

Office of the Principal

PANDU



COLLEGE

E-mail: panducollegepc@gmail.com

Website- www.panducollege.org

Guwahati-781012

Tel-0361-2570450/2673698

Dr. Sanchay Jyoti Bora, M.Sc., Ph. D
Principal

No-PC (G)/Stat/04/2012/

Date: 03/11/2023

To
Dr. Sanjay Kumar Dutta,
Deputy Director, Pre-Examination Training Centre,
Convener, Editorial Board,
Gauhati University,
Guwahati-14

Sub: - Submission of Annual Report for the session April 2022 to March 2023.

Sir,

With reference to the subject cited above, I am sending herewith the Annual Report of Pandu College for the session 2022-2023 and a soft copy of the same is also sent to the e-mail provided by you.

This is for favour of your kind information and necessary action.

With regards,

Yours faithfully

(Dr. Sanchay Jyoti Bora)
Principal
Pandu College, Pandu

Principal
PANDU COLLEGE, PANDU
Guwahati-12, Assam

Enclose – As stated above



PANDU COLLEGE

Year of Establishment 1962

(ANNUAL REPORT FOR THE PERIOD 1st APRIL 2022 TO 31st MARCH 2023)

Address : Pandu College, Pandu, Ghy-12, District – Kamrup Metropolitan, Assam.

Website : www.panducollege.org

College E-mail Id: panducollegepc@gmail.com

Name of the Principal: Dr. Sanchay Jyoti Bora, M.Sc., Ph. D

Phone (i) Office (with STD Code): 0361-2570450 (ii) Mobile: 9435111435

E-mail ID of the Principal: Sanchay.bora@gmail.com

Type of Management (Central Govt./State Govt./Public aided/Unaided): Provincialised

Year of Provincialisation: 2005

Year of recognition of UGC Act, 1956 under Section 2 F: 1968-69 under Section 12B: 1968-69

Year of last NAAC accreditation: 2019

Grade / Points obtained: B / CGPA – 2.38

Programmes offered:

Programmes	Year of first affiliation	Year of permanent affiliation
B.A.	1966-67	1989-90
B.Sc.	1966-67	1989-90
B.Com.	2008-09	-
B.Ed.		
LLB		
B.Voc.		
BCA	2011-12	-
B.Sc. Biotechnology	2011-12	-
M.A.	2012-13	-
M.Sc.	2013-14	-
M.Com.		
M.Ed.		
LLM		
Diploma		
Certificate		
Any other (please specify)		

New Academic Programmes introduced during 2022-2023:

Students Enrolment during 2022-2023:

a) Under graduate:

Programme	Semester	Intake capacity	Total admitted			SC			ST(P)			ST (H)			OBC/MOBC			PH		
			M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
B.A.	1 st Sem/ 2 nd Sem	600	134	322	456	22	46	68	18	26	44	01	02	03	29	78	107	0	0	0
	3 rd Sem/ 4 th Sem.	400	116	238	354	19	39	58	11	13	24	02	06	08	36	51	87	01	0	01
	5 th Sem./ 6 th Sem.	400	56	147	203	05	23	28	08	14	22	04	0	04	13	30	43	02	2	04
	Total	1400	306	707	1013	46	108	154	37	53	90	07	08	15	78	159	237	03	2	05
B.Sc.	1 st Sem/ 2 nd Sem	250	126	113	239	17	10	27	08	08	16	03	02	05	41	19	60	0	0	0
	3 rd Sem/ 4 th Sem.	220	71	56	127	06	02	08	05	07	12	0	04	04	21	17	38	0	0	0
	5 th Sem./ 6 th Sem.	220	35	34	69	03	03	06	03	01	04	03	02	05	09	09	18	0	0	0
	Total	690	232	203	435	26	15	41	16	16	32	06	08	14	71	45	116	0	0	0
B.Com	1 st Sem/ 2 nd Sem	150	46	18	64	03	03	06	04	01	05	0	0	0	11	04	15	0	0	0
	3 rd Sem/ 4 th Sem.	125	44	15	59	06	0	06	04	01	05	0	0	0	11	06	17	0	0	0
	5 th Sem./ 6 th Sem.	125	41	15	56	06	02	08	01	01	02	0	0	0	10	02	12	0	0	0
	Total	400	131	48	179	15	05	20	09	03	12	0	0	0	32	12	44	0	0	0
BCA	1 st Sem/ 2 nd Sem	40	24	11	35	03	0	03	02	01	03	0	0	0	10	01	11	0	0	0
	3 rd Sem/ 4 th Sem.	40	24	03	27	04	02	06	02	0	02	02	0	02	08	0	08	0	0	0
	5 th Sem./ 6 th Sem.	40	15	02	17	02	01	03	03	0	03	01	0	01	01	0	01	0	0	0
	Total	120	63	16	79	09	03	12	07	01	08	03	0	03	19	01	20	0	0	0
Bio-Technology	1 st Sem/ 2 nd Sem	30	16	08	24	01	0	01	02	0	02	01	0	01	03	02	05	0	0	0
	3 rd Sem/ 4 th Sem.	30	12	12	24	0	03	03	02	02	04	0	0	0	04	03	07	0	0	0
	5 th Sem./ 6 th Sem.	30	10	11	21	0	0	0	0	0	0	0	0	0	01	03	04	0	0	0
	Total	90	38	31	69	01	03	04	04	02	06	01	0	01	08	08	16	0	0	0
Diploma programme		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Certificate programme		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other programmes (Pl. Specify)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grand Total		2700	770	1005	1775	97	134	231	73	75	148	17	16	33	208	225	433	03	2	05

b) Post-Graduate (subject wise):

Subject	Semester	Intake capacity	Total admitted			SC			ST(P)			ST (H)			OBC/MOBC			PH		
			M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Assamese	1 st Sem/ 2 nd Sem	30	04	24	28	0	02	02	02	07	09	0	01	01	0	09	09	0	0	0
	3 rd Sem/ 4 th Sem.	30	07	14	21	02	03	05	0	0	0	0	0	0	02	04	06	0	0	0
Economics	1 st Sem/ 2 nd Sem	20	03	17	20	0	02	02	0	02	02	01	0	01	0	02	02	0	0	0
	3 rd Sem/ 4 th Sem.	20	04	16	20	0	0	0	0	01	01	0	01	01	01	05	06	0	0	0
Education	1 st Sem/ 2 nd Sem	30	02	27	29	0	02	02	01	04	05	0	02	02	0	08	08	0	0	0
	3 rd Sem/ 4 th Sem.	30	01	27	28	0	01	01	0	06	06	0	03	03	0	07	07	0	0	0
Geography	1 st Sem/ 2 nd Sem	20	06	14	20	0	0	0	01	01	02	01	0	01	03	04	07	0	0	0
	3 rd Sem/ 4 th Sem.	15	04	11	15	0	01	01	01		01	0	0	0	0	04	04	0	0	0
History	1 st Sem/ 2 nd Sem	25	07	18	25	02	01	03	01	03	04	0	01	01	02	04	06	0	0	0
	3 rd Sem/ 4 th Sem.	25	05	15	20	0	01	01	01	04	05	01	00	01	02	03	05	0	0	0
Political Science	1 st Sem/ 2 nd Sem	20	04	14	18	0	02	02	01	0	01	01	01	02	01	04	05	0	0	0
	3 rd Sem/ 4 th Sem.	20	02	09	11	0	0	0	01	01	02	0	0	0	01	04	05	0	0	0
Zoology	1 st Sem/ 2 nd Sem	20	06	16	22	0	01	01	01	04	05	01	0	01	01	04	05	0	0	0
	3 rd Sem/ 4 th Sem.	20	08	11	19	01	0	01	0	0	0	0	01	01	05	02	07	0	0	0
Total		325	63	233	296	05	16	21	10	33	43	05	10	15	18	64	82	0	0	0
PGDCA	1 st Sem/ 2 nd Sem	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Final Examination Result (Regular Programmes only)

i) Appeared

Examination	Total Appeared			SC			ST (P)			ST(H)			OBC/ MOBC			PH		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
B.A. (General)	34	48	82	05	10	15	06	10	16	04	04	08	12	10	22	0	0	0
B.Sc. (General)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B.Com (General)	31	05	36	05	0	05	06	0	06	0	0	0	06	03	09	0	0	0
BCA	17	02	19	01	0	01	05	0	05	0	0	0	05	0	05	0	0	0
B.Sc. Biotechnology	11	09	20	02	0	02	01	01	02	0	0	0	01	03	04	0	0	0
PGDCA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B.Voc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B.Ed.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other courses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ii) Passed

Examination	Total Passed			SC			ST (P)			ST(H)			OBC/ MOBC			PH		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
B.A. (General)	31	45	76	05	10	15	05	09	14	04	04	08	12	08	20	0	0	0
B.Sc. (General)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B.Com (General)	26	04	30	03	0	03	05	0	05	0	0	0	04	02	06	0	0	0
BCA	16	02	18	01	0	01	04	0	04	0	0	0	05	0	05	0	0	0
B.Sc. Biotechnology	09	08	17	02	0	02	0	01	01	0	0	0	01	03	04	0	0	0
PGDCA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B.Voc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B.Ed.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other courses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Final Examination Result (Under graduate Major course/Honours Programme-subject wise).

(i) Appeared

Major / Honours subject	Total Appeared			SC			ST (P)			ST(H)			OBC/ MOBC			PH		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Assamese	08	25	33	01	03	04	02	01	03	0	01	01	02	12	14	0	0	0
Bengali	01	10	11	0	02	02	0	0	0	0	0	0	0	03	03	0	0	0
Bodo	02	05	07	0	0	0	02	05	07	0	0	0	0	0	0	0	0	0
Economics	08	15	23	01	02	03	02	0	02	0	0	0	01	03	04	0	0	0
Education	03	29	32	01	02	03	0	01	01	0	0	0	01	08	09	0	0	0
English	08	22	30	02	02	04	0	0	0	01	0	01	01	07	08	0	0	0
Geography (Arts)	11	14	25	02	0	02	0	02	02	01	0	01	03	06	09	0	0	0
Hindi	02	15	17	02	06	08	0	0	0	0	01	01	0	05	05	0	0	0
History	11	18	29	01	02	03	04	06	10	01	0	01	02	02	04	0	0	0
Philosophy	04	16	20	0	0	0	01	03	04	0	0	0	02	02	04	0	0	0
Political Science	13	26	39	01	04	05	01	01	02	02	0	02	03	03	06	0	0	0
Botany	10	14	24	0	01	01	0	01	01	01	0	01	05	07	12	0	0	0
Chemistry	16	08	24	0	01	01	0	0	0	0	0	0	03	03	06	0	0	0
Geography (Science)	04	0	04	0	0	0	01	0	01	02	0	02	01	0	01	0	0	0
Mathematics	25	05	30	06	01	07	0	0	0	0	0	0	03	01	04	0	0	0
Physics	13	06	19	0	01	01	01	0	01	0	0	0	06	01	07	0	0	0
Statistics	13	07	20	0	0	0	03	0	03	0	0	0	05	01	06	0	0	0
Zoology	07	13	20	01	05	06	01	02	03	0	01	01	0	02	02	0	0	0
Commerce	49	22	71	06	0	6	0	0	0	01	01	02	12	04	16	0	0	0
Grand Total	208	270	478	24	32	56	18	22	40	09	04	13	50	70	120	0	0	0

(ii) Passed

Major / Honours subject	Total Passed			SC			ST (P)			ST(H)			OBC/ MOBC			PH		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Assamese	08	25	33	01	03	04	02	01	03	0	01	01	02	12	14	0	0	0
Bengali	01	07	08	0	02	02	0	0	0	0	0	0	0	02	02	0	0	0
Bodo	02	05	07	0	0	0	02	05	07	0	0	0	0	0	0	0	0	0
Economics	08	15	23	01	02	03	02	0	02	0	0	0	01	03	04	0	0	0
Education	03	29	32	01	02	03	0	01	01	0	0	0	01	08	09	0	0	0
English	08	22	30	02	02	04	0	0	0	01	0	01	01	07	08	0	0	0
Geography (Arts)	11	14	25	02	0	02	0	02	02	01	0	01	03	06	09	0	0	0
Hindi	02	15	17	02	06	08	0	0	0	0	01	01	0	05	05	0	0	0
History	09	18	27	01	02	03	04	06	10	0	0	0	01	02	03	0	0	0
Philosophy	03	16	19	0	0	0	01	03	04	0	0	0	01	02	03	0	0	0
Political Science	13	26	39	01	04	05	01	01	02	02	0	02	03	03	06	0	0	0
Botany	10	14	24	0	01	01	0	01	01	01	0	01	05	07	12	0	0	0
Chemistry	16	08	24	0	01	01	0	0	0	0	0	0	03	03	06	0	0	0
Geography (Science)	04	0	04	0	0	0	01	0	01	02	0	02	01	0	01	0	0	0
Mathematics	22	05	27	05	01	06	0	0	0	0	0	0	02	01	03	0	0	0
Physics	13	05	18	0	01	01	01	0	01	0	0	0	06	01	07	0	0	0
Statistics	13	07	20	0	0	0	03	0	03	0	0	0	05	01	06	0	0	0
Zoology	07	13	20	01	05	06	01	02	03	0	01	01	0	02	02	0	0	0
Commerce	48	21	69	06	0	6	0	0	0	01	01	02	11	04	15	0	0	0
Grand Total	201	265	466	23	32	55	18	22	40	08	04	12	46	69	115	0	0	0

Final Examination Result (Post Graduate Programmes – Subject wise)

(i) Appeared

Subject	Total Appeared			SC			ST (P)			ST(H)			OBC/ MOBC			PH		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Assamese	02	23	25	0	05	05	0	02	02	0	0	0	0	04	04	0	0	0
Economics (Arts)	0	16	16	0	01	01	0	02	02	0	01	01	0	05	05	0	0	0
Education	02	24	26	0	02	02	0	02	02	0	01	01	01	09	10	0	0	0
Geography (Arts)	01	11	12	0	01	01	0	01	01	0	0	0	0	02	02	0	0	0
History	05	14	19	0	01	01	01	0	01	0	02	02	02	02	04	0	0	0
Political Science	03	13	16	0	03	03	01	03	04	0	01	01	01	02	03	0	0	0
Economics (Science)	02	0	02	0	0	0	0	0	0	0	0	0	01	0	01	0	0	0
Geography (Science)	02	01	03	0	0	0	0	0	0	0	0	0	01	0	01	0	0	0
Zoology	04	16	20	0	01	01	01	01	02	0	01	01	01	08	09	0	0	0
Grand Total	21	118	139	0	14	14	03	11	14	0	06	06	07	32	39	0	0	0

(ii) Passed

Subject	Total Appeared			SC			ST (P)			ST(H)			OBC/ MOBC			PH		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Assamese	02	21	23	0	04	04	0	02	02	0	0	0	0	03	03	0	0	0
Economics (Arts)	0	09	09	0	0	0	0	01	01	0	0	0	0	04	04	0	0	0
Education	01	17	18	0	01	01	0	02	02	0	0	0	01	06	07	0	0	0
Geography (Arts)	01	05	06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
History	0	01	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Political Science	01	10	11	0	02	02	0	02	02	0	01	01	0	02	02	0	0	0
Economics (Science)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Geography (Science)	01	01	02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zoology	02	14	16	0	01	01	0	01	01	0	01	01	01	07	08	0	0	0
Grand Total	08	78	86	0	08	08	0	08	08	0	02	02	02	22	24	0	0	0

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
47073	26	-	Included under periodicals	5000+ under NLIST	11730

Detail of Teaching Staff as on 31-03-2023

Number of		Total	Number of teachers with					
Assistant Professors	Associate Professors		Ph.D.	MPhil	NET	SLET	D.Lit	D.Sc
51	19	70	50	14	37	21		

Computer and Internet facilities:

- a) Total number of Computers: 146 b) Number of computers with INFLIBNET- NLIST access: 120
c) Number of ICT enabled class room(s) / smart class room (s): 32

Extra-curricular and Co-curricular activities:

- a) No. of N.C.C. Cadets: Boys - 31 ; Girls - 23
b) No. of N.S.S. Volunteers: Total official strength = 100 (50 boys and 50 girls)
(Unofficially actual enrolment is above 200)
c) No. of Scouts & Guides /Rovers /Rangers: NIL
d) Achievements/Awards of students in Regional/National events:
1) One NSS volunteer Arjina Begum participated in Republic Day Parade camp, 2023, New Delhi and she also represented in Y-20 meet at Guwahati.
2) One NSS volunteer Rohan Choudhury participated in high altitude trekking programme at Kedartal, (4912 meters).

Faculty development programmes organized by the college during 2022-23:

- 1) Annual Lecture by Prof. Dhrubajyoti Saharia, G.U. on "River Channel Process".
2) One week workshop on "Basic Training on GIS & RS" for the period of 17/08/2022 to 23/08/2022.

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

- 1) Young Researcher's conference on "Rhetoric of Literacy Interpretations: Text & Context" organized by English department in collaboration with IQAC Pandu College on 22/03/2023.
- 2) Webinar on the topic "Philosophy the Meaning of meaning" was organized by the Department of Philosophy on 8th January 2023, Dr. Shivani Sharma of Punjab University delivered the lecture. The programme was sponsored by 'ICPR'.
- 3) Dr. Pranita Das and Dr. Jayanta Hazarika coordinated – (a) A two day Workshop on Laboratory Practices in Physics on 20/10/2022 and 21/10/2022 ; (b) One day Workshop on "Discovering Science Through Creative Recycling" as a part of National Science Day celebration on 28/02/2023. Organised by the Department of Physics.
- 4) A seven-day long workshop on the topic "Basics in Bioinformatics" was organised by Advances level Biotech Hub, Pandu College in collaboration with Department of Biotechnology, Pandu College, Pandu, Ghy-12. The workshop was sponsored by Department of Biotechnology, Govt. of India.
- 5) Workshop on 'Creative Writing' on 21st March 2023, on the occasion of International Mother tongue day organized by department of Assamese, Pandu College.
- 6) Conducted an International conference on "Emerging Trends in Chemistry" from 16 to 17 March, 2023, in collaboration with Assam Don Bosco University and in association with association of Chemistry teachers.
- 7) Three day Workshop attended by Dr. Pranab Jyoti Narzary, "International Symposium on Multilingualism", organized by EFL University, Shillong campus, from 17 to 19 November, 2022.
- 8) Workshop on 'Art History' was organized by the department of History in collaboration with IQAC on 10/03/2023. Dr. Paromita Das, Professor, History department, Gauhati University was invited as Resource person.
- 9) The department of History in collaboration with IQAC organized a lecture on the topic Bharator Satrantrata Sangram – Ek Paryalosona on 13/05/2022 as part of the Diamond Jubilee Lecture series. Dr. Balmukund Pandey graced the occasion as the invited speaker.
- 10) Workshop on 'Resource Methodology' was organized by the Department of History in collaboration with IQAC on 6/03/2023. Dr, Dipanjali Haloi, Economics department was the resource person.
- 11) An Add on course on Research Methodology was organized by the Department of History in collaboration with IQAC from 6 to 30 March, 2023.
- 12) Two days workshop on disaster management on 17 and 18 March, 2023. Organised by department of geography in collaboration with IQAC, Pandu College and GIS vision India, co-ordinated by Dr. Nirranjan Bhattacharjee.
- 13) Annual Talk Programme, lectured delivered by Dr. Mala Dutta, Associate Professor, Cotton University held on 20th March 2023, participated by the students and teachers.
- 14) Rebecca Kramsapi attended a one day Seminar on Climate change at Raj Bhaban organized by the Government of Assam dated 12/09/2022.
- 15) Dr. Sanchay Jyoti Bora attended One Day hands on Training Program on Sophisticated Instrument Facilities organized by Department of Chemistry, Pandu College on 17/11/2022.

Research Projects (2022-23):

a. Completed

1) Financial support given by Pandu College, Guwahati to the Research Project entitled “Removal of cadmium (II) from aqueous solution using watermelon rind and banana peels as adsorbents” under the guidance of Dr. Gitali Baruah for a duration of six month at a sanctioned amount of 50000 INR.

2) One Research Project completed entitled “Mushroom cultivation: A step Towards Generating Self Employment”. Funded by Pandu College.

b. Ongoing

1) Project of Dr. Jayanta Hazarika entitled “Studies of structural, electrical transport, dielectric relaxation and magnetic properties of conducting polymers-ferrites nanostructures”. Cost: 213000/- INR p.a., duration: 3 years, date of sanction: 30/03/22, funding agencies: UGC-DAE-CSR.

2) 01 DBT-Biotech Hub cum Research Grant, sponsored by DBT, GOI. Principal Investigator: DR. Aniruddha Sarma, sanction amount – 5784720 INR. Research topic: Nutraceutical Analysis of certain edible *Amorphophallus* supply and *citrus grandis* (L). osbeck from Assam

3) 01 SERB-TARE Project on Identifying bacterial wilt resistant/tolerant tomato plant cultivators by selection propagation of young tomato seedlings resistant/tolerant to prior *Ralstonia solanacearum* infection, at a sanctioned amount of 18.3 lakhs, duration of 3 years, Project investigator is Dr. Anjan Barman.

4) Project Title- “Ethnicity and Identity Politics of Major Tribes of Northeast India with special reference to BTAD area of Assam”. Duration: 17/08/2022 to 21/06/2023, financed by Association of Asian Scholars, New Delhi.

5) Teachers Associateship for Research Excellence (TARE) 2022 from SERB, Department of Science and Technology (DST), New Delhi is ongoing (2022-2025) Title “Synthesis and Characterization of Vanadium Oxoperoxo complexes: Mimicking Vanadium Haloperoxidases”.

Academic activities:

a) Publication of research papers in peer reviewed/UGC care list journals during 2022-23.

1) Anup Kr. Das. 2022. “Structures of inherited Trauma & writing The Female self in Jahnvi Barua’s ‘Rebrith’ ” Journal of Literature and Cultural studies – Referred Peer Review – (2348 – 1188) issue: Vol. IX, June 2022.

2) Anup Kr. Das & Dr. Dipendu Das. 2023. “Writing as Political intervention: Andre Brink’s “A Dry White season in Contest”. ‘Literary Voice’ (Carelisted, Web of Science) 2277-4521 20. (1). March, 2023.

3) Jupita Patar. 2022. Sodh Disha: Srimanta Sankardev ki “Kirtan Goxha” Main Nihit Raslila Prasang, P-446 (ISSN0975-735X)

4) Dr. Mayuri Barman, April, 2022. “Arne Naess Reflection of Eco-centrism and Deep Ecology with utilitarian and Deontological Defence against Anthropocentric Theory” Journal of Positive School of Psychology 2022, vol-6 No-3, 8736-8739 (scopus Inden)

5) Dr. Mayuri Barman, October, 2022. “Importance of Philosophical counseling and Positive Perspectives of Palliative care for life threatening illness”. Indian Journal of Applied Research- ISSN – 2249-555X Vol-12, issue-10 UGC Sr No-49333. ‘UGC carelist’.

6) Niraj Sapkota, Rituparna Das, Santonn Savapondit: Application of a Measure of Non compactness in cs-solvability and bs-solvability of an infinite system of differential equations. Springer Proceedings of Complexity, 2022, page 1353-1364. (Conference Paper) (Proceedings of Nonlinear Dynamics and Applications).

7) Dr. Bhaskar Jyoti Hazarika: Meson Masses in a QCD Inspired Approximation Scheme, Few-Body Systems volume 64, Article number: 1 (2023).

8) Dr. Bhaskar Jyoti Hazarika: Airy function, mass spectra and decay constants of pseudo-scalar heavy-flavor mesons at N³LO level in a perturbative approach, International Journal of Modern Physics A Vol. 38, No. 2 (2023) 2350014 (19 pages)

9) Dr. Bhaskar Jyoti Hazarika: Masses and Decay Constants of Heavy-Light and Heavy-Heavy Mesons using Variational method with Three-Loop Effects, Few-Body Syst (2023) 64:26.

10) Dr. Jayanta Hazarika: Structural and electrochemical properties of montmorillonite-poly (ethylene oxide) intercalated nanocomposites for lithium-ion batteries, International Journal of Polymer Analysis and Characterization, Volume 28, 2023- Issue 3.

11) Dr. Jhuma Biswas: Effects of COVID-19 pandemic lockdown: A satellite data-based appraisal of air quality in Guwahati, Assam, Materials Today, 2022.

12) Dr. Tonoy Jyoti Dowerah. 2023. Queerar Dharanabhitik Asamiya Galpa. Satsari 18 (6), 50-52 (ISSN 2319-8893).

13) Gitali Baruah et. al, May 2022. EDTA Functionalized Biogenic Carleon Nanodots as a Fluorescent sensor for Bivalent Metal ions, Res. Jr. of Ageilsci 13(3): 791-797.

14) Gitali Baruah et. al, 2022. Wet air oxidation of phenol on oxides of Fe (III), Mw (IV), Ti (IV) and Goethite, current catalysis 11, 71-81.

15) Gitali Baruah et. al, 2023. Kinetic and equilibrium studies on bioadsorption of copper and lead by water hyacinth (Eichhornia crassipes) plant powder, Vietnam. J.Chem. 64(2), 238-252.

16) Rimki Bhattacharjya et. al, August 2022, Lausone Encepsulated cetyl trimethyl ammonium bromide distinguishing Ascorbic acid and glucose, Bulletin of Environment, pharmacology and life sciences, vol II (9): 95-103 (ISSN 2277-1808)

17) Epsita Medhi and Nabamita Deb. 2022. PSFD-Musa: A data set of banana-plant, stem, fruit, leaf and disease. Data in Brief, 43, 108427. (ISSN: 2352-3409)

18) Dr. Dulumoni Saharia; 2023. Diversity of Honeybees Foraging plants in Nilachal Hill, Kamrup, Assam, Bio gecko, vol 12 (03), 615-622. (ISSN : 2230-5807).

19) Title of the Paper: Diversity of Zooplankton Community of Chatla Floodplain Lake of Barak Valley, Assam, North East India in Relation to Physicochemical Characteristics of Water. International Journal of Food and Nutritional Sciences. ISSN 2320 -7876

20) Title of the Paper: A Study on Traditional Fishing Gears and Fish Capturing Methods Used by The Mising Community of Gohpur Subdivision, Assam 41 A(2); 249-261. Bulletin of Pure and Applied Sciences Zoology (Animal Science),

21) Title of the Paper: Diversity of Macrophytes and Their Ethno-Beneficial uses in the Deepor Beel, Assam, India. (2022) 13 (75): 49741-49747. Indian Journal of Natural Sciences. ISSN: 0976 - 0997

22) Title of the Paper: Role of Medicinal plants in remediation of arsenic – induced toxicity: A mini-review. (2022) 43(6): 36-44. Uttar Pradesh Journal of Zoology. ISSN: 0256-971X (P)

23) Mofidul Hassan & MP Bezbaruah. 2023. Income Inequality: A Cross-States and Cross-Community Analysis. Economic & Political Weekly, 58 (10), March, 44-52, (Scopus-Indexed)(ISSN (Print) - 0012-9976 | ISSN (Online) - 2349-8846). (IF 0.378))

24) Mofidul Hassan & MP Bezbaruah. 2022. Differential Growth Performance of Indian States during 1980-2018: A Club Convergence within Overall Divergence of Per Capita Incomes. Indian Journal of Economics and Development, 18 (3), (WoS, Scopus-Indexed), ((ISSN-2277-5412, E-ISSN- 2322-0430)(IF 0.2))

25) Dipanjali Hali & Sujata Choudhury. 2022. Utilization of Maternal Health Care during Covid-19 during 1980-2018: A Comparison with India and Kerala. Madhya Pradesh Journal of Social Sciences, Vol-27, 138-145 (UGC Care List-I)

26) Bhattacharjee, N. (2022) "Changing land use Pattern of Belseri River Basin of Assam, Using RS and Gis" published in Journal "North East India Social Science and Research". Journal (Peer Reviewed) Vol. 44.1, 44.2 and 4 5.1, 45.2, April and October, 2022, ICSSR, ISSN 0970-7913 Shillong, edited by Sarma, p-69-75.

27) Dutta, M., and Choudhury, S., (2022) "Crop Productivity Zones In Assam: A Geospatial Analysis" published in Journal "North Eastern Geography". Journal (UGC Care Listed) Vol. 42 No. 1 & 2, 2022-2023, ISSN 0973-0915 NEIGS, Gauhati University, pp-78-90.

b) Publication of Chapter(s) in Books during 2022-23 (only those considered for API Score).

1) Jupita Patar published an edited book entitled "Lok Sohitya evam Sanskritu" (Asom Aur Meghalay Bishes) published by Nabagiri path, Chandmari, Guwahati, Assam – 781003, ISBN : 978-93-94334-06-9

2) Dr. Mayuri Barman published a book chapter entitled "Intuition in classical Indian Thought". Edited book: Futuristic Trends in Social Sciences. Vol-2, Book-3 part 2, ISBN-978-93-95632-59-1.

3) Sampa Talukdar published a book chapter entitled A study on the Gender Discrimination in Secondary Education with Special Reference to Assam: Literature, Culture and Society. Edited by Nagi Ahmad John, Abdul Foyes, Md. Malik published by Sarvabhasha Prakashan, New Delhi, ISBN: 978-93-952910-8-8. 2022.

4) Dr. Sanjoy Ch. Das published a book chapter entitled "Deshbhag O Udbastu-jiven: Prasanga Uttar-Purbanchaler Bangla Kavita". Edited by Tapan Mandal, Dipankar Mallick & Tapash Paul, published by Diya publication, Kolkata, ISBN-978-93-92110-48-01. 2022

5) Lotika Saikia published a book chapter entitled "Nimnaleargia Dristikunere Arupa patangia kalitar. Jashnar jhitar upanyashat pratiphatita NArir shashan in: Shatalehisha". Edited by Dr. Bobita Dutta and published by Sarupathar college women cell, ISBN 978-93-5773-908-5.

6) Gitali Baruah published a book chapter entitled 'Prayash'. Pandu college women cell edited by Asha Sarma, ISBN 978-81-922432-7-6.

7) Dr. Pranab Jyoti Narzary published a book chapter entitled "Prayash, Women Empowerment, Environment". Edited by Dr, Asha Sarma, ISBN 978-81-922432-7-6.

8) Sandipan Pathak published a Research article entitled – Hill warfare and the colonial North East Frontier of India: An Analysis, Jnanam, vol-III, Issue-I published by Research cell, Lakhimpur College, ISBN 978-93-93843-20-3.

9) Dr. Aniruddha Kumar Baro published a book chapter entitled “Empowering women: Bodo women at the forefront” in Prayash, Women Empowerment, Environment, edited by Dr, Asha Sarma, Bhabani Offset and Imaging systems, Guwahati, January 2023, ISBN: 978-81-922432-7-6.

10) Dr. Aniruddha Kumar Baro published a book chapter entitled “Governance and Belonging in the Mangins: A centre Periphery Perspective in India’s Northeastern Region” with Pahi Saikia in Manginality in India: Perspectives off Manginalisation from the Northeast, edited by Kedilezo Kikhi and Dharma Rakshit Gautam, Routledge, India, 2023, IP. 158-171, ISBN: 9781003279679.

11) Dr. Asha Sarma published a book chapter entitled “Women Empowerment and skill Development in India” in the book Prayash, Women Empowerment, Environment, published by Women Cell, Pandu College, ISBN: 978-81-922432-7-6.

12) Epsita Medhi published a book chapter entitled Query Processing and optimization. Advanced Database Management system. Edited by Dr. Pranab Das, published by Institute of Distance and open learning, Gauhati University, 2022.

13) S.J. Borah, R.K. Sarma and Purabi Sarmah published a book chapter entitled “Pharmacognosy of Gallic acid and its co-crystals”, (chapter -9) in the Chemistry of Gallic Acid and its role in health and disease. ISBN-979-8-88697-672-4. @ 2023 Nova Science Publishers, Inc.

14) Bhattacharjee. N. and Borah. A. (2023) “Covid-19 and use of Advanced Technology in the Education: Opportunities and constraints in Brahmaputra Valley, “Advanced in Artificial Intelligence, Block Chain Technology and IOT in Higher Education: Mitigating the Impact of Covid-19”.

15) Rebecca Kramsapi published a book chapter in the book – Contemporary Issues in Geography: North-Eastern Perspective, entitled “Analysing Vegetative Cover Using Geospatial Technology of Tinsukia District”.

16) Bora, Sanchay Jyoti., Sarma R. K. and Sarmah, P. (2023). Pharmacognosy of Gallic Acid and Its Co-crystals. The Chemistry of Gallic Acid and Its Role in Health and Disease, NOVA Science Publishers, Inc. USA. (ISBN: 978-8-88697-672-4). Pp. 147-174.

c) Publication of Books during 2022-23 (only those considered for API Score).

1) Dr. Mayuri Barman published a book “Environmental Ethics” by Union Book Publication. ISBN-978-93-94621-39-8, (2022).

2) Dr. Mayuri Barman published a book “Logic” by Union Book Publication, ISBN-978-93-94621-77-0, (September, 2022).

3) Dr. Mayuri Barman published a book on “Analytical and Logical Thinking skills” by Book Rivers. ISBN-978-93-5515-542-9, (2022).

4) Dr. Mayuri Barman published a book “Research Methodology” by Book Rivers, ISBN-978-93-5515-832-1, (16th March, 2023).

5) Dr. Bhaskar Jyoti Hazarika published a book entitled Quantum Mechanics: Concepts and Applications; Mahaveer Publication, August 2022. ISBN: 978-93-94095-49-6.



6) Dr. Bhaskar Jyoti Hazarika published a book entitled Practical Physics: A practical book for B.Sc. Third Semester Physics HC Honours & Regular Courses as per CBCS syllabus Mahaveer Publication, August 2022. ISBN: 978-9394095-61-8.

7) Dr. Bhaskar Jyoti Hazarika published a book entitled Physics Practical for Sem-IV, March 2023, self-publishing with Amazon KDP. ISBN: 979-8-38-658536-5.

8) Dr. Timir Dey edited a literacy Journal name 'JAL SINRI' entitled 'Brahmaputra Upatyakar Bangla Kavita' published by Hritam publications. Guwahati, Assam. ISSN: 2249-7447.

9) Dr. Timir Dey published a book entitled 'Kavi Nilmani Phookan' an essay published by Hritam publications. Guwahati, Assam.

10) Dr. Timir Dey published a book entitled 'Dashti Asomiya Chotogolpo', (second edition) a collection of Assamese short stories into Bengali, published by Vicky publishers, Guwahati, Assam.

11) "Essentials of Green Chemistry" by Rituparna Borah. KPPS 36206 05 S-37297 07.

12) Dr. Asha Sarma edited the book "Prayash, Women Empowerment, Environment", published by Women Cell, Pandu College, ISBN: 978-81-922432-7-6.

13) Dr. Niranjana Bhattacharjee edited the book "Uttar Pub Bharat ka Jhalak" the book published by Punaruthan Publication, (Bharatiya Sikshan Mandal), released at Kanpur.

14) Bora, Sanchay Jyoti and Sarmah, P. Analytical Methods in Chemistry, 1st Edn, 2022, Vishal Publishing & Co., Jalandhar, Punjab.

d) Details of Books and Journals published by the College during 2022-23:

1) "Prayash, Women Empowerment, Environment", published by Women Cell, Pandu College, ISBN: 978-81-922432-7-6. Edited by Dr. Asha Sarma.

e) Details of papers presented by the teachers during 2022-23:

1) Dr. Mayuri Barman presented a paper on "Man's Transformation from Egocentrism to Ecocentrism in 41st World Conference on Applied Science on 24th and 25th August 2022, organised by Institute for Engineering Research and Publication (IFERP).

2) Dr. Mayuri Barman presented a paper on "A need of Philosophical Counseling and Palliative Care for Life Threatening Illness" (RICMMHS) IN Internal Conference on Medical, Medicine and Health Science on 4th and 5th September 2022, organised by Research Conference.

3) Dr. Mayuri Barman presented a paper on "Man's Transformation to Eco-centrism influence Human-Environment Relationship and Transformation from 'G to C' in developing Ecological Consciousness and Self-Realization" in International Conference on Globalization and Emergence of a New World Order: Theoretical Formulations & Empirical Reality on 20-24 November 2022, organised by Sociology of Communication, Centre for studies in Science Policy, JNU, New Delhi. Global Research and Educational Foundation of India (GREFI).

4) Dr. Jhuma Biswas presented a paper on "Changes in land use and its impact on air quality: A study in Guwahati city", in the National Seminar on Environmental Protection, Conversation and Sustainability, organised by ECO Club Jagannath Barooah College (Autonomous), Jorhat, Assam, 16th March, 2023.

5) Dr. Jhuma Biswas presented a paper on "Temporal variations in Black Carbon aerosols over Guwahati, Northeast India" in the XIII Biennial National Conference of Physics Academy of North East (PANE-2022), organised by Manipur University, Imphal, India, 8 to 10 November, 2022.

6) Dr. Pranita Das presented a paper on "Study of X-ray emission from Magnetic White Dwarf" in the XIII Biennial National Conference of Physics Academy of North East (PANE-2022), organised by Manipur University, Imphal, India, 8 to 10 November, 2022.

7) Dr. Jayanta Hazarika: Poster presentation at the International Conference on 'Emerging Trends in Chemistry' organised by the department of Chemistry Assam Don Bosco University in collaboration with the department of Chemistry, Pandu College held on 16 to 17 March, 2023.

8) Dr. Sanjoy Chandra Das presented a paper on "The unsung Heroes of Freedom struggle of India with special reference to Northern Bank of Brahmaputra" in the National seminar organised by ICHR (sponsored) & department of History, Political Science and Philosophy, Kokrajhar Government College, from 6 to 7 June. 2022.

9) Dr. Sanjoy Chandra Das presented a paper on "Uttar-Purber Bangla Kavita Desh-Bhag-Deshtyag: Badonar Smiti-Mala" in the International seminar on partition of Bengali, Diaspora and Rehabilitation: Re-synthesizing of cultural world view as reflected in literature and culture 2022, organised by department of Bengali, Assam University, 22 to 23 September, 2022.

10) Ankur Jyoti Talukdar presented a paper on "Language contact situation in Assam-Bhutan border and the rise of an early pidgin in the border markets" in the International conference of Linguistic society of India – 44 organised by LSI and CUTM, Odisha from 24 to 26 November, 2022.

11) Dr. Biswajita Baruah presented a paper on "Catalyst-free domino Knoevenagel-Michael addition involving barbituric acid, aldehyde and substituted aniline" in the International conference on "Emerging Trends in Chemistry" from 16 to 17 March 2023, organized jointly by Pandu College and Assam Don Bosco University.

12) Dr. Rimki Bhattacharjya presented a paper on "Cetyl trimethyl ammonium bromide Encapsulated Thiazine dyes sensor for Dopamine" in the International conference on "Emerging Trends in Chemistry" from 16 to 17 March 2023, organized jointly by Pandu College and Assam Don Bosco University.

13) Dipanjali Haloi presented a paper on "Utilization of Maternal Health Care during COVID-19 in Assam: A Comparison with India and Kerala" in the 43rd Annual Conference of The Indian association for the Study of Mohonlal Sukhadia University, Udaipur, Rajasthan from 1-3 December, 2022.

14) Dipanjali Haloi presented a paper on "E- Resources –A boon for Higher Education in India" in NAAC sponsored National Conference organized by Pandu College on 25th February, 2023.

15) Sahil Choudhury presented a paper titled "Agriculture Productivity Zones of Assam: A Geographical Analysis" in an International Seminar "Sustainability, Future Earth and Humanities: Opportunities and Challenges" held on 24th and 25th November, 2022 at Central University of Haryana, organized by IGU in collaboration with Department of Geography, Central University of Haryana, Mahendragarh, India.

16) Sahil Choudhury presented a paper titled “ Prioritization and Mapping of Soil Erosion Prone sites of Majuli Island using the Revised Universal Soil Loss Equation (RUSLE) Model” in a National Seminar “In Quest of A Sustainable Earth” held on 24th and 25th March, 2023 at Sibsagar Girls’ College, organized by Department of Geography, Sibsagar Girls’ College, Sivasagar, Assam sponsored by ICSSR.

f) Refresher Course/Orientation Course/Short Term Course/Faculty Development Programme/Faculty Induction Programme attended by the teachers during the 2022-23:

1) Dr. Barnali Thakuria attended a Faculty Induction Programme organised by the Human Resource Development Centre, Mizoram University from 02 to 29 November, 2022.

2) Dr. Chikhla Jun Gogoi attended a Faculty Induction Programme organised by the Human Resource Development Centre, University of Rajasthan, Jaipur from 9th January to 7th February, 2023.

3) Dr. Rituparna Das attended a UGC sponsored Online Refresher course in Mathematics organised by HRDC, Pondicherry University from 07 to 20 July, 2022.

4) Dr. Jhuma Biswas attended Short term course on “Design and Development of Online Courses” from 6 to 11 June, 2022 under UGC-HRDC, Mumbai University.

5) Dr. Jayanta Hazarika attended RC on Interdisciplinary Refresher Course on Academic Writing and Research”, organised by the Teaching Learning Centre, Tezpur University, 16 to 30 May, 2022.

6) Darsana Changkakoti attended UGC-sponsored Guru-Dakshta Faculty Induction Programme (FIP-06) – online mode organised by Human Resource Development Centre, Gauhati University from 27th June to 29th July 2022.

7) Darsana Changkakaoti attended an online one week Faculty Development Programme on “Blended Learning: Concepts and Tools” from 29th March to 4th April 2023, organised by Ramanujan College, University of Delhi in collaboration with department of Education, Rangia College.

8) Sampa Talukdar attended UGC-sponsored Guru-Dakshta Faculty Induction Programme (FIP-07) online mode organised by Human Resource Development Centre, Gauhati University from 21st November to 24th December 2022.

9) Sampa Talukdar attended an online 8 day Faculty Development Programme on “Philosophical Foundations of Personal and Professional Development of Teachers” on 6th, 7th, 13th, 14th, 20th, 21st, 27th, 28th, January 2023, organised by IQAC. NEHU, department of Philosophy and IQAC Moran College and department of phy SVU, Andhra Pradesh, India.

10) Dr. Sanjoy Chandra Das attended a refresher course (online) on Bengali Literature organised by Human Resource Development Centre, Calcutta University from 3 to 16 January 2023.

11) Ankur Jyoti Talukdar attended a Refresher course on Translation studies organized by Human Resource Development Centre, Gauhati University from 1 to 21 February, 2023.

12) Faculty Development Program on “Safer and Greener Chemistry Lab” from 19 to 25 July 2022.

13) Dr. Maina Borah attended a Refresher Course in Botany from 18/02/2023 to 4/03/2023, organized by TLC, Ramanujan College, University of Delhi.

14) Dr. Maina Borah attended a FDP on "Advanced Pedagogical Techniques" from 22-28 April, 2022 organised by TLC, Ramanujan College, University of Delhi.

15) Mofidul Hassan attended a Summer School on Econometrics and Machine Learning held on 7-11 June, 2022 Organised by Indira Gandhi Institute of Development Research (IGIDR), Mumbai.

16) Dr. Niranjana Bhattacharjee attended 2 days International seminar "Land use pattern in Churachandpur district, Assam" paper presented in an International seminar "Environment management and society in India with special focus on North east India" held on 8 and 9 December, 2022 at Don Bosco Institute of Management, organized by ICSSR in collaboration with Don Bosco Institute of Management and Arya Vidyapeeth College, Assam

17) Dr. Niranjana Bhattacharjee attended 2 days seminar "Flood as a constrain on Agricultural production of Marigaon district, Assam". Paper presented in the seminar on Human Population, land use, biodiversity and climate change, held on 12 and 13 August, 2022 at Nazira College.

18) Sahil Choudhury attended two days workshop entitled "Disaster Management: Application of Remote Sensing & GIS" as a Resource Person held on 17th and 18th March, 2023 organized by Department of Geography, Pandu College and IQAC, Pandu College in association with GIS Vision India.

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

1) Dr. Mayuri Barman received two awards – (a) Excellence in Research, 19th September 2022 and (b) Research Excellence Award 2022-23 from Institute of Scholars for the work – "Integrating Applied Ethics with its Bio-ethical issues and life in the womb".

2) Dr. Jhuma Biswas has won the Summer Research Fellow 2022 by Indian Academy of Science.


Patents (2022-23): NIL

Teachers Visited abroad during 2022-2023: NIL

Hostel facilities:	No. of Boys Hostel: 52	Total Seats: 60
	No. of Girls Hostel: 106	Total seats: 106

Sports facilities:	Gymnasium room, Volleyball playground.
Auditorium/ Seminar/Conference Room:	Two digital classrooms, One conference room
Specialized laboratory/ studio/ facility:	One language Lab.
Augmentation of infrastructural facilities during the period 2022-2023:	1) The construction of the third floor Assam type building classrooms, deep tube well, rain water harvesting.
Technology up gradation during the period 2022-2023:	College software updated, Amtron wifi.
Financial aid to students during the period 2022-2023:	
Activities of the student counseling and Guidance Cell during the period (in brief)	1) Awareness Programme on the Effects of sexual Abuse and Menstrual Hygiene 2) Gender Sensitization Awareness Program for students organized by women Cell, Pandu College.
Placement of students (in brief):	
Activities of Alumni Association during 2022-2023:	Installed five smart overhead projectors in different departments catering to the need for digital classroom

	facility. This was formally inaugurated during the Diamond Jubilee celebration by Dr. Himanta Biswa Sarma.
Community Outreach Programme during 2022-2023:	<p>1) Celebration of 75th Years of Independence "AzadiKaAmritMahotsav" HAR GHAR TIRANGA.</p> <p>2) Community Awareness programme with Ward Councillor and MahilaSamittee of Pandu Area for All round development of the locality dated 5th November, 2022.</p> <p>3) A community awareness programme on prohibition of child marriage was conducted by IQAC Pandu College in collaboration with Kamrupa Welfare Organization at Pandughat Area on 25th February, 2023.</p> <p>4) The Community Club, pandu college with the help of undergraduate students has organized a day-long interaction programme on 26th April, 2022 with the students of different neighbouring schools as a part of extension activity.</p> <p>5) The Environment Awariness club of Pandu College organized a community awareness programme on the eve of World Environment day, 2022. The programme was organized in ward no. 3, colony No. 6 at Pandu, Guwahati</p> <p>6) Free health checkup camp and awareness programme in Collaboration with Lotory Club Guwahati South at Dhantola Village Bijoy Nagar on 4th March, 2023</p> <p>7) Awareness Campain against Substance Abuse was organized by NSS unit of Pandu College at Dhantola Village on 4th March, 2023.</p>
Any other relevant information:	


 Principal
 Pandu College
 Principal
 PANDU COLLEGE, PANDU
 Guwahati-12, Assam

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

