | | |
| Financial support from other sources | | |
| Number of students who received International/ National recognitions | | |

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: _____

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

6.2 Does the Institution has a management Information System

UNI Yes

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

Done by university.

6.3.2 Teaching and Learning

ICT enabled education

6.3.3 Examination and Evaluation

Internal Evaluation, Assignment Evaluation ,
Departmental Seminar, Class Interaction etc

6.3.4 Research and Development

Minor and Major Research projects

6.3.5 Library, ICT and physical infrastructure / instrumentation

Bar-coding, smart card, smart-board, Indoor stadium
, out-door stadium, herbal Garden,

6.3.6 Human Resource Management

Seminar for Non-Teaching, National Seminar and
International seminar

6.3.7 Faculty and Staff recruitment

Selection Committee based on UGC Norms and State
Government.

6.3.8 Industry Interaction / Collaboration

Kaziranga University of Business and Management,
Bishop-Heber College

6.3.9 Admission of Students

Through the Admission Committee

| | | |
|---------------------|--------------|---|
| 6.4 Welfare schemes | Teaching | Co-operative Society |
| | Non teaching | Co-operative Society |
| | Students | Book Bank Free Student-ship for poor student |

6.5 Total corpus fund generated 25 Lakhs

6.6 Whether annual financial audit has been done Yes No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

| Audit Type | External | | Internal | |
|----------------|----------|------------|----------|-----------|
| | Yes/No | Agency | Yes/No | Authority |
| Academic | Yes | Out source | Yes | IQAC |
| Administrative | Yes | Out Source | Yes | GB |

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Yes, Introduction of Semester System
With Internal Assessment and term End Semester Examination

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

No

6.11 Activities and support from the Alumni Association

Yes.

6.12 Activities and support from the Parent – Teacher Association

No

6.13 Development programmes for support staff

Faculty development programme for Non-Teaching Staff,
ICT Programme for Non-Teaching

6.14 Initiatives taken by the institution to make the campus eco-friendly

Herbal Garden
Tree Plantation, Garbage Box planted throughout the campus, Cleaning Drive through NSS, Green Audit.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

Attracting International Students through Department of Indian Council and cultural Relation Govt. of India
College Documentary Film about its history

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

1. Preparation of Prospectus
2. Preparation of Annual Academic Calendar,
3. Student Dairy
4. Staff Dairy

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

1. Annual Attendance report
2. ICT Enabled EDUCATION

**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection

International seminar on Climate Change.

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

8. Plans of institution for next year

1. Continuation of Ongoing work
2. Implementation of RUSA funded by HRD
3. Introduction of Physical Education.

Name _____

Name _____

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

Abbreviations:

| | | |
|------|---|--|
| CAS | - | Career Advanced Scheme |
| CAT | - | Common Admission Test |
| CBCS | - | Choice Based Credit System |
| CE | - | Centre for Excellence |
| COP | - | Career Oriented Programme |
| CPE | - | College with Potential for Excellence |
| DPE | - | Department with Potential for Excellence |
| GATE | - | Graduate Aptitude Test |
| NET | - | National Eligibility Test |
| PEI | - | Physical Education Institution |
| SAP | - | Special Assistance Programme |
| SF | - | Self Financing |
| SLET | - | State Level Eligibility Test |
| TEI | - | Teacher Education Institution |
| UPE | - | University with Potential Excellence |
| UPSC | - | Union Public Service Commission |

Part-B (Teachers Achievement)

Dr (Mrs) Cornelia Mary Lyngdoh Dept. of Chemistry UCC Barapani.

- National Seminar on “Burning environmental Issues.risk to biodiversity and human health with special reference to N.E india held at St Mary’s College shilling 15th- 16th May 2013
- National Symposium on Radiation and Photochemistry NSRP 2013
- Participated and presented paper in the “international seminar on “Attracting Best Talents in Basic sciences” organized by shilling college in collaboration with IQACshilling college held on 24th and 25th July 2013 on the topic “Value Education ,- the need of the society
- Presented paper in the seminar Students’ Exchange programme with Pacchuang University College at UCC on “Importance of Chemistry in Basic Science” 21st August 2013

Workshops attended

- Participated in a Nine Day workshop on “Research Methodology and scientific Instrumentation” organized by The Science Departments,Lady Keane College, Shillong under DBT- star college scheme 22-30 May 2013
- Participated in 8 day National workshop on “Maintenance of Opto Analytical instruments -2013 (NWMOAI-13) Dept. of Chemistry St anthony’s College Shillong 14th to 21st Sept. 2013
- Presented paper in the “international seminar on “Attracting Best Talents in Basic sciences” organized by shilling college in Collaboration with IQAC Shillong college held on 24th and 25th July 2013 on the topic “Value Education ,- the need of the society.

Dr. Ashish Malhotra:

Student Exchange Programme 2013

Organized Seminar on 21st august 2013, with the theme Chemistry: “its scope and importance in Basic science” under student exchange programme by the Department of Chemistry Union Christian College and Pachhunga University College at Union Christain College .

Educational Tour

Undertook the Educational tour along with degree science students to Kaziranga National Park and Toklai Tea centre Johrat form for 12th -14th may 2014

Ms Merline Sebastian

2) **Evidence of Solitons in a spin labeled DNA Lattice** by Tapas Kumar Sinha and Merline Sebastian is accepted and presented at the international conference ICAMTCS 2013 (Nagarcoil TN) and published in conference proceeding with ISBN 978-93-82338-30-7

3) **Charge Oscillations in Copper Oxide Superconductors** by Tapas Kumar Sinha and Merline Sebastian is Reviewed and accepted for publication in International Journal of Physics & Applications Volume 5, Number 2 (2013) (IJPA) ISSN 0974-3103 pp. 103-108
<http://www.irphouse.com/volume/ijpav5n2.htm>

Mr. Joseph Mathew

3) Long Wave Length Soliton Solutions of Sine Gordon Equation by Tapas Kumar Sinha and Joseph Mathew presented at International Conference on Mathematical Sciences ,December 28-31, 2012 Nagpur, India and published in the International Journal of Pure and Applied Mathematical Sciences. ISSN 0972-9828 Volume 6, Number 2 (2013), pp. 127-133 © Research India Publications <http://www.ripublication.com/ijpams.htm>

4) Domain Wall model of B DNA to Z DNA Transition by Tapas Kumar Sinha Joseph Mathew and Sachinandan Chanda presented at International Conference on Mathematical Sciences ,December 28-31, 2012 Nagpur, India and published International Journal of Pure and Applied Mathematical Sciences. ISSN 0972-9828 Volume 6, Number 3 (2013), pp. 211-218

<http://www.ripublication.com/ijpams.htm>

5) Nonlinear Optical Filters by Tapas Kumar Sinha and Joseph Mathew is accepted and presented at the international conference ICAMTCS 2013(Nagarcoil TN) and published in conference proceeding with ISBN 978-93-82338-30-7

6) Role Of Solitons In Jumping Genes by Tapas Kumar Sinha and Joseph Mathew is accepted and presented at the international conference ICAMTCS 2013 (Nagarcoil TN) and published in conference proceeding with ISBN 978-93-82338-30-7

7) Massively Parallel Computing with Nonlinear Optical Crystals by Tapas Kumar Sinha and Joseph Mathew presented at International Conference, JIS College of Engineering at Kalyani, West Bengal 11 -12 January 2013 and published in conference proceeding with ISSN 13:978-1-25-906393-0 ISBN-10:1-25-906393-3

8) Long Wave Length Soliton Solutions of phi 4 equation by Tapas Kumar Sinha and Joseph Mathew presented at International Conference on Mathematical Sciences ,December 28-31, 2012 Nagpur, India and is accepted and published in International Journal of Pure and

Seminar Conference attended:

.International Conference, JIS College of Engineering at Kalyani, West Bengal 11 -12 January 2013 and presented a paper.

5. Attended International Conference on Applied Mathematics and Theoretical Computer Science, ICAMTCS 2013, 24 to 25 January 2013 and presented a paper.

Dr. S. K. Singh

Paper Presented:

] **Singh S. K. (2013)** Paper presented on the topic “Strategies on Integrated Environment Management” in a national Seminar organised by William Carrey University Shillong, during 21-22, March 2013