



**UNION CHRISTIAN COLLEGE
MEGHALAYA**

**Annual Quality Assurance Report (AQAR)
2014-2015**

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year (*for example 2013-14*)

2014-2015

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

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

6

2.2 No. of Administrative/Technical staff

2

2.3 No. of students

1

2.4 No. of Management representatives

1

2.5 No. of Alumni

0

2.6 No. of any other stakeholder and
community representatives

1

2.7 No. of Employers/ Industrialists

0

2.8 No. of other External Experts

1

2.9 Total No. of members

10

2.10 No. of IQAC meetings held

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

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

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

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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	11458	3437610	423	127050		
Reference Books	9375	2812590	346	103950		
e-Books	INFLIB NET	FACILIT Y				
Journals	30	6000	0	0		
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

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5.2 Efforts made by the institution for tracking the progression

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5.3 (a) Total Number of students

UG	PG	Ph. D.	Others

(b) No. of students outside the state

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(c) No. of international students

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	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"/>
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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.

- Participated in the National Conference on “The North East umbrella:Environment-cultural interactions and the Tribes in the Region” held at UCC, Umiam from 29th -30th May 2014
- Participated and presented paper in the National seminar on “Recent Trends in science and Technology” at UCC from 24th -26th Sept.2014 on the topic”Brief Review on Nanoporphyrin”
- Participated in the Faculty and staff Orientation programme -11th Sept.2014 at UCC Barapani.
- Participated in the Programme for Youth Development Ministry of skill Development ,Entrepreneurship, Youth Affairs & Sports Government of India ,8th-9th Dec.2014 at UCC Barapani.

Paper Presented:

- Presented paper in the National seminar on “Recent Trends science and Technology”at UCC from 24th -26th Sept.2014 on the topic”Brief Review on Nanoporphyrin”
- Chapter contributed to the book Problems of Ethnicity and Language North East Perspective” Editors S.K. Singh, Stanley Sohlang and K. Sarma, ISBN: 978 93 83252 23 7/ 2014.

Dr. Ashish Malhotra:

Ashish Malhotra “Synthesis ,Characterization and Oxidative Studies of some Ruthenium (VI) complexes” journal: The Clarion , Volume 3 number 1 ,pp 1-7, 2014.

Student Exchange Programme 2014

Organised student Exchange Programme between Department of Chemistry, Pachhunga University College, Mizoram University, Aizawl & Union Christian College, Barapani, Meghalaya from 4th – 9th October 2014, at PUC Aizawl,Mizoram.

Appointed as external examiner to the Dept of Chemistry for B.E Chemistry practical examination of Assam Engineering College , Govt of Assam ,Guwahati from 6th -11th may 2015.

Paper presented / invited speaker at the:

1. **National Seminar on the Role of NSS in Nation in Nation Building : Scopes and Challenges” on 5th -6th March 2015 organised by NSS cell, North Eastern Hill University, Shillong, Meghalaya**
2. **National Symposium on “Historical Aspects and Current Trends in Chemistry: Highlights and New Perspectives” on 6th October 2014 at the Department of Chemistry, Pachhunga University College, Mizoram University, Aizawl Mizoram.**
3. **National seminar on “Indian Higher Education In the 21st century : constraints and possibilities on 22nd-23rd march 2013 organized by UTM , Meghalaya**

Mr. Joseph Mathew

Long Wave Length Soliton Solutions of Navier Stokes Equation by Tapas Kumar Sinha NEHU, Sanjib Malla Bujar Baruah, USTM and Joseph Mathew presented at International Conference on Mathematical Sciences ,December 28-31, 2012 Nagpur, India and accepted for publication in the International Journal of Pure and Applied Mathematical Sciences. ISSN 0972-9828 Research India Publications <http://www.ripublication.com/ijpams.htm>

Lattice Discretization approach to Nonlinear differential Equation by Tapas Kumar Sinha, NEHU , Sanjib Malla Bujar Baruah, USTM , Meghalaya and Joseph Mathew presented at International Conference on Mathematical Sciences ,December 28-31, 2012 Nagpur, India and accepted for publication in the International Journal of Pure and Applied Mathematical Sciences. ISSN 0972-9828 Research India Publications <http://www.ripublication.com/ijpams.htm>

Attended International Conference at Jamia Millia Islama Uni., New Delhi from Nov 20-23 and presented a paper “Long Wave Length tanh Soliton Solutions of Sine Gordon Equation”

7. Attended International Conference ICMACS IIT Chennai from Dec 08 -10 and presented a paper “Long wavelength tanh Soliton Solutions of KdV Equation”

Contibution of Dr. S. K. Singh (Department of Mathematics)

Rajib Das, Purkayastha B.S, **Sanjeev Kumar Singh** : Detection of Malicious Nodes in Ad-hoc Network using Statistical Method.” *IJCSN International Journal of Computer Science and Network*, Volume 3, Issue 5, 412-415 , October 2014 ISSN (Online) : 2277-5420 www.IJCSN.org **Impact Factor: 0.274**

BOOK EDITED & AUTHORED

1. **“Problems of Ethnicity & Language : Northeast Perspectives”** Editors : S. K. Singh, Satnley Sohlang and K. Sarma Published by EBH Publisher (India) ISBN NO. 978-93-83252-23-7, 2014.

Singh S. K. (2014) “ On Image Processing using MATLAB: A Survey” in a National Seminar organized by Science Department, Under Internal Quality Assurance Cell union Christian College.

Singh S. K. (2014) “Recent Trends in Computational Optimization” in a National Seminar organized by Science Department, Under Internal Quality Assurance Cell union Christian College.

Rajib Das, Purkayastha B.S. **Singh S. K. (2014) “Malicious Nodes Detection in Ad Hoc Network: A Mathematical Approach”** in a National Seminar organized by Science Department, Under Internal Quality Assurance Cell union Christian College.

Singh S. K., Purkayastha B.S. (2014) “Recent Trends in Natural Language Processing” in a National Seminar organized by Science Department, Under Internal Quality Assurance Cell union Christian College.

Singh S. K. Purkayastha B.S.(2014) “Cloud Computing Scenario in Indian SMEs : An Empirical Study .” National Seminar conducted by Computer Science Department, Shillong College under Internal Quality Assurance Cell.

INVITED LECTURE:

Singh S. K. (2014) Resource person for Workshop “**Online submission of State Scholarship level Services**” organized by Union Christian College. Duration : 10 & 11, October 2014.

[5] Singh S. K. (2014) Resource Person for the workshop “**Online Services and E-Commerce**” organized by NSS UCC Unit, Union Christian College. Duration : 6, November 2014.

[6] Singh S. K. (2015) Resource Person for the seminar “**Drug Abuse and Addiction: neuron and mind perspective**” organized by NSS UCC, Union Christian College, Duration :25 June 2015.

Singh S. K. (2013) “Seminar on “*Integrated learning on Environment Management*” Invited talk on 2-day seminar organised by William Carrey University, Shillong from 21-22 March 2013.