

**HANDIQUE GIRLS' COLLEGE, GUWAHATI, ASSAM-781001**

**Year of Establishment 1939**



**(ANNUAL REPORT FOR THE PERIOD 1<sup>st</sup> APRIL 2022 TO 31<sup>st</sup> MARCH 2023)**

**Submitted to Gauhati University**

**Guwahati-14, Assam**

Address: Dighalipukhuri West, Panbazar, Guwahati-781001, Assam

Website: <https://www.hgcollege.edu.in>

College E-mail ID: [hgcollege75@gmail.com](mailto:hgcollege75@gmail.com)

Name of the Principal: Dr. Ranjit Sarma

Phone (i) Office (with STD Code): 0361-2970214 (ii) Mobile: 94350 92990

Email ID of the Principal: [rsarmajrt@gmail.com](mailto:rsarmajrt@gmail.com)

Type of Management: State Government (Provincialized)

Year of Provincialization: December, 2005

Year of recognition of UGC Act, 1956 Under Section 2F- 1989, Under Section 12B- 1989

Year of last NAAC accreditation: 2021

Grade / Points obtained: "B"

Programmes offered:

<b>Programmes</b>	<b>Year of first affiliation</b>	<b>Year of permanent affiliation</b>
B.A.	-	1989
B.Sc.	-	1984
B.Com.	NA	NA
B.Voc.	NA	-
B. C. A.	2008	-
M.A.	2012	-
M.Sc.	2014	-
M.Com	NA	NA
Diploma (PGDCA)	2006	-
Certificate	NA	NA
Any other (please specify)	NA	NA

**New Academic Programmes introduced during 2022-23 : Nil**

**Student Enrolment during 2022-2023:**

**a) Under Graduate:**

Programme	Semester	Intake capacity	Total admitted	Gen	SC	ST(P)	ST (H)	OBC/ MOBC	PH
B.A.	1 <sup>st</sup> Sem/ 2 <sup>nd</sup> Sem	757	510	225	41	61	26	127	-
	3 <sup>rd</sup> Sem/ 4 <sup>th</sup> Sem.		450	220	34	53	27	116	-
	5 <sup>th</sup> Sem./ 6 <sup>th</sup> Sem.		417	204	37	45	17	114	-
	<b>Total</b>	<b>757</b>	<b>1377</b>	<b>649</b>	<b>112</b>	<b>159</b>	<b>70</b>	<b>357</b>	
B.Sc.	1 <sup>st</sup> Sem/ 2 <sup>nd</sup> Sem	330	167	75	10	20	15	47	-
	3 <sup>rd</sup> Sem/ 4 <sup>th</sup> Sem.		203	101	16	19	05	62	-
	5 <sup>th</sup> Sem./ 6 <sup>th</sup> Sem.		90	46	08	07	02	27	-
	<b>Total</b>	<b>330</b>	<b>460</b>	<b>222</b>	<b>34</b>	<b>46</b>	<b>22</b>	<b>136</b>	<b>-</b>
BCA	1 <sup>st</sup> Sem/ 2 <sup>nd</sup> Sem	30	31	21	01	05	01	03	-
	3 <sup>rd</sup> Sem/ 4 <sup>th</sup> Sem.		26	14	03	01	04	04	-
	5 <sup>th</sup> Sem./ 6 <sup>th</sup> Sem.		23	09	03	03	01	07	-
	<b>Total</b>	<b>30</b>	<b>80</b>	<b>44</b>	<b>07</b>	<b>09</b>	<b>06</b>	<b>14</b>	<b>-</b>
<b>Grand Total</b>		<b>1117</b>	<b>1917</b>	<b>915</b>	<b>153</b>	<b>214</b>	<b>98</b>	<b>507</b>	<b>-</b>

**b) Post-Graduate (subject wise):**

Programme	Semester	Intake Capacity	Total Admitted	Gen	S.C.	S.T(P)	S.T. (H)	OBC/ MOBC	P.H.
M. A.Assamese	1 <sup>st</sup> Sem/ 2 <sup>nd</sup> Sem	20	18	08	04	03	00	03	-
	3 <sup>rd</sup> Sem/4 <sup>th</sup> Sem		20	10	01	01	00	08	-
	<b>Total</b>	<b>20</b>	<b>38</b>	<b>18</b>	<b>05</b>	<b>04</b>	<b>00</b>	<b>11</b>	<b>-</b>
M. Sc. Botany	1 <sup>st</sup> Sem/2 <sup>nd</sup> Sem	08	08	05	01	01	00	01	-
	3 <sup>rd</sup> Sem/4 <sup>th</sup> Sem		08	04	01	01	00	02	-
	<b>Total</b>	<b>08</b>	<b>16</b>	<b>09</b>	<b>02</b>	<b>02</b>	<b>00</b>	<b>03</b>	<b>-</b>
M. Sc. Chemistry	1 <sup>st</sup> Sem/2 <sup>nd</sup> Sem	15	15	10	00	01	00	04	-
	3 <sup>rd</sup> Sem/4 <sup>th</sup> Sem		14	07	01	01	00	05	-
	<b>Total</b>	<b>15</b>	<b>29</b>	<b>17</b>	<b>01</b>	<b>02</b>	<b>00</b>	<b>09</b>	<b>-</b>
M. Sc. Zoology	1 <sup>st</sup> Sem/2 <sup>nd</sup> Sem	15	14	09	01	01	00	03	-
	3 <sup>rd</sup> Sem/4 <sup>th</sup> Sem		14	05	02	01	02	04	-
	<b>Total</b>	<b>15</b>	<b>28</b>	<b>14</b>	<b>03</b>	<b>02</b>	<b>02</b>	<b>07</b>	<b>-</b>
PGDCA	1 <sup>st</sup> Sem/ 2 <sup>nd</sup> Sem	30	04	02	00	00	00	02	-
<b>Grand Total</b>		<b>88</b>	<b>115</b>	<b>60</b>	<b>11</b>	<b>10</b>	<b>02</b>	<b>32</b>	<b>-</b>

**Final Examination Result (Regular Programmes only)****i) Appeared**

<b>Examination</b>	<b>Total Appeared</b>	<b>SC</b>	<b>ST(P)</b>	<b>ST(H)</b>	<b>OBC/MOBC</b>	<b>PH</b>
B.A. (Regular)	24	-	-	-	-	-
B.Sc. (Regular)	15	-	-	-	-	-
BCA	18	-	-	-	-	-

**ii) Passed**

<b>Examination</b>	<b>Total Passed</b>	<b>SC</b>	<b>ST(P)</b>	<b>ST(H)</b>	<b>OBC/MOBC</b>	<b>PH</b>
B.A. (General)	21	-	-	-	-	-
B.Sc. (General)	13	-	-	-	-	-
BCA	14	-	-	-	-	-

**Final Examination Result (Under graduate Major Course/ Honors Programme- Subject wise).****i) Appeared**

<b>Honors subject</b>	<b>Total appeared</b>	<b>SC</b>	<b>ST (P)</b>	<b>ST(H)</b>	<b>OBC/MOBC</b>	<b>PH</b>
B. A. Assamese	48	-	-	-	-	-
B. A. Bengali	04	-	-	-	-	-
B. A.Economics	74	-	-	-	-	-
B. A.Education	45	-	-	-	-	-
B. A.English	57	-	-	-	-	-
B. A.Hindi	22	-	-	-	-	-
B. A.History	71	-	-	-	-	-
B. A.Home Science	16	-	-	-	-	-

Honors subject	Total appeared	SC	ST (P)	ST(H)	OBC/MOBC	PH
B. A.Philosophy	54	-	-	-	-	-
B. A.Political Science	55	-	-	-	-	-
B. A.Psychology	20	-	-	-	-	-
B. A.Sanskrit	21	-	-	-	-	-
B. Sc. Botany	28	-	-	-	-	-
B. Sc.Chemistry	23	-	-	-	-	-
B. Sc.Home Science	09	-	-	-	-	-
B. Sc.Mathematics	21	-	-	-	-	-
B. Sc.Physics	24	-	-	-	-	-
B. Sc.Statistics	21	-	-	-	-	-
B. Sc.Zoology	33	-	-	-	-	-
Grand Total	646	-	-	-	-	-

ii) **Passed**

Honors subject	Total passed	SC	ST (P)	ST(H)	OBC/MOBC	PH
B. A.Assamese	46	-	-	-	-	-
B. A.Bengali	04	-	-	-	-	-
B. A.Economics	73	-	-	-	-	-
B. A.Education	45	-	-	-	-	-
B. A.English	51	-	-	-	-	-
B. A.Hindi	18	-	-	-	-	-
B. A.History	64	-	-	-	-	-
B. A.Home Science	16	-	-	-	-	-
B. A.Philosophy	54	-	-	-	-	-
B. A.Political Science	55	-	-	-	-	-
B. A.Psychology	20	-	-	-	-	-
B. A.Sanskrit	18	-	-	-	-	-
B. Sc. Botany	28	-	-	-	-	-
B. Sc.Chemistry	23	-	-	-	-	-
B. Sc.Home Science	08	-	-	-	-	-

Honors subject	Total passed	SC	ST (P)	ST(H)	OBC/MOBC	PH
B. Sc.Mathematics	21	-	-	-	-	-
B. Sc.Physics	18	-	-	-	-	-
B. Sc.Statistics	21	-	-	-	-	-
B. Sc.Zoology	33	-	-	-	-	-
Grand Total	616	-	-	-	-	-

**Final Examination Result (Post Graduate Programmes- Subject wise).**

**a) Appeared**

Subject	Total appeared	SC	ST (P)	ST(H)	OBC/MOBC	PH
M. A.Assamese	19	-	-	-	-	-
M. Sc.Botany	08	-	-	-	-	-
M. Sc.Chemistry	13	-	-	-	-	-
M. Sc.Zoology	15	-	-	-	-	-
Grand Total	55	-	-	-	-	-

**b) Passed**

Subject	Total passed	SC	ST (P)	ST(H)	OBC/MOBC	PH
M. A. Assamese	15	-	-	-	-	-
M. Sc. Botany	08	-	-	-	-	-
M. Sc. Chemistry	09	-	-	-	-	-
M. Sc. Zoology	14	-	-	-	-	-
Grand Total	46	-	-	-	-	-

**Library facility as on 31-03-2023**

No. of books	No. of periodicals	No. of manuscripts	No. of Journals	No. of E-journals	No. of library users during 2022-23
52355	20	0	12	More than 6000	1815

**Detail of Teaching Staff as on 31-03-2023**

Number of		Total	Number of teachers with					
Assistant Professors	Associate Professors	83	Ph.D.	MPhil	NET	SLET	D.Lit	D.Sc
60	23		63	05	21	10	-	-

**Computer and Internet facilities:**

- a) Total number of Computers : 135
- b) Number of computers with INFLIBNET- NLIST access : 16 with Wi-Fi facility
- c) Number of ICT enabled class room(s)/smart class room (s) : 44

## Extra-curricular and Co-curricular activities:

- a) No. of N.C.C. Cadets : 104
- b) No. of N.S.S. Volunteers : 100
- c) No. of Scouts & Guides /Rovers /Rangers : Nil
- d) Achievements/Awards of students in Regional/National events :

Sl. No.	Year	Name of medal/award	Team	Individual	University/ State/National/ International	Sports/ Cultural	Name of the students
1	2022	Second	-	Individual	National	Culture	Ms.Fardina Saleh
2	2022/ 2023	Best Team	Team	-	State	Culture	Handique Girls'College
3	2022/2023	First Prize	Team	-	State	Culture	Handique Girls' college
4	2022/2023	Participation in Book fair	Team	-	State	Cultural	Handique Girls'College
5	2023	Third	-	Individual	State	Cultural	Ms.Fardina Saleh
6	2023	First	-	Individual	International	Cultural	Ms. Bidisha

							Bujarbaruah
7	2023	Judges Special	-	Individual	State	Cultural	Ms. Jutika Phukan
8	2023	Consolation	-	Individual	state	Cultural	Ms.Fardina Saleh
9	2023	Second	-	Individual	State	Cultural	Ms. Ahana Roy
10	2023	First	-	Individual	State	Cultural	Ms. Ahana Roy
11	2023	Third		Individual	State	Cultural	Ms. Prachi Giri
12	2023	Judges Special Prize		Individual	State	Cultural	Ms. Prachi Giri
13	2023	Third		Individual	State	Cultural	Ms. Prachi Giri
14	2023	Second		Individual	State	Cultural	Ms. Nancy Singh
15	2023	Silver Medal		Individual	National	Sports	Ms.Aaishu Barua
16	2023	Bronze		Individual	National	Sports	Ms. Tina Sonowal
17	2023	First		Individual	State	Sports	Ms. Antara Bhattacharjee
18	2022	Bronze		Individual	State	Sports	Ms.HimashreeBezbarua
19	2022	Bronze		Individual	State	Sports	Tarangini Saikia

**Faculty Development Programme organized by the college during 2022-23: Nil**

**Seminars/Workshop/Webinars conducted (2022-23):**

1. Dr. L. Hazarika coordinated Annual Conference on ‘SampratikAsomiyaGalpa: Rajnitiaru Nari Chetana’ (Key person: Mr. Arindam Borkataki) on 7 November 2022 organized by Assamese Department, Handique Girls’ College and Sponsored byHandique Girls’ College.
2. Dr. S. B. Borah coordinated Workshop on ‘Assamese Creative Writings’ (Resource Persons: Dr. Kamal Kumar Tanti & Mrs. Monika Devi) from 24to 25 March 2023 organized by Assamese Department, Handique Girls’ College and Sponsored byHandique Girls’ College.
3. Dr. L. Hazarika coordinated Workshop on ‘Assamese Scripts’ (Resource person: Mr. Dhanjit Talukdar) on 28 March 2023 organized by Assamese Department, Handique Girls’ College and Sponsored byHandique Girls’ College.
4. Dr. P. Bujarbarua coordinated Workshop on Traditional Herbal Knowledge on 31 March 2023 organized by Botany Department, Handique Girls’ College and Sponsored byNIF-India.



5. T. Rahman coordinated Workshop on Aptitude and Career Options after Graduation on 23 February 2023 organized by Economics Department, Handique Girls' College and Sponsored by Handique Girls' College.
6. Dr. P. Deka coordinated Issues and Concerns of Contemporary Bangladesh on 28 February 2023 organized by Political Science Department, Handique Girls' College and Sponsored by Handique Girls' College.
7. Dr. B. Chowdhury coordinated Ecological Issues: Climate Change and International Environmental agreements on 11 March 2023 organized by Political Science Department, Handique Girls' College and Sponsored by Handique Girls' College.
8. Dr. B. Chowdhury coordinated Formulation of Public Policy Process in India on 18 March 2023 organized by Political Science Department, Handique Girls' College and Sponsored by Handique Girls' College.
9. Dr. B. Chowdhury coordinated Climate change and Global Commons debate on 27 March 2023 organized by Political Science Department, Handique Girls' College and Sponsored by Handique Girls' College.
10. Dr. B. Chowdhury coordinated Chinese political structure in the contemporary World on 27 March 2023 organized by Political Science Department, Handique Girls' College and Sponsored by Handique Girls' College.
11. Dr. B. Chowdhury coordinated Modernity of Indian Political Thought with special reference to Tagore on 31 March 2023 organized by Political Science Department, Handique Girls' College and Sponsored by Handique Girls' College.

### **Research Projects (2022-23)**

#### **a. Completed:**

1. DST-SERB funded research project on *Functionalization of sulfoximines and related compounds based on nitrogen-centered radical chemistry* for a duration of 3 year (2020-2023) at a sanctioned amount of 18.3 Lakh sanctioned to Dr Kamal K Rajbongshi, Department of Chemistry, Handique Girls' College.

#### **b. Ongoing**

1. National Innovation Foundation-India, Gandhinagar, Gujarat (Autonomous body of DST, Govt. of India) funded research project on *Scouting & Documentation of Grassroots Innovation and Outstanding Traditional Herbal Knowledge from Kamrup district, Assam* for a duration of 1 year (2022-2023) at a sanctioned amount of 5,53,520 INR sanctioned to Dr Pranab Bujarbarua, Department of Botany, Handique Girls' College.
2. Department of biotechnology, Govt of India funded research project on *Targeting bacterial biofilms with polyphenol-loaded and silver doped ZnO nanoparticles: prospects for agro-horticultural applications* for a duration of 3 years(2022-2025) at a sanctioned amount of 57, 76,203 INR sanctioned to Dr. Uday Sankar Senapati, Department of Physics, Handique Girls' College.

3. Association of Asian Scholars funded research project on *Border Area Development And The Role Of Grassroot Institutions: A Case Of North Eastern Part Of India And Eastern Borders Of Bangladesh* for a duration of 1 year (2022-2023) at a sanctioned amount of 50,000 INR sanctioned to Dr. Pallavi Deka, Department of Political Science, Handique Girls' College.

### Academic Activities

#### a. Publications of research papers in peer reviewed/ UGC CARE list Journals

1. A. Ravindran & B.N. Das. 2022. Karyomorphological Analysis in *Strychnos dalzellii* C. B. Cl. and *Strychnos minor* Dennst. - The Indigenous Climbers of India. *Journal of Plant Science Research*, 38, 805-809. (0970-2539).
2. S. Mehmud, K.K. Das, T. Chetia, H. Roy, D. Bhattacharyya, P. Bujarbarua & S.K. Borthakur. 2023. The identity of *Phlogacanthus curviflorus* var. *menchanensis* (Acanthaceae). *Phytotaxa*, 595 (3), 291–295. (ISSN 1179-3155). (IF 1.05).
3. S. Mehmud, T. Chetia, H. Roy & P. Bujarbarua. 2023. A report on collection of *Impatiens latiflora* Hook. f. & Thomson from Assam, India. *Plant Archives*, (23)1, 191-192. (ISSN 0972-5210).
4. A. Sarma, S. Kalita, S. Wary, S. Nath Doley & K. Tayung. 2023. Antibacterial Evaluation of some traditionally used medicinal plants and their Formulations for treatment of Gastro Intestinal Disorders. *Research Journal of Pharmacy and Technology*, 16, 2584-2588. (ISSN 0974-360X). (IF 0.87).
5. B. Saha & P.K. Bhattacharyya. 2023. Exploring alkali metal cation...hydrogen interaction in the formation of half sandwich complexes with cycloalkanes: a DFT approach. *Pure and Applied Chemistry*, 95(3), 245-260. (ISSN 1365-3075). (IF 1.80).
6. T. Rahman & S. Kalita. 2022. Trade-off between fertilizer subsidy and investment in Indian agriculture: special reference to Assam. *International Journal of Food and Nutritional Sciences*, 11(7), 614-627. (ISSN 2320-7876).
7. T. Rahman. 2022. Computer Literacy and Women Entrepreneurship: A Study of Women Entrepreneurs in Eastern India. *Computer Integrated Manufacturing Systems*, 28(1), 1567-1584. (ISSN 1006-5911).
8. S. Lahon & L.R. Saikia. 2022. Human Rights Awareness of College Students: A study in colleges of Kamrup District in Assam. *International Journal of Food and Nutritional Sciences*, 11, 725-735. (ISSN 2319-1775). (IF 7.83).
9. S. Lahon & L.R. Saikia. 2023. A study on College Student Attitude towards Human Rights in relation to their gender. *International Journal for Multidisciplinary Research*, 5, 1-7. (ISSN 2582-2160). (IF 9.24).
10. T. Iqbal & P. Goswami. 2022. The Discourse of Silence: A Reading of "Kini Katha Malita". *Margins A Journal of Literature and Culture*, XI, 226-241. (ISSN 2250-0731).

11. **K. Das. 2023. Writing of Disease and Resilience: A Study of Dr. Dhrubajyoti Borah in Aazar.** *Assonance: A journal of Russian & Comparative Literary Studies*, 23, 313-323. (ISSN 2394-7853).
12. **D. Das. 2023. The Representation of the Self as Echoed in Narine Abgryan's three Apples fell from Sky.** *Assonance: A journal of Russian & Comparative Literary Studies*, 23, 209-215. (ISSN 2394-7853).
13. **P. Goswami. 2023. Translation and Memory: Recovery of the Past in "Face in Mirror".** *Literary Oracle*, 7.1, 41-47. (ISSN 2582-4155).
14. **P. Goswami. 2022. The Voice of Silence: A Study of the Act of Transformation of the Muted Voices.** *Litinfinitive*, IV(1), 20-28. (ISSN 2582-0400).
15. **P. Goswami. 2022. Translation, Culture and Women: A Reading of Selected Works of Mamoni Raisom Goswami.** *The Context*, 9(4), 1-9. (ISSN 2349-4948).
16. **R.A.A. Khan, R.K. Tiwari, J. Bharali, A. Boualli, G.D.A. Yildiz & E. Giidekli. 2023. Hyperbolic Scenario of Accelerating Universe in Modified Gravity.** *Symmetry*, 15(6), 1238. (ISSN 2073-8994). (IF 2.7).
17. **J. Bharali & U. Das. 2023. Dynamics of Generalized Ghost Pilgrim Dark Energy in General Relativity.** *Bulgarian Journal of Physics*, 50(1), 1-15. (ISSN 1314-2666).
18. **M. Choudhury. 2023. Propagation of Arbitrary Amplitude Dust Acoustic (DA) Waves in a Magnetized Plasma with Non-Thermal Electron and Ions.** *Brazilian Journal of Physics*, 53, 110. (ISSN 1678-4448). (IF 1.364).
19. **B. Choudhury. 2022. Rural Non-Farm Sector Development and Poverty Reduction in Bangladesh.** *Indian Studies Review*, 3(1), 45-60. (ISSN 2582-7154).
20. **M.R. Boro, M. Das, A. Kalita, B. Das & K. Sarma. 2023. Exploring the Anti-Inflammatory Potential of *Colocasia esculenta* Root Extract in In-vitro and In-vivo models of Inflammation.** *Journal of Ethnopharmacology*, 303, 116021. (ISSN 0378-8741). (IF 5.4).
21. **A. Choudhury, I Hassan, P. Gogoi & D.J. Haloi. 2023. Efficacy of Compounds used in Mosquito Repellents (DEET, Picardin, Prallethrin and IR3535) Against odour and Binding Protein (OBP20) of *Anopheles gambiae*: A Molecular Docking Study.** *ENTOMON*, 48, 185-194.
22. **A. Choudhury & I Hassan. 2023. Therapeutic activity of Medicinal Plants and Their Derivatives in Controlling Mosquito Vector-borne Diseases in North-East India.** *International Journal of Mosquito Research*, 10, 7-14. (ISSN 2343-5906).
23. **K. Phukan, G.P. Chutia & S. Chutia. 2022. Synthesis of Biodiesel from Indigenous *Xanthium Strumarium* (Cocklebur) Non-Edible Oil Available in Assam, India.** *ChemistrySelect*, 7(27), e202201342. (IF 2.307).
24. **K. Phukan, S. Chutia, G.P. Chutia & N.S. Sarma. 2022. Fabrication of Conducting Polyaniline–Betel Nut Fiber Filaments with Potential Ammonia Gas Sensing Behavior.** *Journal of Natural Fibers*, 19(16), 13694-13710. (IF 3.507).

25. G.P. Chutia, S. Chutia, P. Kalita & K. Phukan. 2023. Xanthium strumarium seed as a potential source of heterogeneous catalyst and non-edible oil for biodiesel production. *Biomass and Bioenergy*, 172, 106773. (IF 6.0).
26. S. Chutia & K. Phukan. 2023. Liquefied petroleum gas sensing activity of betel nut fiber-polyaniline conducting composites synthesized by time-controlled in situ polymerization. *Journal of Applied Polymer Science*, 140(28), e54037. (IF 3.0).
27. G.P. Chutia & K. Phukan. 2023. Biomass derived heterogeneous catalysts used for sustainable biodiesel production: a systematic review. *Brazilian Journal of Chemical Engineering*, s43153-023-00371-6. (IF 1.2).
28. N. Chakraborty, K. K. Rajbongshi, A. Dahiya, B. Das, A. Vaishnani, B. K. Pate. 2023. NIS-initiated photo-induced oxidative decarboxylative sulfoximidation of cinnamic acids. *Chem. Commun*, 59, 2779-2782. (IF 6.22).
29. S. Ambala, K. B. Govender, K. K. Rajbongshi, T. Govender, H. G. Kruger, T. Naicker, P. I. Arvidsson. 2023. N-Arylation of primary and tertiary sulfonimidamides (SIAs) with benzyne precursors under transition metal-free conditions. *Tetrahedron Letter*, 124, 154583. (IF 2.45).
30. N. Reddy, L. Girdhari, M. Shungube, A. C. Gouws, B. K. Peters, K. K. Rajbongshi, S. Baijnath, S. Mdanda, T. Ntombela, T. Arumugam, L. A. Bester, S. D. Singh, A. Chuturgoon, P. I. Arvidsson, G. E. M. Maguire, H. G. Kruger, T. Govender and T. Naicker. 2023. Neutralizing Carbapenem Resistance by Co-Administering Meropenem with Novel  $\beta$ -Lactam-Metallo- $\beta$ -Lactamase Inhibitors. *Antibiotic*, 12, 633. (IF 4.58).
31. B. Das, N. Chakraborty, K. K. Rajbongshi and B. K. Patel. 2023. Synthetic utility of styrenes in the construction of diverse heterocycles via annulation/cycloaddition. *Tetrahedron*, 134, 133270. (IF 2.457).
32. N. Chakraborty, B. Das, K. K. Rajbongshi and B. K. Patel. 2022. Combined Power of Organo- and Transition Metal Catalysis in Organic Synthesis. *Eur. J. Org. Chem.*, 2022, e202200273. (IF 3.26).

**b. Publications of Chapter(s) in Books (2022-23)**

1. L. Hazarika published a book chapter entitled *Asamiya Upanyasar Bichar-Bishlessn* In: Nabakanta Baruar 'Patachara' upanyasat Bharatiyachetanar Unmesh. Edited by B. Pathak, published by Assamese department, SB Deorah College, ISBN 978-81-929-759-7-9. 2023.
2. F. T. Sahidullah & co author published a book chapter entitled *Principle of Education* In: Principle of Education. Published by Subham Publication, ISBN 978-93-59659-84-8.
3. F. T. Sahidullah & co author published a book chapter entitled *Educational Guidance and Counselling* In: Educational Guidance and Counselling. Published by Assam Academic Centre, ISBN 978-93-94776-15-9.
4. F. T. Sahidullah published a book chapter entitled *Globalization of Higher Education in the India: Opportunities and Challenges* In: Higher Education in India: Issues and Challenges. Published by Research and Publication Cell, Anundoram Borooah Academy Degree College, ISBN 978-93-90706-23-5. 2022.

5. F. T. Sahidullah published a book chapter entitled *Value Crisis among the youth in contemporary society and role of value education* In: Value Crisis: The Global Issue. Published by Assam College Teacher Association, ISBN 978-93-93864-14-7. 2022.
6. S. Lahon published a book chapter entitled *Role of Information Communication Technology in Education* In: Jnanam. Published by Purbayan Publication, ISBN 978-93-93881-49-6. 2022.
7. S. Lahon published a book chapter entitled *Virtual Classroom* In: Dimensions of Education, Published by DVS Publishers, ISBN 978-93-85839-82-5. 2023.
8. P. Hiloidari published a book chapter entitled *Gender, Women and the Other in Manika Devee's Short Stories* In: Exploring Sociological Dimensions in Contemporary Assamese Short Stories. Published by Dibrugarh University, 2022.
9. P. Hiloidari published a book chapter entitled *Azar: A Postcolonial Dialogue on a Failed Polity and Colonial Epidemiology* In: Azar: A Reader. Purbayan. 2022.
10. P. L. Tuolor published a book chapter entitled *Satanic cult on the Christian tribes of Northeast India* In: Black Magic, Witchcraft and occultism. Published by Manohar Publications. 2023.
11. R. Devi published a book chapter entitled *Gendering of the early Indian philosophy: some glimpses from the lokayata tradition and the "sankhyakarita"*. In: Darshan anuragi. Published by Dispur college. 2022.
12. P. Dekap published a book chapter entitled *Rights Versus State Security: Cases of Virtual Curfews and More in North East of India and Beyond* In: Democratizing the Discourse of Rights and Human Security in India's North East. Published by DVS Publications, Delhi. 2022.
13. B Das published a book chapter entitled *Ground Zero* In: Covid-19 and India's Northeast: Psychological and Social Imprints. Published by Routledge, ISBN 10.4324/9781003289654-1. 2022.
14. K. Phukan published a book chapter entitled *Essentials of Green Chemistry* In: Some Important Green Syntheses: Future Trends in Green Chemistry. Published by Kalyani Publishers, ISBN 978-93-5540-006-2. 2022.
15. K.K. Rajbongshi published a book chapter entitled *N-Heterocycles Synthesis and Biological Evaluation* In: Pyridines, Dihydropyridines and Piperidines: An Outline on Synthesis and Biological Activities. Published by Spinger publication. ISBN 978-981-19-0831-6. 2022.
16. P. Barua published a book chapter entitled *Analytical Clinical Biochemistry* In: Carbohydrates, Proteins, Nucleic acids. Published by Global Net Publication, ISBN 978-93-9361-092-8. 2023.

**c. Publication of Books during 2022-2023 (Only those considered for API Score)**

1. J. K. Manta published a book entitled *Desh-kaal-bhavishyat* published by Sankardev publication. ISBN-978-93-95243-07-0. 2022.
2. J. K. Manta published a book entitled *Amsoishabdamala: kabiarukabitar katha* published by Shabda-kalpa-sahitya goshthi, Amsoi, Nagaon. ISBN-978-93-5891-125-1. 2022.

3. *A. D. Purkayastha* published a book entitled *Advanced Mathematical Physics –II* published by Kalyani Publishers. ISBN-978-93-5540-442-8.2023.
4. *R. K. Das* published a book entitled *Introductory Econometrics* published by Kalyani Publishers. ISBN-978-93-5540-037-6.2023.
5. *F.T. Sahidullah* published a book entitled *Value Education* published by Global Publishing House. ISBN-978-93-95606-02-8.
6. *P. Goswami* published a book entitled *The Coppers word of Theng Fhakri Tahsildar* published by Papyrus. 2022.
7. *Dr. B. Das* published a book entitled *Covid-19 and India's Northeast: Psychological and Social Imprints* published by Routledge. ISBN-978-1-032-20231-0.2022.
8. *M. Das, A. Dutta & A. Kalita* published a book entitled *Advanced Biochemistry* published by Kalyani Publisher. ISBN-978-93-5540-014-7.2022.
9. *Dr. E. Kalita* published a book entitled *Developmental Biology* published by Kalyani Publisher. ISBN-978-93-5540-213-4.2022.
10. *P. Deka* published a book entitled *Environment, Climate Change and Migration in South Asia* published by Routledge, London. ISBN-97810-32-66-9441.2023.
11. *Dr. F. T. Sahidullah&co author* published a book entitled *Principle of Education* published by Subham Publication. ISBN-978-93-59659-84-8.
12. *Dr. F. T. Sahidullah&co author* published a book entitled *Educational Guidance and Counselling* published by Assam Academic Centre. ISBN-978-93-94776-15-9.2022

**d. Details of Books and Journals published by the College (2022-23): NIL**

**e. Details of papers presented by Teachers (2022-23)**

Dr. B. Saha Presented a paper on “Exploring alkali metal cation...hydrogen interaction in the formation of half sandwich complexes with cycloalkanes: a DFT approach” in the International Conference on Virtual Conferencing Chemistry and Its Application organized by University of Mauritius from 8 to 12 August 2022.

**f. Refresher Course/ Orientation Course/ Short Term Course/ Faculty Development Programme/ Faculty Induction Programmes attended by the Teachers during the 2022-23**

- 1) Dr. Prabhali Doley attended a Faculty Development Program on MOOCs and E-content development organized by Handique Girls' Coleege&Omeo Kumar Das Institute of Social Change and Development, Guwahati from 11 to 10 July 2022.

- 2) Dr. PhoibiLalniroupiTuolor attended a Refresher Course on History organized by NEHU, Shillong from 24 November to 7 December 2022.
- 3) Ms. Namrata Pareek attended a Faculty Induction Program on Faculty in Universities/Colleges/Institutes of Higher Education organized by Teaching Learning Center, Ramanujan College, Delhi from 20 December 2022 to 19 January 2023.
- 4) Dr. Soma Dhar attended a Faculty Induction Program on Faculty in Universities/Colleges/Institutes of Higher Education organized by Teaching Learning Center, Ramanujan College, Delhi from 20 December 2022 to 19 January 2023.
- 5) Dr. Soma Dhar attended a Faculty Development Program on Recent Research Area and its Application in Mathematics organized by Vel Tech MultiTech from 10 to 15 October 2022.
- 6) Dr. Innifa Hasan attended a Short Term Course on Research Methodology for Basic Sciences organized by HRDC- NEHU from 14 to 20 February 2023.
- 7) Dr. Anuradha Kalita attended a Faculty Induction Program on 12th Faculty Induction Programme organized by HRDC-NEHU from 28 February to 29 March 2023.
- 8) Ms. Swapna Lahon attended a Refresher Course on Online Teaching Learning Course, E- Content Development,OER etc. organized by UGC(HRDC), Gauhati University from 14 to 28 February 2023.
- 9) Dr. Krisha Das attended a Faculty Development Program on Research Methodology for English Literature and Language organized by Bharathiar University, Coimbatore from 11 to 16 July 2022.
- 10) Ms. Upasana Dutta Sarkar Rabha attended a Faculty Induction Program on Faculty Induction Programme organized by UGC(HRDC), University of Hyderabad from 1 to 30 November 2022.
- 11) Dr. Rekhamoni Devi attended a Faculty Development Program on Innovative Practices in Higher Education and Research in collaboration with AMU Malappuram Centre, (Kerala) organized by Resource Development Centre, Aligarh Muslim University, Aligarh from 2 to 7 January 2023.

### 3. Awards/Fellowship received by the teachers (2022-23):

Dr. Poli Hiloidari received Sahitya Academy Award, 2021 for translation of Mamang Dai's novel "The Legends of Pensam" into Assamese with the title "DaatiParor Manuh" in June, 2022.

### 4. Patents (2022-23):

Patent application of Dr. Mousmita Devi is registered on 30/09/2022; title of the invention: "Statistical Analysis of Numerical Attributes of Brain Tumors and Predict the Life Expectancy through Confusion Matrix Instances"

### 5. Teachers Visited abroad during 2022-2023: Nil

<b>Hostel facilities:</b>	No. of Boys Hostel: Nil	Total Seats: Nil
	No. of Girls Hostel:01	Total seats: 118

Sports facilities:	Outdoor Games (Basketball Court, Volleyball Court) Indoor Games (Badminton Court, Table Tennis etc.)
Auditorium/ Seminar/Conference Room:	Auditorium: 1, Seminar: 4, Conference Room: 1
Specialized laboratory/ studio/ facility:	12
Augmentation of infrastructural facilities during the period 2022- 2023:	Nil
Technology up gradation during the period 2022-2023:	Nil
Financial aid to students during the period 2022- 2023:	Nil
Activities of the student counseling and Guidance Cell during the period (in brief)	<p>1. A workshop on Civil Services – Its myths and Methods of Presentation was organized by Ashoka IAS Academy in Association with Career Guidance, Training and Placement Cell, Handique Girls’ College on 26<sup>th</sup> and 27<sup>th</sup> November, 2022 at Handique Girls’ College, Guwahati. The workshop aimed to build capacity building of the students of Handique Girls’ College. The various topics covered in the two days workshop were UPSC and allied Services and Its Preparation Methods, myths related to the examination, syllabus discussion, news paper reading and its importance, short tips on qualitative aptitude and parts of Assam History, paper analysis and question paper discussion. An average of 68 students participated in the programme everyday.</p> <p>Ms. Honey Bhuyan, Director, Ashoka IAS Academy, Mr. Manoj Kr. Nath, Faculty, Ashoka IAS Academy and Mr. Nayan Nilim, Faculty, Ashoka IAS Academy were the key resource persons in the workshop.</p> <p>All the participants were highly benefited from the programme.</p> <p>2. One week Mahindra Pride Classroom Training Programme was</p>



	<p>organized by Career Guidance, Training and Placement Cell of Handique Girls' College in Collaboration with Nandi Foundation from 05.09.2022 to 12.09.2022 at Handique Girls' College, Guwahati. The training programme focused on generating employability amongst the final year students of the college. An average of 34 students participated in the programme every day.</p> <p>Ms. Genuine Narzary, Placement Co-ordinator ( Assam and West Bengal) Mahindra Pride Class Room (Mahindra and Mahindra CSR), Hyderabad, Ms. Gloria Gohain Jyrwa, State Co-ordinator ( Assam and North East Zone) Mahindra Pride Class Room , Nandi Foundation, Hyderabad and Ms. Lima Rabha , Adjunct Faculty, Mahindra Pride Class Room were the key resource persons in the training programme.</p> <p>At the end of the training programme campus recruitment were held for the participants by two companies namely, Teleperformance and Unschool. Miss Divya Subhasini from BCA department was selected by the Teleperformance company and she was happy to join the company. Again, Miss Ishaa Buccha from Economics department was selected by the Unschool company and she joined the said company.</p> <p>All the participants were highly benefited from the programme.</p>
Placement of students (in brief):	A good number of our students passed out got placements in different fields in various positions. Detailed information regarding their placement is given in Annexure-I.
Activities of Alumni Association during 2022-2023:	<p><b>Department of History—30/11/2022-</b> A program was organized by the alumni of New Hostel Committee in collaboration with the Department of History, Handique Girls' College to commemorate the third death anniversary of the ex-faculty member of the Department, Late Senehi Begum. The alumni of New Hostel Committee had utilized its own fund to conduct the program in collaboration with the Department of History.</p> <p><b>Department of Philosophy- 28/03/2023-</b> An exhibition cum sale was organized by the alumni of the Department of Philosophy along with the existing students in order to raise funds for a social cause. The program was inaugurated by Dr. Kanan Bhuyan Hazarika, retired faculty of the Department. The fund raised through the exhibition was donated to the</p>

	Karunadhara Charitable Trust.
Community Outreach Programme during 2022-2023:	<p><b>NSS Foundation Day, 24/09/2022</b></p> <p>The unit celebrated the NSS Foundation on 24<sup>th</sup> September 2022. The principal of the college Dr. Utpal Dutta and Vice Principal Mr. Rajib Kr. Das were present in the meeting spoke about the importance of NSS in students life and also encouraged the volunteers to devote themselves for social work. 9 volunteers also attended the NSS Day celebration organized by GU NSS Cell and participated in the following categories of events and won prizes.</p> <p>Extempore speech: Parli S. Kashyap and Himashree Kashyap (3<sup>rd</sup> prize)</p> <p>Patriotic song: Dhritinipa Buzar Barua (2<sup>nd</sup> prize)</p> <p><b>World Rivers Day</b></p> <p>On the occasion of World Rivers Day 25/09/22, the NSS unit of our college in collaboration with Save Bharalu Abhijan organised an awareness programme amongst the students on 26/09/2022. Dr. Rabindra Majumdar, the President of the Save Bharalu Abhijan delivered a lecture on the theme of reviving Bahini-Bharalu rivers of Guwahati. More than 70 students were present in the programme. Dr. Pranab Bujarbarua, Assistant Professor of Botany Department delivered the welcome address. Faculty member of Economics department Dr. Jayashree Choudhury anchored the entire programme. Vote of thanks was offered by Dr. Binoy Kr Nath, NSS P.O.</p> <p><b>Blood Donation Camp 29<sup>th</sup> September 2022</b></p> <p>Today on the 29<sup>th</sup> of September the NSS unit and Red Ribbon Club organized a blood donation camp in the college campus in association with Assam State AIDS Control Society and Assam State Blood Transfusion Council and Gauhati Medical College Hospital. 46 volunteers voluntarily came forward and 14 units of blood were collected.</p> <p><b>Poshan Maah observed</b></p> <p>On 29<sup>th</sup> September the Unit organized an awareness programme on nutrition on the auspicious month of Poshan Maah. The programme was organized in the Uzan bazaar Government high School. Namrata Paul Saha, Faculty member of Nemcare Group of Institute and Arya College of Nursing delivered a talk on the importance of balance food amongst the students of the school. There was also an interactive session. More than</p>

50 students along with the Head Master and other teachers of the school were present in the programme.

**Swachhta Drive 19/10/2022**

The NSS Unit organized a clean drive programme on the occasion of Fit India campaign launched by the Government of India. More than 50 students and volunteers cleaned the college campus and Guwahati Railway Station.

**World Polio Day (24/10/2022)**

On the occasion World Polio Day the NSS Unit along with NSS Units of Guwahati Commerce College and in collaboration with Rotary Club, Guwahati South organized awareness programme in Guwahati Commerce College on 22/10/2022. A rally from Commerce College to Zoo Road Tiniali was organized. After that a lecture was delivered by the members of Rotary Club on the importance of observance of Polio Day.

**National Unity Day(31/10/2022)**

The Unit participated in the Rashtriya Ekta Divas celebration at Nehru Stadium. A Run for Unity organized the government of Assam from Nehru Stadium around Dighalipukhuri and back to Nehru Stadium on 31/10/2022. The Chief Minister of Assam, Union Water Minister and other dignitaries were present in the programme. More than 100 students and NSS volunteers of the college participated in the Run for Unity flagged off by the Chief Minister.

**Constitution day 26 November 2022**

The Unit observed the Constitution day in the college. A talk on the Bharatvarsh, the mother of democracy was delivered by Dr. Pallabi Deka, Assistant Professor of Political Science. The programme was attended by NSS P. O and volunteers.

**World AIDS Day, 1<sup>st</sup> December 2022**

The day was observed by the NSS Unit. Around 50 volunteers along with P.O. from the unit participated in a rally organised by Assam AIDS Control Society around the GMCH complex. The rally was flagged off by Elvis Ali Hazarika, famous swimmer. The Unit also organised an awareness programme in the college campus. Mr. Prakash Sarma, resource person from Assam State AIDS Control Society delivered a lecture among the volunteers on different aspects of AIDS.

**08/02/2023**

Today the NSS unit of Handique Girls College organised a seminar for the volunteers in collaboration with Indian Institute of Digital Academy in the Day home on digital education and digital marketing. A total of 74 students were present at this programme. Vice Principal Mr. Dharendra Mohan Kumar delivered the welcome address. Neha Sharma, founder of IIDA delivered the interactive lecture and talked on different aspects of digital marketing. Mr. Parimal Kanti Chanda, venture of IIDA was also present on the programme. Dr. Debarati Das, assistant professor of English department anchored the programme. The vote of thanks was given by Ahana Roy a NSS volunteer.

**23/02/2023**

Today the NSS unit of Handique Girls College organized an orientation programme on Employability Skills development at Day home. A total of 158 students were present at this orientation. Dr .Debarati Das, assistant professor of English department gave the welcome speech. Dr. Meghna Kaushik, was the resource person for this orientation. She gave an valuable and interactive lecture and the volunteers and the students learned many new things from this orientation. The vote of thanks was given by Nistha Das, a NSS volunteer.

**04/03/2023**

The NSS unit of Handique Girls College organized a 10 day Self Defense Training programme in the college campus. Around 40 students joined in the programme which was organized in collaboration with ITF Tang Soo Do Sports and The Student Union Of Handique Girls College. The programme was organised from 23/02/2023 to 04/03/2023. Training was provided by Martin Debojit Gogoi and Bornali Gogoi. The students were greatly benefitted. On the last day valedictory function was held where Amal Narayan Patowary, Joint Secretary, Assam Olympic Association delivered a lecture. Dr. Jayashree Choudhury anchored the programme and the vote of thanks was delivered by Dr. Binoy Kr. Nath, NSS P.O

**22/03/2023**

On the occasion of World Water Day, the NSS volunteers performed a street play, on the topic – ‘Accelerating the change to solve the water and sanitation crises’.

	<p><b>23/03/2023</b></p> <p>Today the NSS volunteers of Handique Girls College along with other students organized a campus clean drive. Around 26 Volunteers joined in the programme</p> <p><b>25/26-03-2023</b></p> <p>NSS volunteer Anushka Singha from Psychology department participated in the 2 days workshop on digital story telling organized at Hotel Grand Bhabendra Alay Beltola. The programme was organized by the Regional Directorate of NSS, Guwahati.</p>
Any other relevant information:	Nil

*Anushka*

**Principal**

**Handique Girls' College**

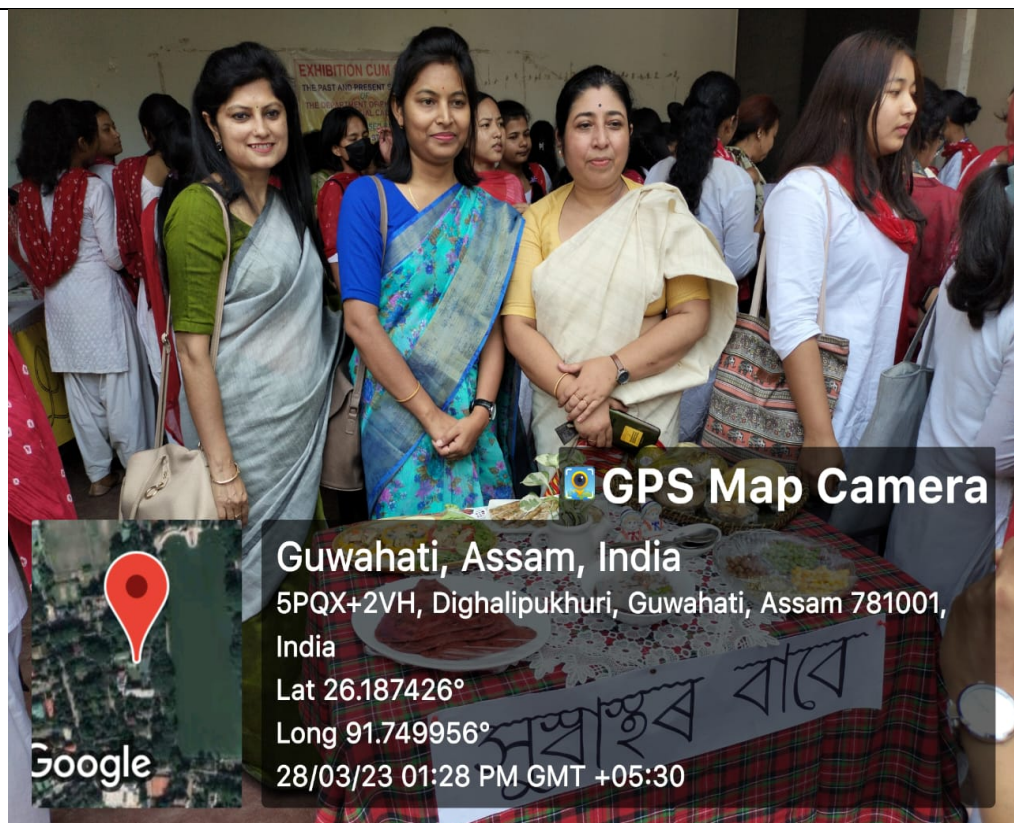
**NB: Please provide three best high-resolution photographs of any activity/event/infrastructural facility of the college during the year 2022-23.**



Save Bharalu Abhijan: **World Rivers Day**, Awareness programme organized by NSS unit in collaboration with Save Bharalu Abhijan



Blood donation camp organized by NSS unit and Red Ribbon Club in association with Assam State AIDS Control Society and Assam State Blood Transfusion Council and Gauhati Medical College Hospital



An exhibition cum sale organised by the alumni of the Department of Philosophy to raise funds for a social cause