



Research Innovation and Publication Cell, Shillong College

Estd. 2009

Introduction

- The Research, Innovation and Publication Cell was instituted in the year 2009 under the Principal of Dr (Mrs) M. P. R. Lyngdoh.
- Since its inception the Research, Innovation and Publication Cell has been playing a key role in encouraging more research and innovation through projects sponsored by the college for Teachers and Students.
- Proficiency in Research methodologies and method provides its learners an asset which is helpful in terms of all spheres of life be it teaching, market research, public opinion poll, communication studies, advertisement, book publishing, developmental projects administration, personnel management, clinical, occupational and educational psychology and a host of others.

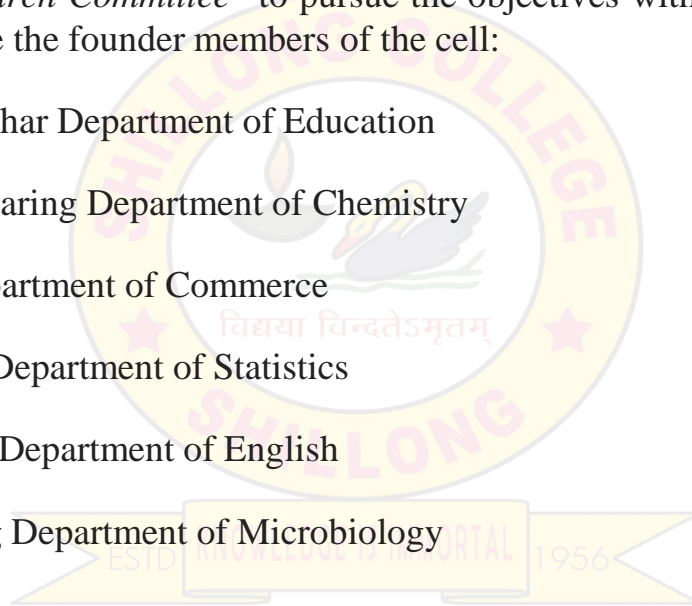


Objectives of the Research Innovation and Publication Cell

1. To promote research activity of students and teachers.
2. To empower teachers and learners to acquire more knowledge.
3. To open opportunities to collaborate with institutions, organisations, corporates in and outside the country.
4. To encourage analytical, practical and observation skills in the young minds in the scientific research.
5. To introduce innovative mind in students in order to develop a learner-centric approach.
6. To develop and improve skills more than just acquiring knowledge.
7. To promote the spirit of scientific enquiry among teachers and students.
8. To create awareness about the various schemes and sponsorships provided by the State and Central Government agencies for major and minor research projects for teachers.
9. To encourage students to participate and present their findings in scientific gatherings such as seminars, workshop, exhibitions at the college level.
10. To facilitate learning outside the classroom through field work, study tour, projects among students.

Founding Members

- At its inception, in the year 2009, under the dynamic leadership of the former principal, Dr (Mrs) M. P. R. Lyngdoh formed the “*Research Committee*” to pursue the objectives with different departments of the college. The following teachers were the founder members of the cell:
- **Convener:** Dr (Miss) R. Dkhar Department of Education
- **Joint Convener:** Dr C. Masharing Department of Chemistry
- **Member:** Shri S. Sarma Department of Commerce
- **Member:** Shri S. Goswami Department of Statistics
- **Member:** Shri G. Rumnong Department of English
- **Member:** Smt. P. Kharkrang Department of Microbiology



Present Members

- **Convener:** Dr. B M Laloo, Department of Chemistry
- **Joint Convener:** Dr. S. Khongwir, Department of Zoology
Dr. S. Khyriemujat, Department of Sociology
- **Members:**
- Dr. E. Kharkongor, Department of Economics
 - Dr. H. Iangrai, Department of Education
 - Dr. S. Sarma, Department of Commerce
 - Dr L. M. Jyrwa, Department of Zoology
 - Smt. P. Kharkrang, Department of Microbiology
 - Dr. D. Bhowmick, Department of English
 - Dr A. Lyngdoh, Department of Botany
 - Dr. R. Dkhar, Department of Education
 - Dr. C. Marsharing, Department of Chemistry
 - Dr M. B. Lynser, Department of Environmental Science
 - Dr H. Diengdoh, Department of Education
 - Shri. B. Mawrie, Department of Environmental Science
 - Dr. E. M. Pala, Department of Zoology
 - Dr. Persara Lyngdoh, Department of English

Sanction Grants for Research Projects

- The Management of the college constituted the *Fund Allocation Committee* for resource mobilization for research.
- **At its inception, the funding was Rs 3,000/- (Rupees Three Thousand only) for students and Rs 5,000/- (Rupees Five Thousand only) for teachers. The amount though meagre, saw much success.**
- **In 2014, the Fund Allocation Committee of the College decided to enhance the funding for different streams whereby for Science, Technology and Environment the ceiling was raised to Rs 20,000/- (Rupees Twenty Thousand only) for a time period of 2 years or 24 months and Rs 15,000/- (Rupees Fifteen Thousand only) for 1 year or 12 months.**
- For the Arts stream, Humanities and Commerce the ceiling was raised to Rs 15,000/- (Rupees Fifteen Thousand only) for 2 years or 24 months and Rs 10,000/- (Rupees Ten Thousand only) for a year-long project.
- The categories for the award of projects are
 - Teachers Project
 - Teacher-Student Project
- The aim of the Research Project (college funded) was to help inculcate research culture amongst faculty and students.

Sanction of Grants for Research Projects (contd.)

- **In 2019, the Fund Allocation Committee revised the existing guidelines for the College Minor Research Projects.**
- Whereby, the College Management enhanced the total allocation for pursuing College Funded Minor Research Projects (MRP) by teaching staff from 2 lakhs to 4 lakhs per annum.
- All research projects recommended by the Screening Committee of the Research Innovation and Publication Cell are submitted to the Principal for the release of grants.
- ▶ The Guidelines for the College Minor Projects are made available with the college website <https://shillongcollege.ac.in/wp-content/uploads/2020/Guidelines.pdf>.
- *With effect from April 2019, utilization of a maximum of Rs 50,000 for one project is made possible.*

Number of Projects undertaken and completed by the Teachers and Students

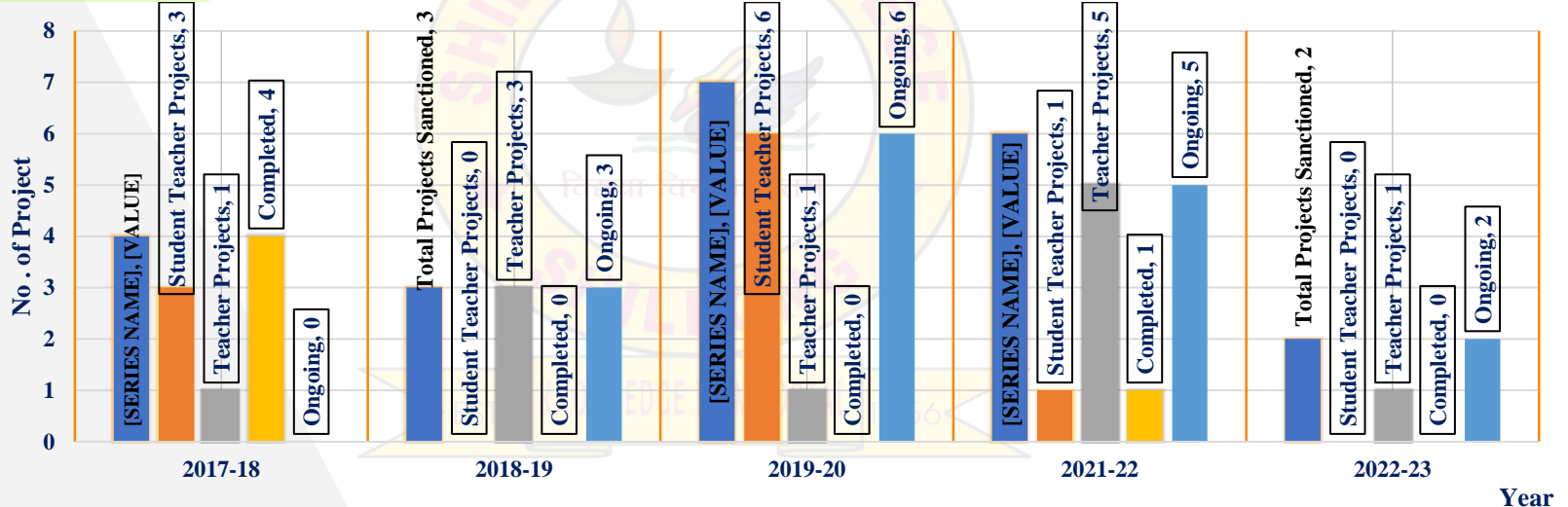
- **List of number of College Minor Projects sponsored by the college from 2009 till date:**
 - Teachers' Project(2009-2023)= 30
 - Teachers Project (2017-2023)=10
 - Teachers' Student projects(2009-2023)=25
 - Teachers' Student project(2017-2022)= 9
 - Teachers' Project 2022-2023=02
 - **List of number of Minor Research Projects sponsored by the UGC, NERO:**
(2009-21)=14 completed
- | | |
|---|----------------------------|
| Total Amount of Rupees sanctioned (2017-2022) | Rs 494,350/- |
| <u>Total Amount of Rupees sanctioned (2022-2023)</u> | <u>Rs 100,000/-</u> |
| Grand Total | Rs 594,350/- |
- (Rupees Five Lakhs Ninety Four Thousand Three Hundred Fifty) only*

Total Projects Sponsored by the College through the Research Innovation and Publication Cell (2017 – 2023)

Total
Total Projects Sanctioned: 21
Student Teacher Projects: 10
Teacher Projects: 11
Completed: 5
Ongoing: 15

Project Duration: 2 Years

Total Amount of Rupees sanctioned (2017-2022) Rs 494,350/-
Total Amount of Rupees sanctioned (2022-2023) Rs 100,000/-
Grand Total Rs 594,350/-

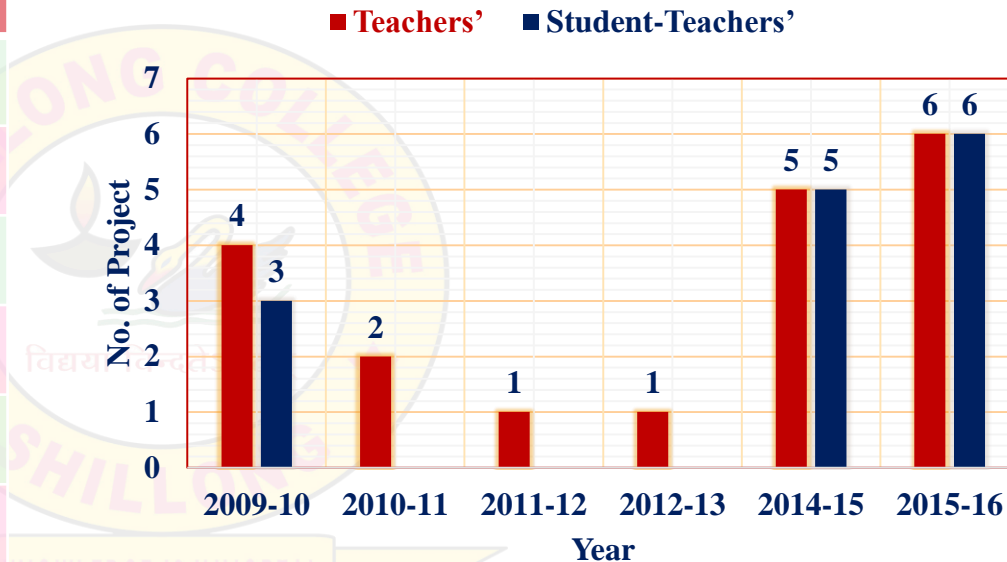


Outcomes from College Funded

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number
Students' Attitudes towards Physics Practical at the Undergraduate (College) Level: A Study of the Colleges in Meghalaya.	Shri L. Khongiang, Shri Aibor Dkhar	Physics	Physics Education	June, 2018	Online ISSN: 1361-6552 Print ISSN: 0031-9120
Deep Connection to Khasi through Word Embeddings	N Donald J Thabah and Aiom M Mitri	Computer Science and Applications	International Journal of Innovation in System and Software Engineering, Springer, Scopus indexed	December, 2022	ISSN:1614-5046 (print) ISSN:1614-5054 (web)
Bacteriological of Pond water Located in Mawthadraishan Village West Khasi Hills District, Meghalaya	Smti Mary Diengdoh	Microbiology	Echoes from the Hills Vol III No 1	December, 2019	ISSN-2581-5253 RNI.Reg.No MEGENG/2017/74 683
Temnosewellia semperi (Platyhelminthes: Temnocephalida) from Maydelliathelphusa lugubris (Arthropoda: Gercarcinucidae) of the state of Meghalaya, North East India	Dr L. M. Jyrwa	Zoology	Invertebrate Zoology	March, 2021	ISSN 1812-9250 ISSN 1814-0815 (online version)

Projects sponsored by the College through the Research innovation and Publication Cell (2009- 2015):

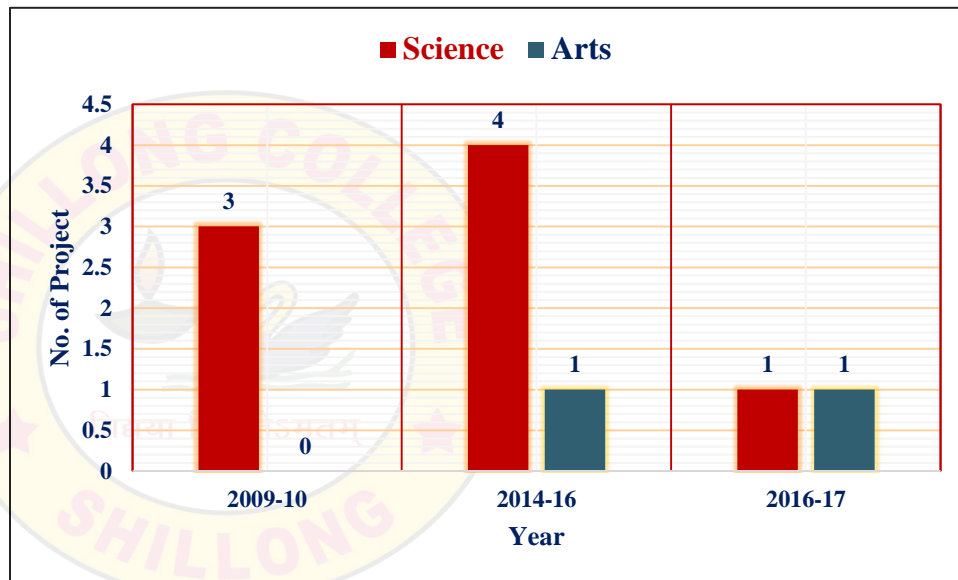
Year	Teachers'	Student-Teachers'
2009-10	4	3
2010-11	2	-
2011-12	1	-
2012-13	1	-
2014-15	5	5
2015-16	6	6
Total	19	14



Projects Sponsored by UGC, NERO (2009-2017):

Year	Science	Arts
2009-10	3	0
2014-16	4	1
2016-17	1	1

Note: Research funding for faculty has been stopped by UGC since 2017.



UGC- NERO sponsored Minor Research projects

Total: 6 (2015-17)

Total Grant sanctioned: Rs 20, 45,000/-

Name of the Project	Duration	P.I	Total grant Sanctioned	Status
“Non Timber Forest Products Used and Extraction in Community Forests of East Khasi Hills District of Meghalaya”	2 years	Dr. M. Lynser , Department of Environmental science	<i>Rs. 3,25,000 /- Letter No. F.5-235/2014-15/ MRP/ NERP/2274 dt 17th Feb. 2015</i>	<i>Completed</i>
“ Impact of Stone and Sand Quarry on Aquatic Ecosystem along Umtyngar River, East Khasi Hills District, Meghalaya”	2 years	Dr. L. Jyrwa , Department of Zoology	<i>Rs. 4,60,000 /- Letter No F.5-491/2014-15/ MRP/ NERO/2936 dt 4th March 2015</i>	<i>Completed</i>
“ BF ₃ . Et ₂ O Mediated Alpha-Halogenation of Propiophenones”	2 years	Dr. B. M. Laloo, Department of Chemistry	<i>Rs. 2,40,000 /- Letter No. F.5-97/2014-15/ MRP/ NERO/481</i>	<i>Completed</i>
“Physico Chemical.....Shillong, Meghalaya”	2 years	Dr. S. Khongwir, Department of Zoology	<i>Rs. 4,00,000 /- Letter No. F.5-492/2014-15/ MRP/ NERO/482</i>	<i>Completed</i>

UGC- NERO sponsored Minor Research projects (Contd.)

Name of the Project	Duration	P.I	Total grant Sanctioned	Status
“ Khasi Bhasha Aur Sahitya Ka Vikasatmak Adhyayan- A Study of the Development of Khasi Language and Literature”	2 years	Dr. Shruti Pandey, Department of Hindi	<i>Rs. 3,00,000 /- Letter No. F.5-285/2014-15/ MRP/ NERO/3476 dt 17th march. 2015</i>	<i>Completed</i>
“ Ultra Structural and Elemental Analysis of Certain Tissues of Cyprinus Carpio (Common Carp) Inhabiting Two Government Fish Farms in East Khasi Hills District, Meghalaya”	2 years	Dr E. Pala, Department of Zoology	<i>Rs. 3,20,000 /- Letter No. F.5-321/2015-16/ MRP/ NERO/1051</i>	<i>Completed</i>



Total projects sponsored by the College through the Research Innovation and Publication Cell (2017-2023)

Academic Session	Total Amount Sanctioned (Fund Allocation Committee Shillong College)	Duration	Total projects sanctioned	Student Teacher Projects	Teacher Projects	Completed	Ongoing
2017-18	Rs 89,350/-	2 years	4	3	1	4	-
2018-19	Rs 55,000/-	2 years	3	-	3	-	3
2019-20	Rs 1,75,000/-	2 years	7	6	1	-	6
2021-22	Rs 1,75,000/-	2 years	6	1	5	1	5
2022-23	Rs. 100,000/-	2 years	2		2	-	2

Project Duration: 2 Years

Total Amount Sanctioned
(Fund Allocation Committee
Shillong College)

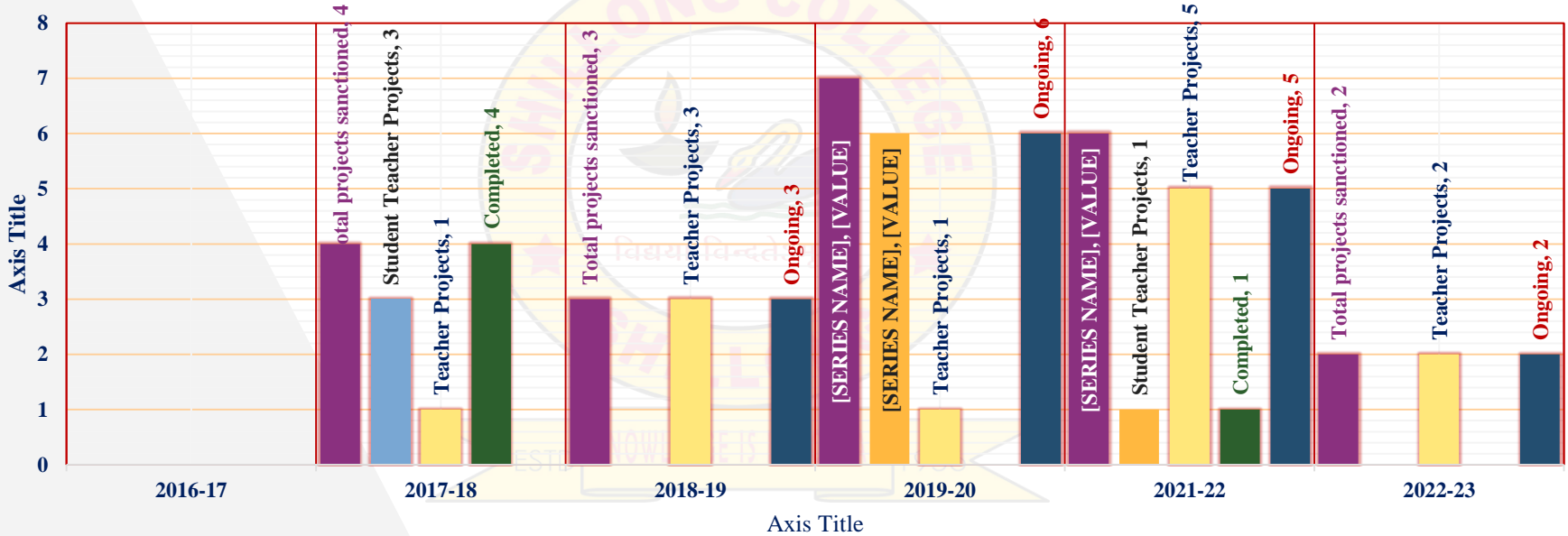
Rs 89,350/-

Rs 55,000/-

Rs 1,75,000/-

Rs 1,75,000/-

Rs 100,000/-



Details of Minor Research Projects funded by the College through the Research Innovation and Publication Cell

2017-18

- Amount sanctioned :Rs 89,350/-
- Total Projects Sanctioned: 4
- Student Teacher Projects: 3
- Teacher Project: 1
- Project Duration: 2 years
- Completed: 4



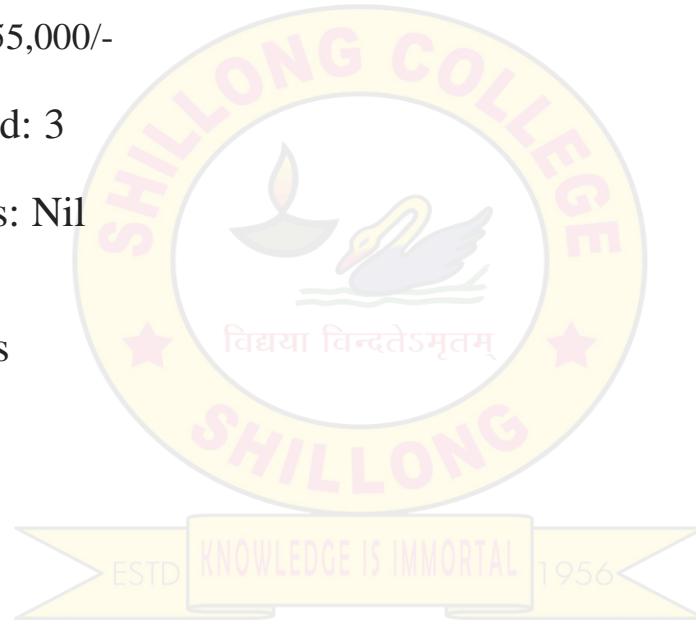
Sl. No.	Name of project	Name of P.I	Amount sanctioned	Cheque No	Status
1.	“To Study the Ecotonal Impact along Umsyiem and Lyngkhat Villages which are the Border Areas of Meghalaya and Bangladesh”	Dr. Lucy Jyrwa and Jefferson Rani Student Teacher project	Rs. 20,000/-	1st installment: Rs. 12,000; Cheque No. 024527 of IOB, Vr. No. 441/17 2nd installment: Rs. 8,000; Cheque No. 057994 of IOB, Vr. No. 89/19	Completed
2.	“Elucidation on the Characteristic Features of an Ecotonal Area and the Existence of Various Fauna along Laitkynsew and Nongwar Villages the Border Area Between Meghalaya and Bangladesh”	Dr. Lucy Jyrwa and Eugene Lyngkhoi Student Teacher project	Rs. 20,000/-	1st installment: Rs. 12,000; Cheque No. 624528 of IOB, Vr. No. 442/17 2nd installment: Rs. 8,000; Cheque No. 057995 of IOB, Vr. No. 90/19	Completed

Sl. No.	Name of project	Name of P.I	Amount sanctioned	Cheque No	Status
3.	“Elucidation on the Characteristic Features of an Ecotonal Area and the Existence of Various Fauna along Shella Village, the Border Area between Meghalaya and Bangladesh”	Dr. Lucy Jyrwa, Nangpyrkhat Giri, Peter Sungoh Student Teacher project	Rs. 20,000/-	1st installment: Rs.12,000 /-; Cheque No. 024528 of IOB, Vr. No. 442/17 2nd installment: Rs.8,000 /-; Cheque No. 057995 of IOB, Vr. No. 90/19	Completed
5.	“Students’ Attitude Towards Physics Practical at the Undergraduate (College) Level: A Study of the Colleges in Meghalaya”	Shri L. Khongiang Teacher project	Rs. 22,000 /-	1st installment: Rs. 13,200 /-; Cheque No. 684544 dt 8/10/2015 of IOB, Vr. No. 2nd installment: Rs. 8,800 /-; Cheque No. 024556 dt 17/10/17 of IOB, Vr. No. 440/17	Completed

Details of Minor Research Projects funded by the College through the Research Innovation and Publication Cell

2018-19

- Amount sanctioned :Rs 55,000/-
- Total Projects Sanctioned: 3
- Student Teacher Projects: Nil
- Teacher Project: 3
- Project Duration: 2 years
- Status: Ongoing



Sl. No	Name of project	Name of P.I	Amount sanctioned	Cheque No	Status
1.	“ Student Performance Classification Based on Their Usage Statistic of MOODLE”	Smt. Aiom Mitri Teacher project	Rs. 20,000 /-	1st installment: Rs. 12000 /-; Cheque No. 024555 of IOB, Vr. No. 439/17	<i>Ongoing</i>
2.	“Mushroom Poisoning: A Study on Knowledge Attitude and Practice (KAP) in East Khasi Hills”, 2017-18.	Dr. (Smt.) A. Lyngdoh Teacher project	Rs. 20,000 /-	1st installment: Rs. 12000 /-; Cheque No. 024632 of IOB, Vr. No. 541/17	<i>Ongoing</i>
3.	“Folklore In Translation”	Dr. Shruti Pandey Teacher project	Rs. 15,000 /-	1st installment: Rs. 9000 /-; Cheque No. 024524 of IOB, Vr. No. 438/17	<i>Ongoing</i>

Details of Minor Research Projects funded by the College through the Research Innovation and Publication Cell

2019-20

- Amount sanctioned :Rs 1,75,000/-
- Total Projects Sanctioned: 7
- Student Teacher Projects: 4
- Teacher Project: 1
- Project Duration: 2 years
- Completed: -
- Ongoing-5



Sl. No	Name of project	Name of P.I	Amount sanctioned	Cheque No	Status
1.	“Comparative Analysis of surface and underground water quality in the 4 th Furlong Area, Shillong”.	Dr Balawan Joshua Mawrie Teacher project	Rs 50,000/-	1 st instalment Rs 30,000/-; Cheque No. 456972 of IOB, Vr No 463/19	Ongoing
2.	“A survey on fish diversity along the river Umiew in Laitlyngkot Village, East Khasi Hills , Meghalaya”	Dr. E.M Pala, Dameshwa Rynjah, Deimaia Papeng. Student Teacher project	Rs 15,000/-	1 st installment: Rs. 9000 /-; Cheque No. 456919 of IOB, Vr. No. 410/19	Ongoing
3.	“To study the diversity of fishes in the middle region of Umiam river and the quality of water between Umiam lake and Umiam river”	Dr. L.M Jyrwa Nangpyrkhat Giri, Peter Sungoh Student Teacher project	Rs 50,000/-	1 st installment: Rs. 30,000 /-; Cheque No. 456920 of IOB, Vr. No. 411/19	Ongoing

Sl. No	Name of project	Name of P.I	Amount sanctioned	Cheque No	Status
4.	<p>“Diversity of Zooplankton in Chandra Reservoir, Smit, East Khasi Hills, district Meghalaya India”</p> <p>Ongoing</p>	<p>Dr. S. Khongwir</p> <p>Student Teacher project</p>	Rs 5000/-	<p>1st instalment Rs 3000/-; Cheque No. 456971 of IOB, Vr No 462/19</p>	<i>Ongoing</i>
5.	<p>In vitro antibacterial activity Phytochemical screening of selected Mushroom in Meghalaya”</p> <p>Ongoing</p>	<p>Shri Zoliansanga and Phibahunlang,</p> <p>Shiningstar, Prosper</p> <p>Chero Marak, Limasungla.</p> <p>Student Teacher project</p>	Rs 25,000/-	<p>1st instalment Rs 15,000/-; Cheque No. 456973 of IOB, Vr No 464/19</p>	<i>Ongoing</i>

Sl. No	Name of project	Name of P.I	Amount sanctioned	Cheque No	Status
6.	“To study the diversity and habitat of fresh water snails and any other aquatic animals in Myntang river”.	Dr L M Jyrwa Student Teacher project	Rs 35,000/-	1 st instalment Rs 21,000 via Cheque No. 456906 of IOB, Voucher No. 397/19	<i>Ongoing</i>
7	A brief study on the learning problem and difficulties of students at the Higher Secondary Level of Education in Shillong	Smt. B. M. L. Wamswett Teachers Project	Rs. 7,000/-		<i>Completed</i>



Details of Minor Research Projects funded by the College through the Research Innovation and Publication Cell

2021-22

- Amount sanctioned :Rs 1,75,000/-
- Total Projects Sanctioned: 6
- Student Teacher Projects: 1
- Teacher Project: 5
- Status:
- Completed: 1
- Ongoing: 5
- Project Duration: 2 years



Serial No.	Name of project	Name of P.I	Amount sanctioned	Cheque No	Status
1	“Phytochemical analysis of wild edible fruits from East Khasi Hills District”	Smt. Dalari Lyngdoh Teacher project	Rs 50,000/-	1 st instalment Rs 30,000/-; Cheque No. 996618 of IOB, Vr No 264/20	<i>Ongoing</i>
2	“Implication of Post Matric Scholarship with special reference to the problems faced by college students of East Khasi Hills”	Dr H Iangrai Teacher project	Rs 25,000/-	1 st instalment Rs 15,000/-; Cheque No. 996617 of IOB, Vr No 263/20	<i>Completed</i>

Serial No.	Name of project	Name of P.I	Amount sanctioned	Cheque No	Status
3	“Designs and development of an Institutional Repository in Shillong College”	Smt B. Lyngdoh Teacher project	Rs 50,000/-	1 st instalment Rs 30,000/-; Cheque No. 977056 dt 30/11/21 of IOB Vr No 268/21	Ongoing
4	“Digitization of the rare books of Shillong College “	Shri. Mangbhabh Niangti, Asst. Librarian Teacher project	Rs 50,000/-	1 st instalment Rs 30,000/-; Cheque No. 977057 dt 30/11/21 of IOB Vr No 268921	Ongoing

Serial No.	Name of project	Name of P.I	Amount sanctioned	Cheque No	Status
5	“Study on the antimicrobial efficacy of the fruit extract of Myrica, an ethically used gastrointestinal remedy”	Smt. Mary Diengdoh Teacher Project	Rs.50,000/-	1 st instalment Rs 30,000/-; Cheque No. 977300 of IOB Vr No 69/22	Ongoing
6	“Documentation of Ethno Botonically Imortant Plants in Selected Villages of Khasi Hills, Meghalaya”	Dr. Aroma Lyngdoh Teacher Student Project	Rs. 50,000/-	1 st instalment Rs 30,000/-; Cheque No. 997544 of IOB Vr No 409/22	Ongoing

Details of Minor Research Projects funded by the College through the Research Innovation and Publication Cell

2022-23

- Amount sanctioned :Rs 1,00,000/-
- Total Projects Sanctioned: 2
- Student Teacher Projects: 0
- Teacher Project: 2
- Status:
- Completed: 0
- Ongoing: 2
- Project Duration: 2 years



Teachers' Project 2022-2023

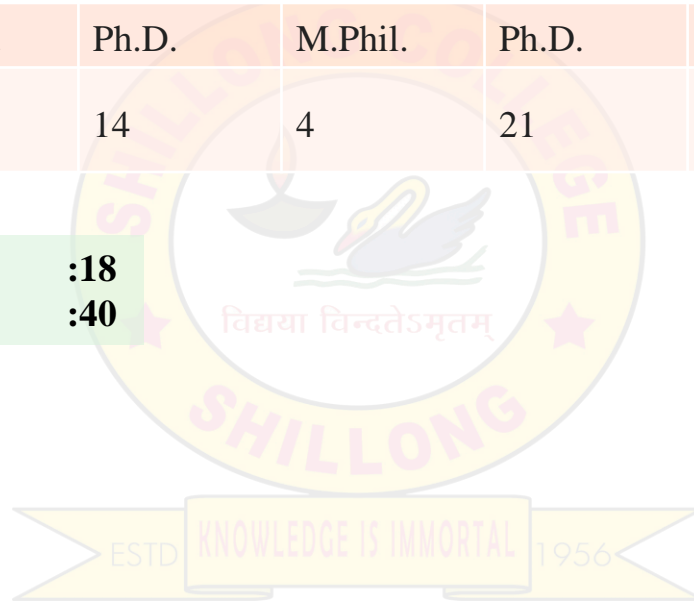
Serial No.	Name of project	Name of P.I	Amount sanctioned	Cheque No	Status
1	Synthesis and Biological Investigation of Ruthenium Metal Complexes Containing Nitrogen and Oxygen Donor Ligands	Dr. Barisha Wahlang, Department of Chemistry Teacher Project	Rs 50,000/-	1 st instalment Rs 30,000/-; Cheque No. 997827 of IOB, Vr No. 162/23	<i>Ongoing</i>
2	Synthesis of Ruthenium Metal Complexes Comprising Nitrogen Donor Ligands and Investigation of Biological Activities.	Dr. Lathewdeipor Shadap Department of Chemistry Teacher Project	Rs 50,000/-	1 st instalment Rs 30,000/-; Cheque No. 997735 of IOB, Vr No 70/23	<i>Ongoing</i>

Faculty with M.Phil and Ph.D Degrees

	Arts		Science		Commerce	Management
	M.Phil.	Ph.D.	M.Phil.	Ph.D.	Ph.D.	M.Phil.
Total No. of Teachers	13	14	4	21	1	1

Total Teachers' with M.Phil. :18

Total Teachers' with Ph.D :40



Teachers Currently Pursuing Ph.D

Arts

Sl. No.	Name	Departments
1	Smt Amanda Bashisha Basaiawmoit	English
2	Smt. Evangelene C. Nongkhlaw	English
3	Smt Cr. Patricia Mary Hodge	English
4	Shri Kolanjunes Diengdoh	Khasi
5	Smt Balarishisha Nongkynrih	Khasi
6	Smt Lorinda D. Marak	Garo
7	Shri Sumarlang Oracle Lyngskor	Economics
8	Smt Kathleen Georginia Nengnong	Education
9	Smt Amebari Kharkongor	History
10	Smt. Suzanne R. Jenny Khongwar	Sociology
11	Shri Ehsing Khiewtam	Hindi
12	Smt Daiaphira Kharsati	Hindi
13	Shri Esterson Sohtun	Hindi

Commerce

Sl. No.	Name	Departments
1	Shri Milan Swett	Commerce

Science

Sl. No.	Name	Departments
1	Shri Dikes Shadap	Mathematics
2	Shri Spainborlang Kharchandy	Mathematics
3	Shri Mardor Wanri Synrem	Mathematics
4	Smt Aiom M. Mitri	Computer Science & Applications
5	Shri Bantei Mukhim	Computer Science & Applications
6	Shri N. Donald J. Thabah	Computer Science & Applications
7	Shri Ransly Hoojon	Computer Science & Applications
8	Shri Jutang Phylla Swer	Computer Science & Applications
9	Shri Ronald E Kurbah	Statistics
10	Shri Zoliansanga	Microbiology

Total: 24

Faculty with Ph.D (2017 onwards)

Year	Number	Name	University	Year of the Award
2018	3	1. Dr Donna Rica Diengdoh (Sociology) 2. Dr P. Lyngdoh (English) 3. Dr J.Dkhar (English)	North-Eastern Hill University	2018
2019	1	Dr Balawan Mawrie (Environmental Science)	North-Eastern Hill University	2019
2021	1	Dr Larica Pathaw (Chemistry)	North-Eastern Hill University	2021
2022	1	Dr Maybecall J Marbaniang (Khasi) Dr. Babhador Khongdup(History)	North –Eastern Hill University	2022
2023	3	Dr. Bennathaniel H. Diengdoh (EVS) Dr. Donald R. Mawkhlieng (Statistics) Dr. Smarling Suting (Chemistry)	Pondicherry University International Institute for Population Sciences, Mumbai North –Eastern Hill University	2023

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- ▶ **Vol.II** was released on the 20th December, 2018
- ▶ **Vol.III No. 1** was released on 17th March, 2020
- ▶ **Vol.IV No. 1** was released on the 18th November, 2021
- ▶ **Vol.V No. 1** was released on the 15th March, 2023
- ▶ **Vol.VI No. 1** will be released tentatively in the Month of December, 2023

“Echoes from the Hills” is an interdisciplinary peer reviewed, annual academic journal. The term “interdisciplinary” connotes improved communication across disciplines that foster mutual understanding. This, in turn, advances our understanding of the deeply complex issues that underpin contemporary society. Acknowledging the need for diversity and integrity in speaking to these issues, “Echoes from the Hills” publishes manuscripts from a wide range of disciplines and encourages approaches to topics that use multiple and mutually supporting forms of analysis. The journal is committed to showcasing and publishing innovative scholarly writing from established and emerging academicians and professionals around the world with a hope to promote dialogue, reflection, inquiry, discussion, solutions and action. The Annual academic journal which is interdisciplinary in nature will focus on a theme to allow a holistic representation of works from different aspects.

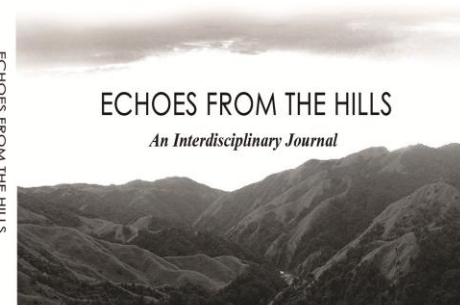
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Volume I

Volume I

ECHOES FROM THE HILLS

December 2017



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December 2017

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Email id: iqac.sc@gmail.com

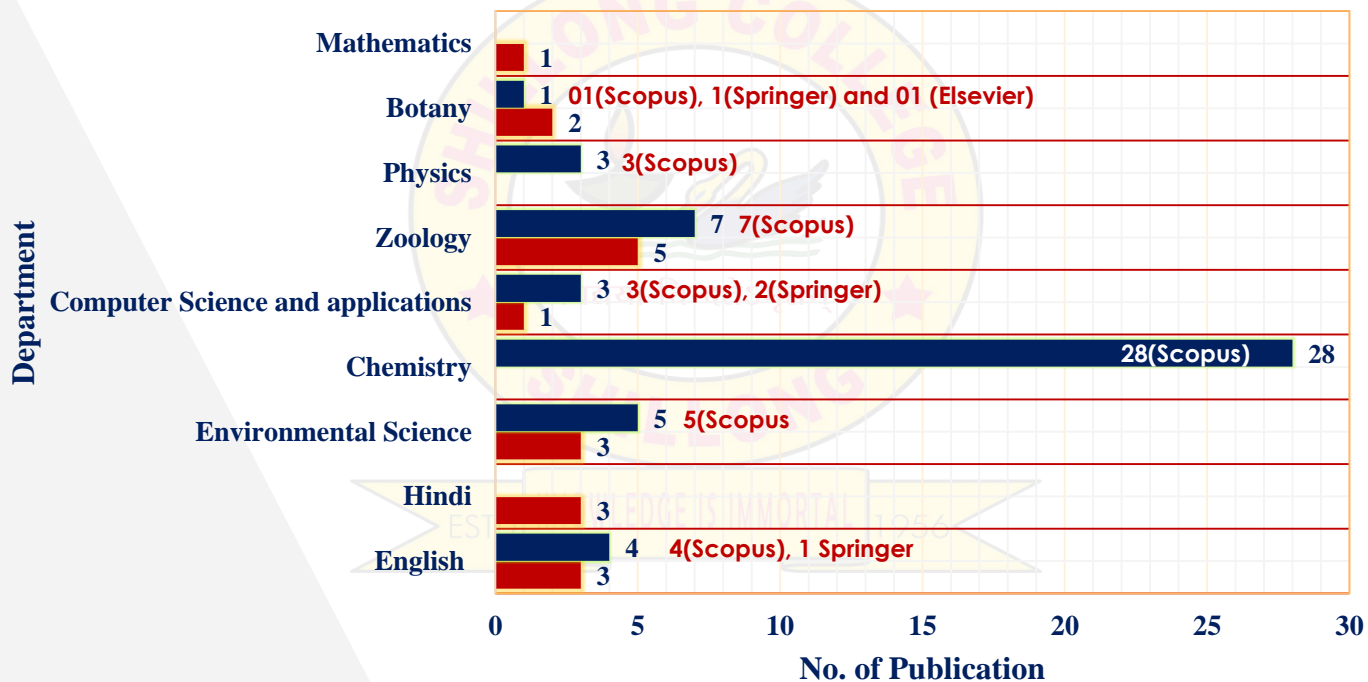
Research Publications in the Journals notified on UGC website during the year: 2017 -2022

Department	No. of Publications	
	Listed In UGC Care List	Listed In Scopus/ Web Of Science/ H-index/ Elsiever/Springer
English	03	4(Scopus), 1 Springer
Hindi	3	-
Environmental Science	3	5(Scopus)
Chemistry	-	28(Scopus)
Computer Science and applications	1	3(Scopus), 2(Springer)
Zoology	5	7(Scopus)
Physics	-	3(Scopus)
Botany	2	01(Scopus), 1(Springer) and 01 (Elsiever)
Mathematics	1	-
Total	18	56

Research Publications in the Journals notified on UGC website during the year: 2017 -2022

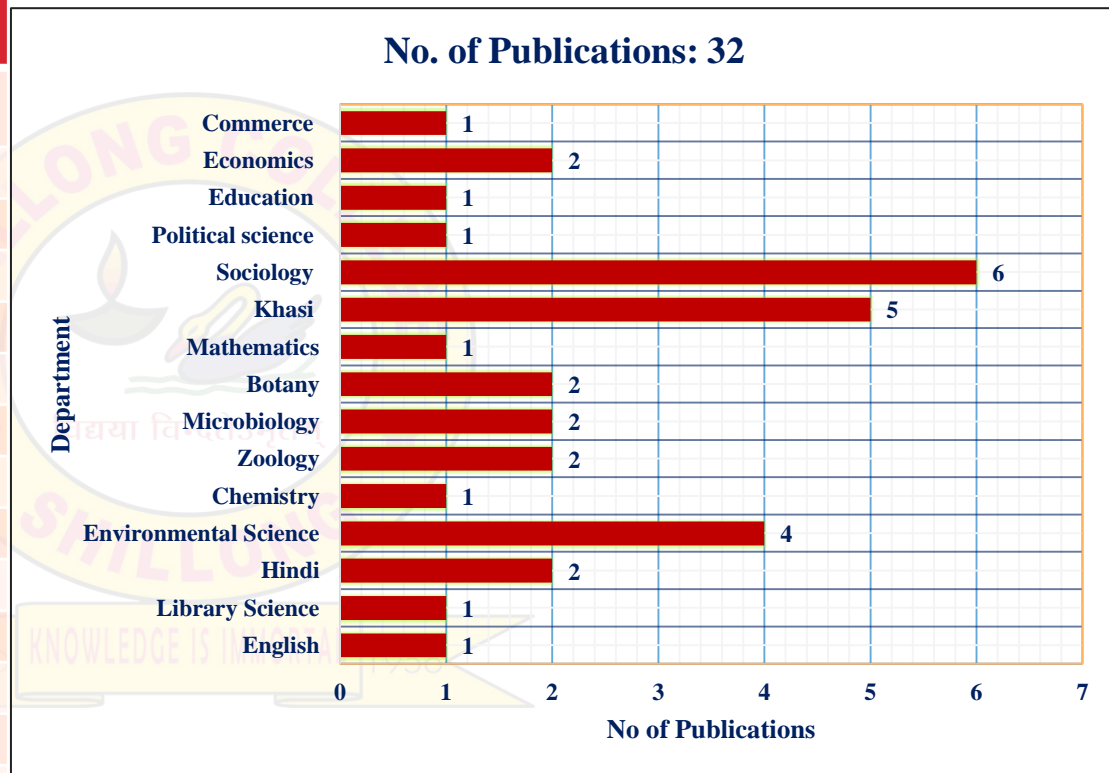
■ Listed In Scopus/ Web Of Science/ H-index/ Elsevier/Springer: 56

■ No. of Publications listed In UGC Care List: 18



Research Publications Peer Reviewed Journal with ISSN:2017 -2022

Department	No. of Publications
English	01
Library Science	1
Hindi	2
Environmental Science	4
Chemistry	1
Zoology	2
Microbiology	2
Botany	2
Mathematics	1
Khasi	5
Sociology	6
Political science	1
Education	1
Economics	2
Commerce	1
Total	32

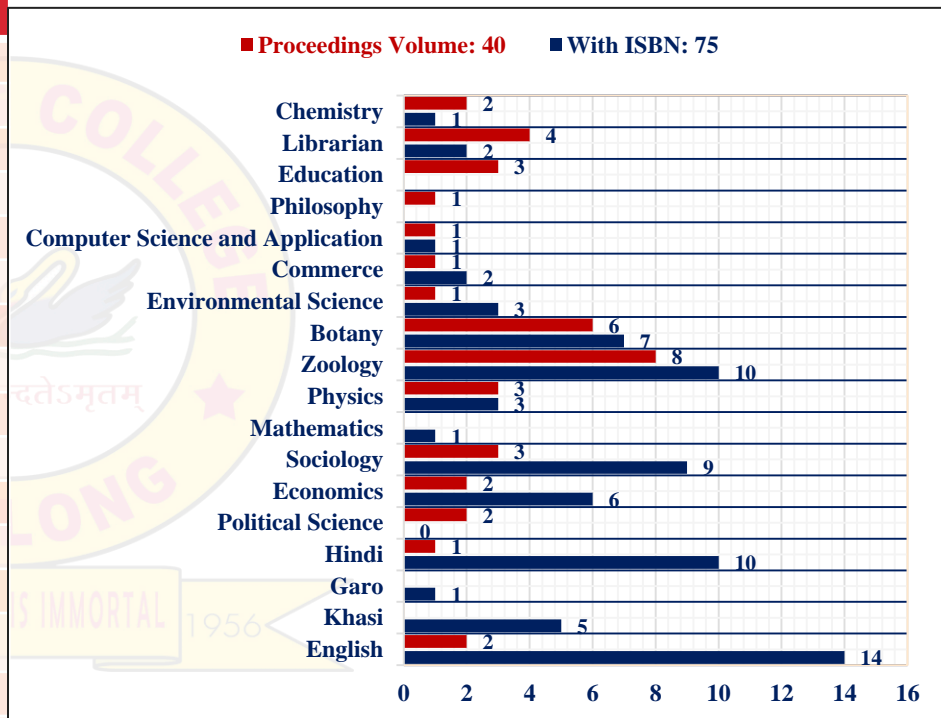


Department	2016	2023
English	04 ISSN	
Environmental Science	1 (UGC)	
Computer Science and applications		01 UGC
Zoology	4 ISSN	
Botany		01 Elsevier



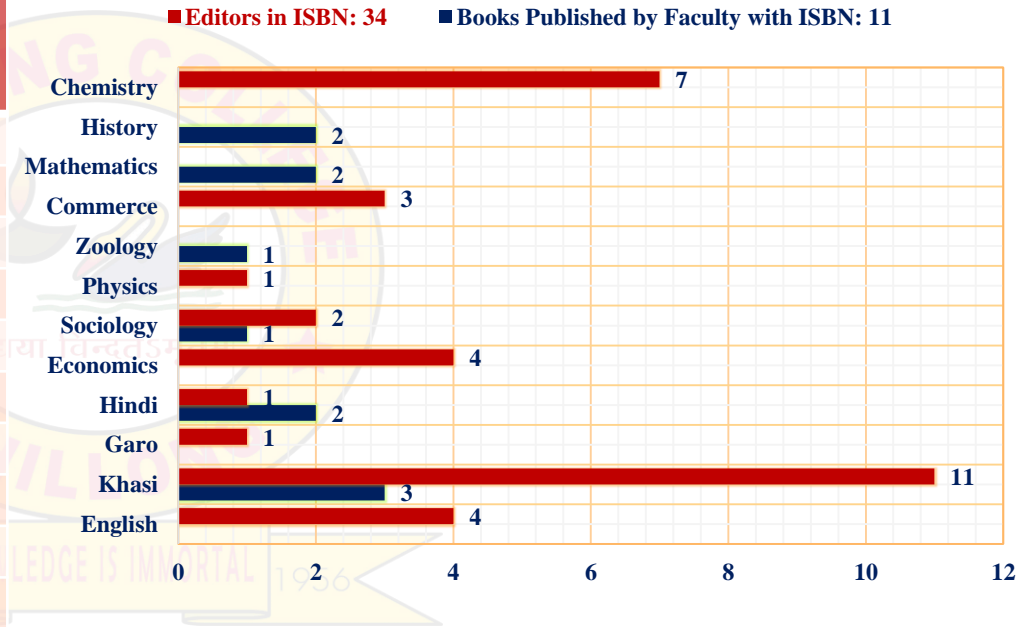
Books and Chapters in edited Volumes / and papers in National/International Conference Proceedings per Teacher: 2017-2022

Department	With ISBN	Proceedings Volume
English	14	02
Khasi	05	-
Garo	01	-
Hindi	10	01
Political Science	-	02
Economics	06	02
Sociology	09	03
Mathematics	01	-
Physics	03	03
Zoology	10	08
Botany	07	06
Environmental Science	03	01
Commerce	02	01
Computer Science and Application	01	01
Philosophy	-	01
Education	-	03
Librarian	02	04
Chemistry	01	02
Total	75	40



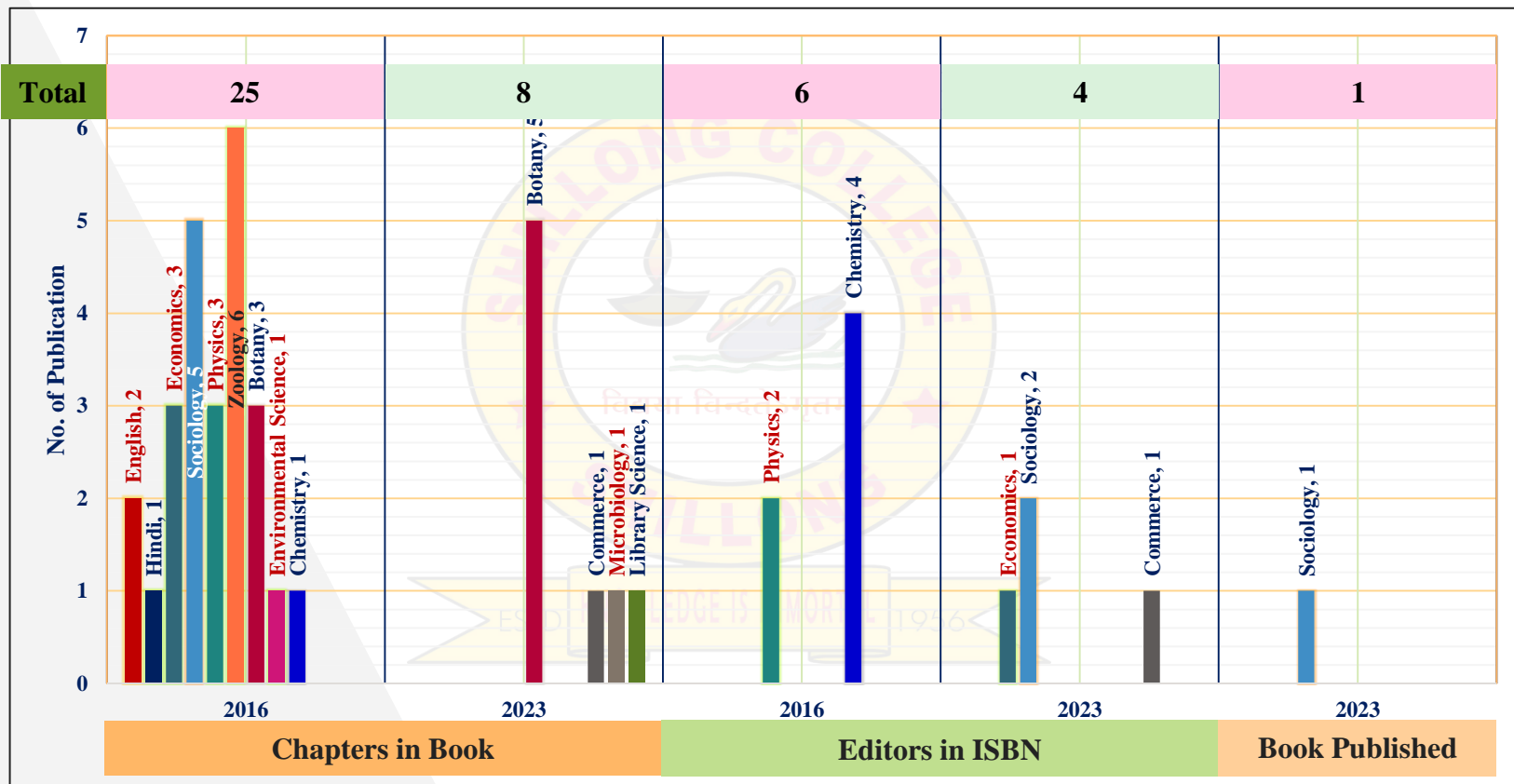
Books published By Teachers/ Editors in ISBN per Teacher: 2017-2022

Department	Books Published by Faculty with ISBN	Editors in ISBN
English		04
Khasi	03	11
Garo		01
Hindi	02	01
Economics		04
Sociology	01	02
Physics		01
Zoology	01	
Commerce		03
Mathematics	02	
History	02	
Chemistry		07
Total	11	34



Books published by Teachers/ Editors in ISBN per Teacher: 2016 and 2023

Department	Chapters in Book		Editors in ISBN		Book Published
	2016	2023	2016	2023	2023
English	02				
Hindi	01				
Economics	03			1	
Sociology	05			02	01
Physics	03		02		
Zoology	06				
Botany	03	05			
Environmental Science	01				
Chemistry	01		04		
Commerce		01		01	
Microbiology		01			
Library Science		01			
Total	25	08	6	4	1



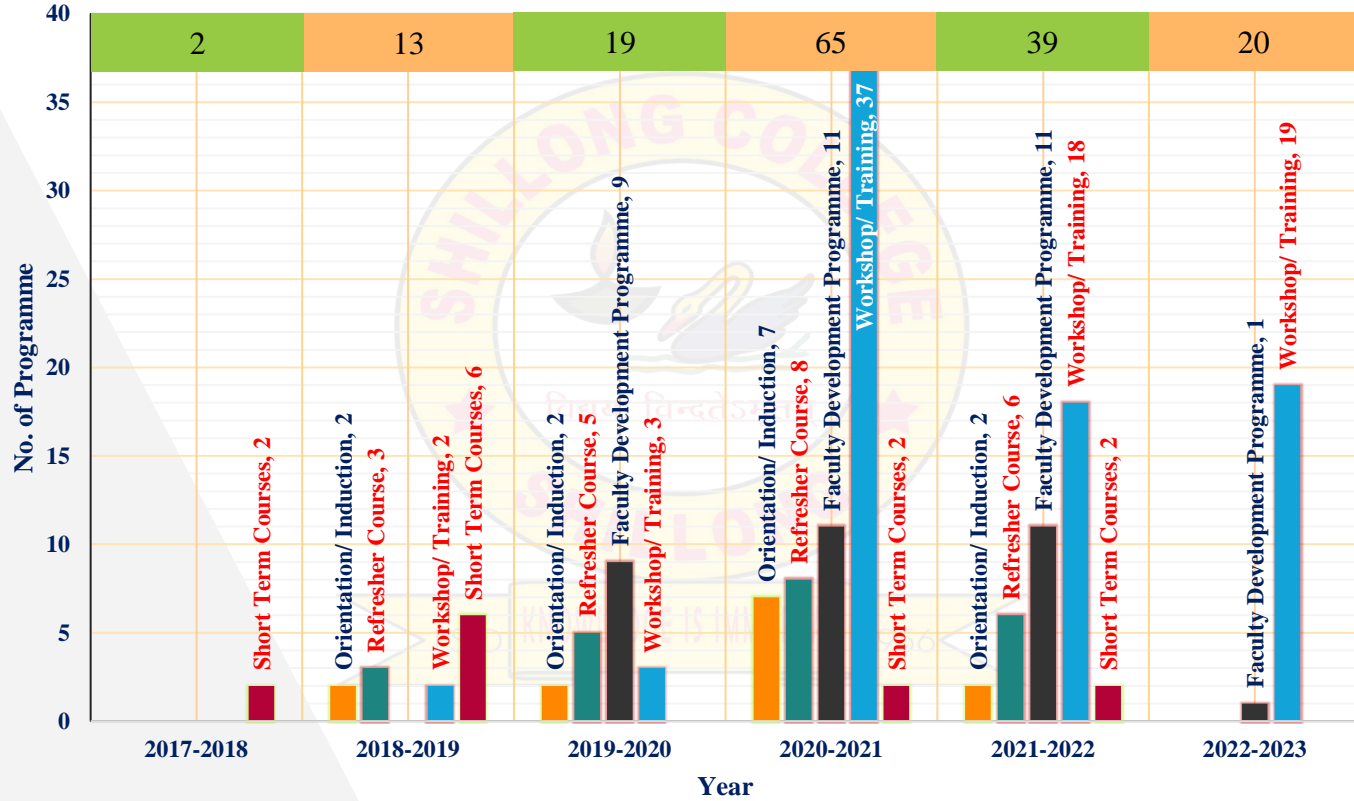
Main Publications of The College (2016 onwards)

Year	Proceedings Volume	Books with ISBN	Journal with ISSN and RNI ISSN: 2581-5253 RNI. Reg. No MEGENG/ 2017/ 74683
2016	-	02	-----
2017	03	02	VOL I
2018	01		VOL II
2019	01		VOL III No. I
2020			VOL IV No. I
2021		01	2021- VOL V No. I
2022		01	
2023		2	2022-VOL VI No. I (to be release soon)

Publication

Faculty Development Programmes (2017-2023)

Academic Year	Orientation/ Induction	Refresher Course	Faculty Development Programme	Workshop/ Training	Short Term Courses	Total
2017-2018					2	2
2018-2019	2	3		2	6	13
2019-2020	2	5	9	3		19
2020-2021	7	8	11	37	2	65
2021-2022	2	6	11	18	2	39
2022-2023			1	19		20



Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc.

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)
Research	Identification of fishes Research Identification of Crabs, Snails	ZSI, Shillong 0364-2223638	2016-2019
Internship for 6 th Semester Students from Department of Library & Information Science, NEHU	In-House operation of the Library	Department of Library & Information Science, NEHU 0364-2723141/2723142	2016-2019
Institutional membership	Sharing of Resources	38-A, American Center, J.L, Nehru Road, Park Street area, Kolkata, West Bengal 700071	2016-2019

Activities of the Cell

- Research and publication Cell organised a **Seven Day National Workshop on “Research Methodology”** on the 7th -13th June 2017 at Shillong College, Conference Hall, sponsored by ICSSR (NERC) NEHU, SCSTE & Chief Minister VAF Fund.
- Participants included faculty from rural colleges as well as faculty of the host institution. Renowned Resource persons from within the region and outside the State shared their inputs and expertise. During the Seven Day Workshop deliberations on the need and importance were discussed.
- *Letter no: F. No.4.627/NERC/Wrk-SC/ 2017-18-110, Dated May 30th 2017 An Amount of Rs 75,000/ VAF(CM/FUND) Letter No. - DPL.13/2012-13/Pt-1/2388-91 Dated Shillong the 22nd June 2017*
- *An Amount of Rs 100000/- Letter No: CST 4/ 2002/45, Dated Shillong The 18th May 2017 AN Amount of Rs 20, 000/ From SCSTE, GOVT OF Meghalaya.*
- Outcome of the National Workshop: Publication on “Research Methodology”, a reference book for Undergraduate level: Release on the 15th March, 2023 by Dr B.D R Tiwari, IAS Commissioner and Secretary of Education, Government of Meghalaya.



Seven Day National Workshop on Research Methodology held from 7th June to 13th June, 2017



Release of Research Methodology Publication by Dr B.D R Tiwari, IAS, Commissioner and Secretary of Education, Govt of Meghalaya on the 15th March, 2023

Activities of the Cell (contd):

- Interactive Program on “**Research and Innovation in Under Graduate Colleges**” on the 16th October 2016. Prof B.Myrboh, Pro Vice Chancellor, North Eastern Hill University was the Resource Person.
- An Awareness Program on the “**Role of ICSSR in promoting Research and Publication**” was held on the 26th April 2019. Dr C. J Thomas, Deputy Director ICSSR NERC NEHU was the Resource Person and he highlighted the importance of Research and Creativity in the various academic fields. He encouraged the participants/ faculty to take the opportunity of Research and informed that many organisations are extending their support and funding to Researchers especially in the field of Basic and

Applied Sciences.

Release of First Issue of the Interdisciplinary Journal “Echoes from the Hills” with ISSN: 2581-5253 (print) on the 24th July 2018.



Dr C.J Thomas Deputy Director ICSSR delivering Lecture on Role of ICSSR in promoting Research and Publication held in on 26th April 2019.



Release of the First Issue of the Interdisciplinary Journal Echoes From The Hills By Deputy Chief Minister Shri Preston Tynsong in the presence of Pro Vice-Chancellor NEHU Dr. Henry Lamin held on 24th July, 2018

Activities of the Cell (contd):

- Release of The second Issue of the Interdisciplinary Journal “Echoes from the Hills” with ISSN: 2581-5253 (print) with the sub-theme entitled **“Modern Environments: Emerging Trends.”** on the 20th December 2018
- Release of The third Issue of the Interdisciplinary Journal “Echoes from the Hills” with ISSN: 2581-5253 (print) with the sub-theme entitled **“Sustainable Development: Challenges and Opportunities.”** on the 17th March 2019.
- Release of the 4th Volume of the Interdisciplinary Journal “Echoes from the Hills” with ISSN: 2581-5253 (print) with the sub-theme entitled **“Society in a Frantic Habitat”** on the 18th of November, 2021.



Released of 3rd Volume of the Interdisciplinary Journal “Echoes From the Hills” published by Shillong College on the 17th of March, 2020
by the Principal-In Charge Dr. M. Dey



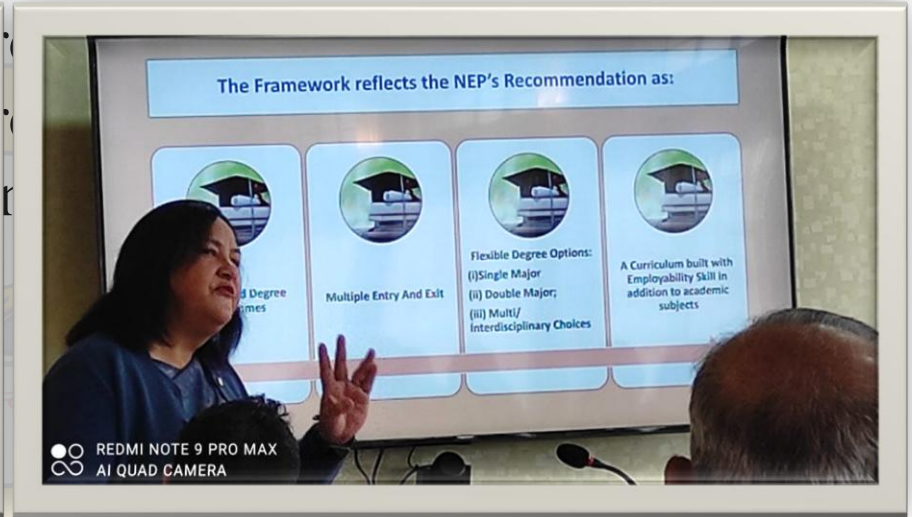
The Release of the IV Volume of the Interdisciplinary Journal-Echoes from the Hills
By Deputy Commissioner, East Khasi Hills, Smt Isawanda Laloo, IAS
On the 18th November 2021, in the Principal Conference Room.



Release of the Second Issue of the Interdisciplinary Journal Echoes you From The Hills by the Principal Dr today K.D Ramsiej in presence of President Governing body Professor B. Myrboh on 20th December 2018.



The Release of the Vol V No 1 of the Interdisciplinary Journal-Echoes from the Hills By Dr B.D R Tiwari, IAS, Commissioner and Secretary of Education, Govt of Meghalaya on the 15th March, 2023



Interactive Session on Research and NEP 2020 on the 15th March, 2023 with Prof S.M. Sungoh as the Resource Person



**Interactive Session on Research and NEP 2020 on the 15th March, 2023
with Prof S.M. Sungoh as the Resource Person.**

SWOC Analysis

Strength:

1. Management support
2. Enthusiasm of teachers and students in Science stream for various projects.
3. Well trained cell members to guide students undertaking projects.

Opportunities:

1. Platform for faculty development and students involvement to develop analytical skills and personal growth.
2. To undertake government projects.

Weakness:

1. Lack of motivation in other disciplines apart from science for undertaking projects.
2. Lack of infrastructural facilities to undertake major projects.
3. Fund constraints

Challenges:

1. To motivate teachers and students to undertake projects.
2. Time constraints

➤ In the initial phase

- ❖ Post announcement of NEP 2020, the Governing Body of Shillong College constituted a Task Force on the 6th of October, 2021 to look into the preparedness of the college for implementation of NEP 2020 and come up with suggestions for the same.
- ❖ Subsequently in a bid to acquaint the staff, On 3rd December, 2021 IQAC Coordinator highlighted the major requirements for implementation of NEP 2020 like the need for upgrading infrastructure including digital infrastructure, encouraging Research Projects including student-teacher research projects and publications.
- ❖ Departments were asked to examine NEP 2020 and submit their observations by February, 2022.
- ❖ Two – day National Workshop on **“Translating Vision into Action NEP 202: An Implementation Perspective”** was organized by the college on 27th and 28th of July, 2022.
- ❖ Dr. Kandarpa Kumar Deka, Former Vice-Chancellor, Dibrugarh University, Dr. Kiran Hazarika, Member, University Grants Commission, New Delhi, Ministry of Education, Government of India, Chairperson of UGC Experts group on formulation of Implementation Plan for National Education Policy, 2020, Prof. S.M. Sungoh, Professor, Department of Education, North Eastern Hill University, Shillong were the Resource Person.

Preparedness of the college for Implementation of NEP 2020

- Suggestions/Feedbacks were mailed to North Eastern Hill University (NEHU) on the Draft Curriculum Framework (UG Programme) under NEP with suggestions like, Curriculum and Syllabus to be in line with CBCS structure, Introductory Courses to be discipline specific, NEHU to organise intensive training for or Orientation Programmes or FDPs related to Research Methodology to equip departments with the Four Year Degree Programme, choice of functional Hindi/Garo/Khasi as options with Communicative English, appointment of more staffs, including Vocational Courses. It was suggested that that University holds discussions and deliberations with the State Government on the requirements and provisions of funding for infrastructure.

In the second phase

- College expanded infrastructure, procured ICT equipments, strengthened internet connectivity, digitised library.
- College has written to the Government for sanctioned posts particularly self-financing courses, Garo & Hindi.
- College is preparing the Syllabus for BPES in line with NEP as directed by NEHU.
- Submitted a DPR to NEC for development of infrastructure in the Extended Campus at Mawkasiang for starting of BPES.

Preparedness of the college for Implementation of NEP 2020

- Strengthening Entrepreneurship Skill Development by partnering with PRIME start- hub an initiative by the Govt of Meghalaya .MoU was signed between Shillong College and Prime Startup hub, Govt. of Meghalaya under the Meghalaya Basin Management Agency (MBMA) and Entrepreneurship Cell /Incubation Hub of college/University/Institution on the 28th of October,2022 regarding setting up of Entrepreneurship Promotion and Development Programme (EPDP)and incubators in (College/Universities) in Meghalaya.
- Also, Action Plan for implementation of NEP 2020 has been submitted to RUSA on 20th October,2022.
- An Interactive session with Prof. Sungoh and Prof. Pati of NEHU on the New Education Policy 2020 with the Principals of all colleges in Meghalaya was organized on 14th November,2022 at 2 p.m. in Shillong college premises.
- The college has identified 8 (eight) Vocational Courses (IC-VS) and certain departments entrusted with the task of preparing the draft syllabus.



Future Plans

- In Line with NEP 2020 Guidelines, the Research Innovation and Publication Cell plans to promote multidisciplinary research for students and teachers across the sciences, social sciences, arts, humanities.
- Meeting the objectives of NEP 2020 the cell proposes to encourage a holistic approach in research by collaborating with different research institutes, government agencies and others.
- To inculcate the mindset of the students for vocational, professional and technical field, through seminars, workshops, symposiums etc.

