



B.P. CHALIHA COLLEGE

Criteria: 3.2.1

Supporting Documents



Submitted to

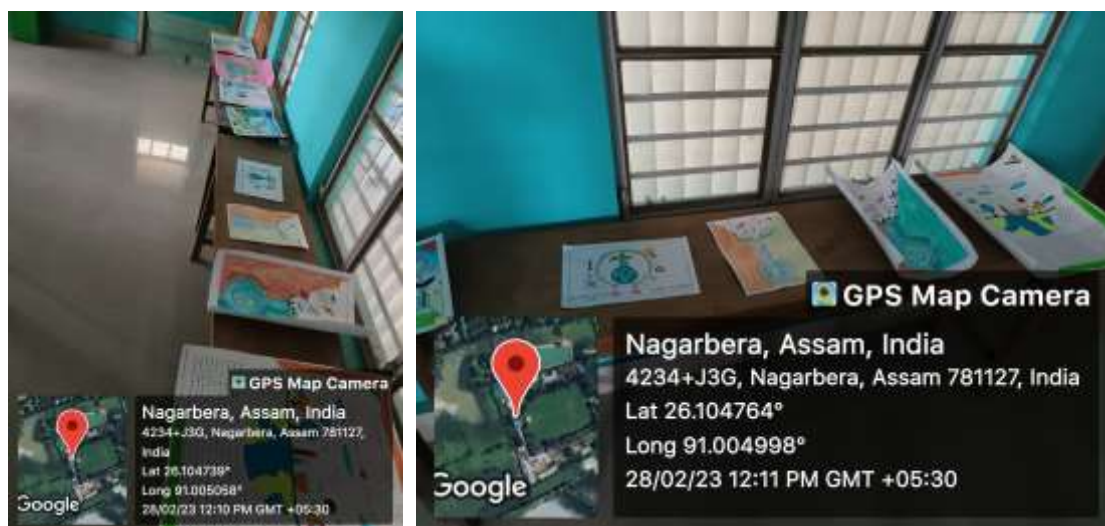


National Assessment and Accreditation Council

3.2.1 Activities on “Ecosystem for Innovation and Outcomes”

1. Poster competition

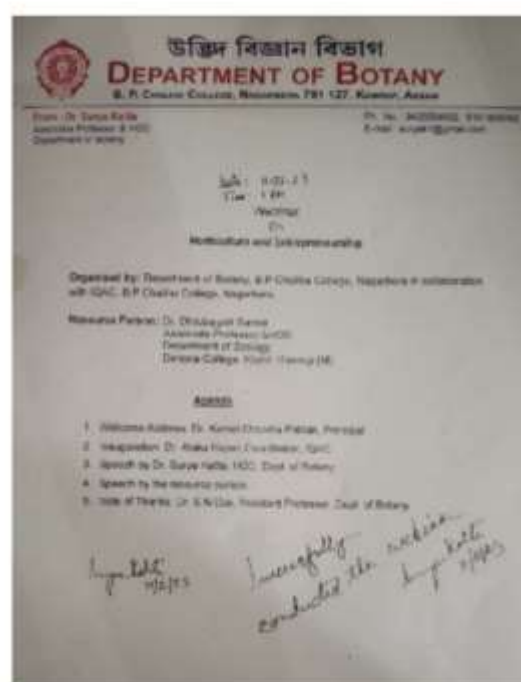
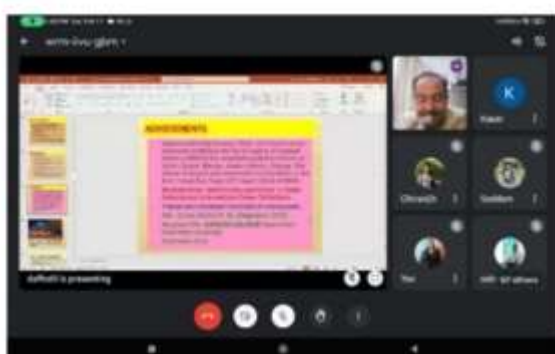
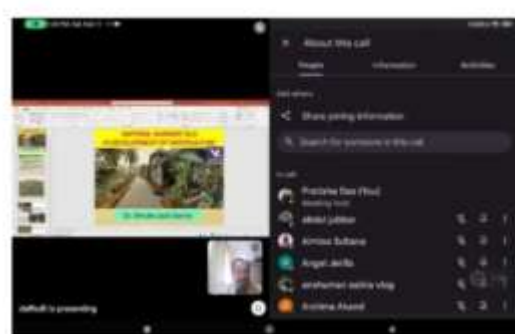
The Science Forum and Eco Club of B. P. Chaliha College celebrated National Science Day, on 28/02/2023 (Tuesday). This day is celebrated to mark the invention of the Raman Effect. The day is celebrated to encourage youth to understand the aspects of science and develop an interest in it. An innovative poster competition was organized among the school students in Nagarbera. The topic of the poster was “Global Science for Global Wellbeing”.



The key outcome of the activity: This type of activity helps students to apply scientific knowledge in day-to-day life. This program motivated the young minds to apply their innovation for the development of society.

2. Webinar on “Horticulture and Entrepreneurship”

Recently A webinar was organised by the Department on Botany in collaboration with the IQAC of B. P. Chaliha College. The topic of the webinar was ‘Horticulture and entrepreneurship’. Dr. Dhrubajyoti Sharma, Associate Professor, HOD, Dept. of Zoology, Dimoria College was invited as the resource person. The session was started with the welcome speech by the principal, Dr. Kamal Ch. Pathak, which was followed by inauguration of the meeting by Dr. Alaka Huzuri, Co-ordinator, IQAC. The resource person was introduced to the attendees by the HOD of Dept of Botany, Dr. Surya Kalita. The webinar went for about an hour, where the invited lecturer gave his speech on different horticultural product and the business opportunities residing on horticultural platform. The webinar was a great success with participation of more than 60 students, faculties, and an interactive session followed by vote of thanks delivered by Dr. S. N. Das, assistant professor, dept. of Botany, B. P. Chaliha College. Date: 11/02/2023



Key Outcome of the program: This webinar helps the participants understand the basic concepts of Horticulture as well as the Entrepreneurial Opportunities in Horticulture at the current time.

3. Celebration of “ World Soil Day” on 05/12/2019

The Biotech hub of B P Chaliha College celebrated “ World Soil Day” on 5th December 2019 at the seminar hall sponsored by DBT, Govt. of India. The resource person Dr. D.N. Kalita, Programme Coordinator KVK Kahikuchi gave a lecture on the topic Stop soil erosion and save our future.



Key outcomes of the activity: The outcomes of the program would ideally lead to a more informed and proactive approach to soil conservation securing a sustainable future.

4. Workshops on “Mushroom Cultivation”

A workshop on the ‘Mushroom Cultivation Technique’ was organized by the Department of Botany, B.P. Chaliha College, Nagarbera, Kamrup on 8-10th Dec 2023 under the guidance of Dr. Kamal Ch. Pathak, Principal of the College. The program was held in collaboration with the Department of Botany, B.P.Chaliha College, sponsored by DBT, Govt. of India. The coordinator of the Biotech Hub Chiranjib Mili stated the objective of the meeting, which was chaired by Dr. S.N. Das, Head of the Department. The resource person Prof. Sandeep Das from the Department of Biotechnology, Bodoland University gave a lecture on this topic and also trained the students for mushroom cultivation.



Key outcomes of the activity: The students and technical staff of the Biotech hub were able to learn the techniques for mushroom production. The students are successful in the Production of oyster mushrooms in our college.

5. Hands-on training on “Basic Instrumentation of Microbial Biotechnology”

Five-day Hands-on training on “Basic Instrumentation of Microbial Biotechnology” was organized on 26 -30th March 2024 in collaboration with the Department of Botany, B.P. Chaliha College. The program was inaugurated by the principal who delivered a warm welcome speech. Resource persons were Prof. Kumanand Tayung, Department of Botany, Gauhati University, and Subham Roy, Research Scholar, Gauhati University. A total number of 47 students participated in the program.



Key outcomes of the activity: The undergraduate students benefited from this training program. They learned about different instruments used in Microbial biotechnology which will help them in the future.

6. Participation in 31st National Children Science Congress, 2023

Biotech hub (phase-II) catalyzed two students (Higher Secondary level) of B. P. Chaliha College at the 31st National Children Science Congress (NSSC) and the students were selected for state-level NCSC that was held in Haflong, Dima-Hasao (2023).



Key outcomes of the activity: Two students from Higher secondary first-year classes of our college were selected for the state-level NCSC that was held in Haflong, Dima-Hasao (2023).

7. Awareness Programmes on 'Eco-friendly farming'

The Biotech hub and faculty members of different science departments of BP Chaliha College organized an awareness program on 'Eco-friendly farming' in village 44 No. Bhakuradiya-Rangeswari Gaon panchayat on 28/09/23.



Key outcomes of the activity: sEco-friendly farming aims to balance agricultural productivity with environmental stewardship, ensuring long-term sustainability for future generations.

8. Outreach Activities: Invited talk on ‘Basic biotechnological tools’

Mr. Chhan Kr. Kalita, Technical Assistant, Bio-Tech Hub, B.P. Chaliha College gave an Invited talk on ‘Basic biotechnological tools’ at Champupara HS School, Boko, Kamrup, Assam on 08/08/2023.



Key outcomes of the activity: The school students benefited and learned different types of basic tools and instruments used in Biotechnology.

9. Outreach Activities: A talk on “Chromosome-a detailed account”

A talk on “Chromosome-a detailed account” was carried out at Nagarbera Higher Secondary School, Nagarbera, Kamrup, Assam on 21st July and 22nd July 2023. The talk was delivered by Dr. Surya Kalita, Associate Professor Department of Botany, B P Chaliha College.



Key outcomes of the activity: The school students learned about chromosomes, their activities in the human body as well as their structure.

10. Workshop on “UV-VIS SPECTROPHOTOMETRY”

A workshop on UV-Vis Spectrophotometry was arranged on 10th November, 2023 to enhance the practical knowledge on OD reading of samples. The programme was successfully conducted by the resource person Dr. Manash Jyoti Deka, Department of Chemistry, B.P.Chaliha College, Nagarbera. A total number of 09 participants participated in the program.



Key outcomes of the activity: The undergraduate students learned about how to operate the UV–visible spectrophotometer and the basic principle of this spectrophotometer for material characterization.

11. Lecture on “Agricultural- Allied Activities: An avenue for Entrepreneurship Development”

Lecture on “Agricultural- Allied Activities: An Avenue for Entrepreneurship Development” delivered by Dr. H.K. Bhattacharyya, Chief Scientist, Zonal Research Station, Assam Agricultural University. This program was organized jointly by the Department of Economics and Commerce of B P Chaliha College on 27/09/2023.



Key outcomes of the activity: These activities often provide additional income streams and support the primary agricultural operations. This program on allied activities not only diversifies income sources for farmers but also contributes to the overall resilience and sustainability of agricultural systems.

12. Celebration of National Science Day on 28th February, 2023

The **Science Forum**, B. P. Chaliha College celebrated National Science Day, 2023 in collaboration with **Eco Club** on 28/02/2023 (Tuesday). This day is celebrated to mark the invention of the Raman Effect. The day is celebrated to encourage youth to understand the aspects of science and develop an interest in it. This special day is celebrated every year in our college to pay tribute to Dr C. V. Raman for his contribution that awarded him the 1930 Nobel Prize in Physics.

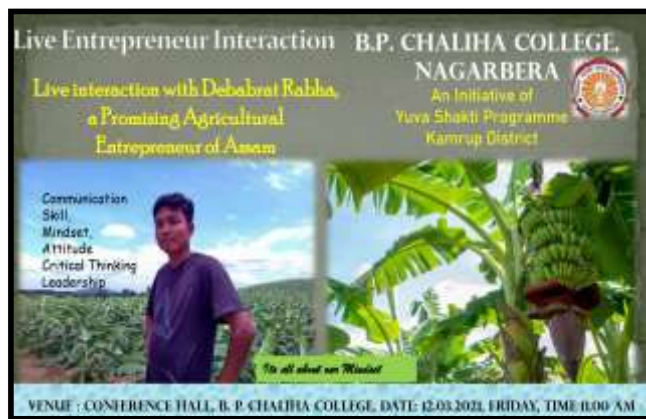


Key outcomes of the activity: To develop an interest in scientific hobbies among the students. To encourage individual and group activities among the students. Awareness program on Environmental issues.

13. Entrepreneur interaction on “Banana cultivation and trade” on 12/03/2021

Under the “Yuva Shakti Program”, Govt of India, the B.P.Chaliha College organized a workshop on “Banana cultivation and trade” on 12/03/2021. The resource person was


Debabrata Rabha, a Banana Entrepreneur from Darrangirri, Goalpara, Assam. Darrangiri is regarded as Asia's largest Banana Market.



Key outcomes of the activity: The students and faculty members benefited from this program and learned about market demand, job creation, and export potential of Banana cultivation.

3.2.1 Activities on IPR

The innovation and incubation centre Committee

 Office of the Principal & Secretary
B.P. CHALIHA COLLEGE, NAGARBERA
P.O : NAGARBERA
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Cell : 9613310707 | Fax: 03623-245001
E-mail: bpccnagarbera1972@gmail.com
Web: www.bpchalihacollege.org

Memo No. : _____ Date: _____

From :
Dr. Kamal Chandra Pathak, M.A. (G.U.), Ph.D (NBU), D.Litt (UCA)
Principal/Secretary
B. P. Chaliha College, Nagarbera

Notice

The Innovation and Incubation Centre Committee has been constituted with the following members. The members are requested to do the needful for the same.

Chairman : Dr Kamal Chandra Pathak, Principal
Vice Chairman : Prof Arun Kr Sarkar, Coordinator, IQAC
Covenor : Dr Manash Jyoti Deka
Jt Convenor : Dr Deepjyoti Borgohain
Members : Prof Sukumar Dewan
: Dr Trailokya Deka
: Dr Sibani Mazumdar
: Dr Chiranjib Mili
: Prof Sochin Boro Choudhury
: Dr Biman Lahkar
: ~~Prof Prateesha Das~~ Prateesha Das
: Dr Chahana Saikia

Bearer : Bhargab Thakuria

Copy to: Coordinator, IQAC
Office File

(Dr Kamal Ch Pathak)
Principal, B. P. Chaliha College

Principal
B.P. Chaliha College
Nagarbera

IPR Cell members



Office of the Principal & Secretary
B.P. CHALIHA COLLEGE, NAGARBERA

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Phone : 03623-245001
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E-mail: bpccnagarbera1972@gmail.com
Web: www.bpchalihacollege.org

Memo No.:

Date: 29-05-2023

From :

Dr. Kamal Chandra Pathak, M.A.(G.U.), Ph.D (NBU), D.Litt (UCA)

Principal/Secretary

B. P. Chaliha College, Nagarbera

Notice

I have the pleasure to constitute the IPR Cell of the college with the following members mentioned below. The members are requested to take charge immediately and do the needful.

Sl No	Name	Portfolio	Signature
1	Dr Kamal Chandra Pathak, Principal	Chairman	
2	Arun Kr Sarkar, Coordinator, IQAC	Vice chairman	
3	Dr Trailokya Deka	Convener	
4	Dr J R Shaikh	Member	
5	Dr Manash Jyoti Deka	Member	
6	Pratisha Das	Member	

Copy to:

- 1) IQAC
- 2) Office file

(Dr Kamal Ch Pathak)
Principal

2023/05/11 4:55

1. Training Programme on IPR

A training programme on Intellectual Property Rights (IPR) was organized by the Research, innovation and extension sub-committee under IQAC, BPCC on 30/11/2023. The programme was held in collaboration with DPIIT-IPR chair, National law University and Judicial Academy, Guwahati. Intellectual Property Rights (IPR) are legal protections granted to the creators and owners of intellectual property, which can include inventions, literary and artistic works, designs, symbols, names, and images used in commerce. IPR aims to encourage innovation and creativity by ensuring that creators can reap the benefits of their work.



2. One patent granted (Indian)

Title: "A process for preparation of activated carbon from tea waste"

Grant Date 23/09/2021

Patent No 377645

Inventor: Dr Manash Jyoti Deka, Department of Chemistry, B P Chaliha College

Description: A process for the preparation of activated carbon from tea waste applying banana plant extract as an activating agent comprising: a) washing tea wastes with distilled water to remove the water-soluble impurities and surface adhered particles,
b) Drying in an oven at about 600 C to remove moisture and volatile impurities,
c) Grinding dried materials to a fine powder and making a fine powder of uniform size,
d) Impregnating the carbon precursor with 1 mg mL^{-1} of banana extract for sufficient duration, with occasional stirring,

e) Placing the impregnated carbon precursors in a horizontal temperature programmable furnace for thermal treatment at a high temperature. f) Cooling down to normal temperature, washing the carbonized sample to obtain activated carbon.

Patent Certificate



भारत सरकार
GOVERNMENT OF INDIA

एकसूत्र कार्यालय / THE PATENT OFFICE
भौतिक सम्पदा भवन / I.P.O. BUILDING
सी.पी. 2, सेक्टर V/ CP-2, Sector V,
साल्ट लेक सिटी/Salt Lake City
कोलकाता/ Kolkata- 700091
दूरभाष / Tel. No.: (033)(033)223679101
फैक्स / Fax : 033- 23671988
ई मेल / Email : kolkata-patent@nic.in
वेबसाइट / Website: <http://ipindia.nic.in>

सं. \ No. 201831050065

दिनांक \ Dated the 23/09/2021

सेवा में, \ To :

Address of Service:- seenergi IPR, 7K, TANGRA 2ND LANE KOLKATA - 700 046, INDIA

Email Id:- mail@seenergi.com

विषय :- पेटेंट आवेदन संख्या 201831050065 के संबंध में अधिनियम की धारा 43 के तहत पेटेंट अनुदान तथा पेटेंट रजिस्टर में प्रविष्टि की सूचना
Sub :- Intimation of the grant and recordal of patent under section 43 of the Act in respect of patent application no. 201831050065

महोदय/महोदया,
Sir/Madam,

आपको सूचित किया जाता है कि पेटेंट अधिनियम, 1970 की धारा 12 व 13 तथा उस आधार पर बने नियम के तहत उपर्युक्त पेटेंट आवेदन के परीक्षण [ब 21/07/2020 को हुई सुनवाई] के उपरान्त एतद्वारा पेटेंट अनुदान किया जाता है। तथा पेटेंट अनुदान की प्रविष्टि 23/09/2021 को पेटेंट रजिस्टर में कर दी गयी है।

This is to Inform you that following the examination of above mentioned patent application under section 12 and 13 of The Patents Act, 1970 and Rules made thereunder [and hearing held on 21/07/2020] a patent is hereby granted and recorded in the Register of Patents on the 23/09/2021. The Patent Certificate is enclosed herewith.

पेटेंट संख्या \ Patent No	: 377645
आवेदक का नाम \ Name Of Applicant	: 1.TALUKDAR, NARAYAN CHANDRA 2.CHOWDHURY, DEVASISH 3.DEKA, MANASH JYOTI 4.MEDHI, OKHIL KUMAR
पेटेंट दिनांक \ Date of Patent	: 31/12/2018
पूर्विकता तिथि \ Priority Date	: 31/12/2018
परीक्षण हेतु अनुरोध दाखिल करने की तिथि \ Filing date of Request for examination	: 31/12/2018
शीर्षक \ Title	: A PROCESS FOR PREPARATION OF ACTIVATED CARBON FROM TEA WASTE
दावों की संख्या \ Number of claims	: 4

उपर्युक्त पेटेंट के अनुदान का प्रकाशन अधिनियम की धारा 43 के तहत पेटेंट कार्यालय के आधिकारिक जर्नल में किया जाएगा।
The grant of above mentioned patent will be published in the Official Journal of the patent Office under section 43 of the Act.

पेटेंट अधिनियम 1970 यथा संशोधित पेटेंट (संशोधन) नियम, 2005/ पेटेंट नियम, 2003 यथा संशोधित पेटेंट (संशोधन) नियम, 2016 की धारा 142 की उप-धारा (4) के प्रावधानों के तहत उपरोक्त प्रविष्टि की तिथि से 3 माह के भीतर इस कार्यालय में नवीकरण शुल्क जमा किया जाना चाहिए।

The payment of renewal fee is required to be made at this office within three(3) months from the aforesaid date of recording according to the proviso in sub-section(4) of Section 142 of The Patents Act,1970, as amended by The Patents (Amendment) Act, 2005 / The Patents Rules, 2003 as amended by The Patents (Amendment) Rules, 2016.

Dr. Bindhu Jacob

(नियंत्रक पेटेंट)

Controller of Patents

टिप्पणी / Note :

1. संशोधित नवीकरण शुल्क हेतु कृपया महानियंत्रक पेटेंट, अधिकार एवं व्यापार चिह्न की आधिकारिक वेबसाइट www.ipindia.gov.in पर उपलब्ध पेटेंट (संशोधन) नियम 2016 की प्रथम अनुसूची (शुल्क) देखें।

For revised renewal fees kindly refer to the First Schedule (fees) of The Patents (Amendment) Rules 2016 available on the official website of Controller General of Patents, Designs and Trade Marks www.ipindia.gov.in

2. कार्यालय द्वारा पेटेंट प्रमाणपत्र की कोई भी कॉपी प्रति अलग से जारी नहीं की जाएगी।

No hard copy of Patent Certificate shall be issued separately by the office.

3.2.1 Activities on Indian Knowledge System (IKS) and Outcomes

1. Establishment of Non-Formal Sanskrit Education Centre

A centre of Non-Formal Sanskrit Education of Central Sanskrit University (Formerly Rashtriya Sanskrit Sansthan, Deemed to be University) under Ministry of Education, Govt. of India is established in B. P. Chaliha College on 31.10.2022. Non-Formal Sanskrit Education Centre B. P. Chaliha College is one of the 200 Centres of Central Sanskrit University all over India. Authorised officer of this Centre is Dr. Kamal Chandra Pathak (Principal of B. P. Chaliha College); Name of the Coordinator is Bidyut Dutta (Assistant Professor & HOD of the Department of Assamese) and Name of the appointed Teacher is Dr. Lakshman Roy.

ABOUT THE CENTRAL SANSKRIT UNIVERSITY, NEW DELHI

To develop and promote Sanskrit all over the country and abroad, the Government of India constituted a Central Sanskrit Board which recommended the establishment of Rashtriya Sanskrit Sansthan on 15th October 1970 as an autonomous organization. In 2002, the Sansthan was declared as a Deemed University by Ministry of Human Resource Development on the recommendation of University Grant Commission. The Non formal Sanskrit Education scheme was launched for those who desires to learn this great language in the non-formal educational path. This scheme was established to ensure that large number of people can learn the language.

OBJECTIVES:

(i) Sanskrit is a Scientific Language. There are so many treatises related to Agriculture, Arts, Literature, Science, Philosophy, Management, Technology, Ayurveda, Law etc are well preserved in Sanskrit.

(ii) One can access the scientific knowledge inherited in Sanskrit literature by learning the language through direct communicative method at Non-Formal Sanskrit Education Centre.

AIMS

(I) To initiate Sanskrit learning.

(II) To introduce science and literature in Sanskrit Language.

(III) To get a working knowledge in illustrious Sanskrit, the Scientific Language of the world.

(IV) This course will provide the basic knowledge for higher studies in

Sanskrit/Yoga/Ayurveda/various Distance Education Programmes of Central Sanskrit University.

Enrolled students list

SL	FORM NUMBER	PROGRAMME NAME	ORDER ID	TRANSACTION ID	BANK REFERENCE NUMBER	AMOUNT PAID	NAME OF THE APPLICANT	DATE OF BIRTH	NAME OF FATHER
1	CSU22012103	CERTIFICATE COURSE	28864	XUR30899015576	UR3	500	# AHAD UDDIN		AMJAD ALI
2	CSU22012135	CERTIFICATE COURSE	28927	XUR30900595727	UR3	500	# BHUPALI TALUKDAR		HRISHKESH TALUKDAR
3	CSU22012680	CERTIFICATE COURSE	29991	XUR30914477272	UR3	500	# BHUSHITA PATOWARI		PABITRA NARAYAN PATOWARI
4	CSU22011144	CERTIFICATE COURSE	29924	XUR30913794870	UR3	500	# BIDYUT DUTTA		DULAL DUTTA
5	CSU22012653	CERTIFICATE COURSE	29919	XUR30913758374	UR3	500	# BIKRAM BARMAN		ANANDA BARMAN
6	CSU22012640	CERTIFICATE COURSE	29902	XUR30913660181	UR3	500	# DIGANTA DAS		BIJOY KRISHNA DAS
7	CSU22012644	CERTIFICATE COURSE	29908	XUR30913705487	UR3	500	# HANIF ALI		SAMSUL HOQUE
8	CSU22012053	CERTIFICATE COURSE	28715	XUR30896880933	UR3	500	# HIMASHREE KALITA		DHARMESWAR KALITA
9	CSU22012055	CERTIFICATE COURSE	28726	XUR30896942049	UR3	500	# IRA DAS		HARMOHAN DAS
10	CSU22012682	CERTIFICATE COURSE	29993	XUR30914490353	UR3	500	# JYOTIRMITA MEDHI		RABEN MEDHI
11	CSU22012650	CERTIFICATE COURSE	29916	XUR30913737343	UR3	500	# LINA NATH		OLIP NATH
12	CSU22012647	CERTIFICATE COURSE	29912	XUR30913720973	UR3	500	# MANISHA DAS		PRABIN DAS
13	CSU22012104	CERTIFICATE COURSE	28867	XUR30899044766	UR3	500	# MONIKA SAHA		CHANDAN SAHA
14	CSU22012051	CERTIFICATE COURSE	28713	XUR30896815588	UR3	500	# PARISMITA DAS		BIPUL DAS
15	CSU22012637	CERTIFICATE COURSE	29899	XUR30913642171	UR3	500	# REEMA DAS		KSHIROD CH DAS
16	CSU22011054	CERTIFICATE COURSE	29928	XUR30913806548	UR3	500	# RUMI DAS		OHIREN DAS
17	CSU22012679	CERTIFICATE COURSE	29987	XUR30914458369	UR3	500	# SAFIQUL ALI		LOKMAN ALI
18	CSU22012642	CERTIFICATE COURSE	29903	XUR30913678538	UR3	500	# SAKI RABHA		BABUL RABHA
19	CSU22012134	CERTIFICATE COURSE	28924	XUR30900575400	UR3	500	# SAURAV KUMAR DAS		SARAT CHANDRA DAS
20	CSU22011164	CERTIFICATE COURSE	29923	XUR30913766100	UR3	500	# SHILPI SHARMAH		LT. BHABA SHARMAH
21	CSU22012057	CERTIFICATE COURSE	28734	XUR30896986721	UR3	500	# SUKANYA CHAKRAVARTY		PRABHAT JR CHAKRAVARTY
22	CSU22012133	CERTIFICATE COURSE	28921	XUR30900553323	UR3	500	# UJJAL KALITA		SOLEN KALITA

GENDER	CATEGORY	EMAIL	MOBILE	MOTHER NAME	RELIGION	
MALE	GENERAL	ahajuddin56@gmail.com	20 Y 6002960646	BELI NESSA	ISLAM	ASSAM
FEMALE	GENERAL	bhupalitalukdarjon@gmail.com	19 Y 6001501817	PALLABI TALUKDAR	HINDUISM	ASSAM
FEMALE	GENERAL	pbhushita@yahoo.com	35 Y 8486007296	TARU PATOWARI	HINDUISM	ASSAM
MALE	GENERAL	bidyutdutta1996@gmail.com	26 Y 9854369177	MINU DUTTA	HINDUISM	ASSAM
MALE	SC	bikrambarman89153@gmail.com	20 Y 7636877968	KANCHAN BARMAN	HINDUISM	ASSAM
MALE	SC	digantad509@gmail.com	18 Y 6002544767	LAKHMI BALA DAS	HINDUISM	ASSAM
MALE	GENERAL	binayp01@gmail.com	17 Y 9864687599	HALIMA KHATUN	ISLAM	ASSAM
FEMALE	GENERAL	kalitah058@gmail.com	19 Y 8822849328	BHARATI KALITA	HINDUISM	ASSAM
FEMALE	GENERAL	idas15624@gmail.com	25 Y 6003525632	SANDHYA DAS	HINDUISM	ASSAM
FEMALE	GENERAL	kapildas4492@gmail.com	19 Y 8822521761	BHUMIKA MEDHI	HINDUISM	ASSAM
FEMALE	ORC	linanath58095@gmail.com	19 Y 6001345011	KALPANA NATH	HINDUISM	ASSAM
FEMALE	GENERAL	antadanantadan322@gmail.com	17 Y 6002105134	NILIMA DAS	HINDUISM	ASSAM
FEMALE	GENERAL	monikasahasd89@gmail.com	17 Y 8822588180	DIPKA SAHA	HINDUISM	ASSAM
FEMALE	GENERAL	porismitadas10@gmail.com	19 Y 6001101561	BINITA DAS	HINDUISM	ASSAM
FEMALE	SC	reemad521@gmail.com	19 Y 7099431340	JAYMATI DAS	HINDUISM	ASSAM
FEMALE	ORC	rumi71359@gmail.com	34 Y 9864753684	AARATI DAS	HINDUISM	ASSAM
MALE	GENERAL	safiqul210@gmail.com	17 Y 8822366187	SAIEMA KHATUN	ISLAM	ASSAM
FEMALE	SC	kapileer@gmail.com	18 Y 6900275105	DIPA DAS RABHA	HINDUISM	ASSAM
MALE	SC	sds708008@gmail.com	19 Y 8099596806	PRATIMA DAS	HINDUISM	ASSAM
FEMALE	GENERAL	shilpisharma81569@gmail.com	24 Y 7399139723	DHANMONI SHARMAH	HINDUISM	ASSAM
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2. Debaprasad Saikia Memorial Lecture

Teachers unit B P Chaliha organized the “**Debaprasad Saikia Memorial Lecture**” on the topic “Asamor Lok-Saskritit Dhol Badyar Adhyatmikta” on 30/10/2019. The Resource person present in this program was Som Nath Bora Oja. This type of program organized every year to pay tribute to the first principal of our college late **Debaprasad Saikia**.



The key outcome of the activity: This activity helps students to learn about the Assamese festival Bihu and the traditional culture of Bihu Dhol, an instrument used in the Bihu festival.

3. Assamese poet meeting program

An Assamese poet meeting was jointly organized by Sahitya Kanon and the Literary Club of B.P.Chaliha College on the occasion of the Golden Jubilee program of our college on 05/02/2023.



The key outcome of the activity: The program could foster a sense of cultural pride and exchange of ideas among poets, helping to preserve and promote Assamese literature and culture.

4. Lecture program on 'Correct use of Assamese Language & Creative Writings'

A Lecture program on 'Correct use of Assamese Language & Creative Writings' on 23/12/2021 was organized by Sahitya Kanan of B.P Chaliha College. The resource person present was Chandan Sharma, a prominent writer in the Assamese language.



The key outcome of the activity: The resource person told his views on the importance of creative writing. Engaging in creative writing, whether as a hobby or a professional pursuit, offers a wealth of benefits that can enrich various aspects of life.

5. Poet's meeting programme

A Poet's Meet was organized by Sahitya Kanan of B.P.Chaliha College on the College Campus on 03/01/2020 to celebrate the new year 2020.



The key outcome of the activity: The program could foster a sense of cultural pride and exchange of ideas among poets, helping to preserve and promote Assamese literature and culture.

6. Organized Essay Competition

An Essay competition among the students of our college was organized on the topic “Gandhian Values as a Way of Life”. On 27/09/2019. A Total number of 25 participants were present in this competition.



The key outcome of the activity: A program focused on Gandhian values as a way of life can offer students a wide range of benefits, touching on personal, social, and global aspects.

7. Participation in the Cultural Night

A team of students of BP Chaliha College participated in the Assamese Bihu dance on the cultural night of the North East Book Fair in Guwahati on 19/02/ 2019.



The key outcome of the activity: Participants have the opportunity to network with like-minded individuals, and activists fostering collaboration and shared initiatives.

8. Special lecture program on “Evaluation of Bihu Songs in Assam”

On 24th March 2023, the Friday Music Club of B. P. Chaliha College in association with IQAC organized a special lecture program on 'Evaluation of Bihu Songs in Assam'. The resource person was Dr. Anil Saikia, Rtd. Principal, Moran College.



The key outcome of the activity: The students as well as faculty members learned about the various stages of evaluation of bihu songs to Modern Bihu songs. Evaluating Bihu songs in Assam involves understanding their cultural, historical, and musical significance. Bihu songs,

which are an integral part of the Bihu festival, one of the most important and widely celebrated festivals in Assam, are rich in tradition and artistry.

9. Pre Rongali Bihu Celebration

Pre Pre-Rongali bihu celebration has been organised by the Music Club, B. P.Chaliha College in Association with the Student Union on 13/04/2023.



The key outcome of the activity: This type of festival brings people together, fostering a sense of unity and community.

10. Research Paper published in “Antioxidant Activity of Traditional Herbal Drugs Used in the Treatment of Jaundice (June 21)

Dr. Dhiresh Chakravarty, HOD and associate professor, Department of Chemistry, B.P.Chalihancollege in collaboration with Madhabdev University, Narayanpur, Assam, India published a paper on Antioxidant Activity of Traditional Herbal Drugs Used in the Treatment of Jaundice in the Journal of Applied and Fundamental Sciences. The authors studied the Success rate of medicinal plants in Assam used as folk medicine against jaundice All plants produce chemical compounds as part of their normal metabolic activities. The curative properties of drugs are due to the presence of complex chemical substances of varied composition (present as secondary plant metabolites) in one or more parts of these plants.



ANTIOXIDANT ACTIVITY OF TRADITIONAL HERBAL DRUGS USED IN THE TREATMENT OF JAUNDICE

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Abstract: Jaundice is not a disease rather a symptom that can show up in several disease conditions. The manifestation of jaundice is due to the severe hepatic damage and excessive release of a yellow pigment called bilirubin to blood. The process of RBC destruction is called haemolysis and the jaundice caused this way is called haemolytic jaundice. The other two types of jaundice are called hepatocellular jaundice and obstructive jaundice. In our body, a balance between oxidative free radicals and antioxidants is usually maintained and this is a prerequisite for a normal health. Overloading with the free radicals and significant depletion in the supply of antioxidants lead to an act of imbalance termed as oxidative stress in health science. Oxidative stress causes haemolysis. Severe oxidative stress is considered one of the principal factors causing jaundice. The hepatoprotective property of certain herbal drugs may be attributed to their antioxidant potential. All plants produce chemical compounds as part of their normal metabolic activities. The curative properties of drugs are due to the presence of complex chemical substances of varied composition (present as secondary plants metabolites) in one or more parts of these plants. A large number of plant based materials are recognized as hepatoprotective herbal drugs, and these are traditionally being used for the reversal of jaundice in ethno-medicine.

Keywords: Jaundice, medicinal plant, traditional herbal drug, oxidative stress, free radical, antioxidant, haemolysis, bilirubin, hepatic damage, DPPH.

1. Introduction:

Jaundice is not a disease rather manifestation of severe hepatic damage and excessive release of a pigment, bilirubin, to blood. Yellow staining of the skin and eye caused by high level of bilirubin in blood is often termed as the incidence of jaundice [1]. Bilirubin is a lipophilic linear tetrapyrrole (Figure 1) which is toxic and insoluble in blood [2]. The colours of skin and eye of the affected person may vary depending upon the level of bilirubin [1].

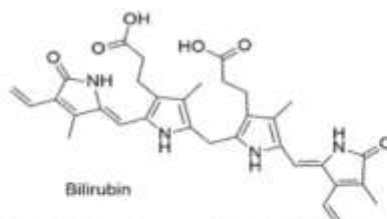


Figure 1: Molecular Structure of bilirubin (C₃₃H₃₆N₄O₆) [1]

Accumulation of the pigment bilirubin in the blood stream may result from either over production of bilirubin or impaired hepatic metabolism of the pigment [3]. If the production of RBC in blood falls below normal as well as for any reason RBCs die at a faster rate than normal, then bilirubin can accumulate in the blood and cause jaundice

The key outcome of the activity: The present study indicates that there is a relationship between the curative power and the antioxidant properties of herbal drugs used against jaundice. Herbal drugs with high antioxidant properties are expected to work better against jaundice.

11. Celebration of Dr. Bhupen Hazarikas 97th Birthday

The 97th Birthday of Dr. Bhupen Hazarika has been celebrated by the Music Club of B. P. Chaliha College. 20 faculty members and 125 Students participated in the program. A Poem Recitation Competition and Dance Competition were organized in relation to the program.



The key outcome of the activity: This types of programme teach students about Dr. Bhupen Hazarika's life, his contributions to music, literature, and social causes, providing valuable lessons in history, culture, and ethics.

12. Celebration of Bishnu Rabha Divas

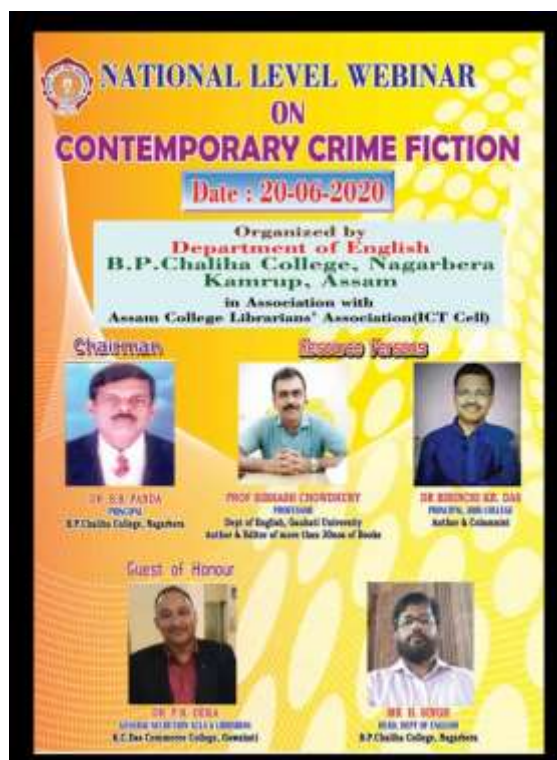
Bishu Rabha Divas has been celebrated by the Music Club in association with IQAC of B. P.Chaliha College, Nagarbera on 20/06/2023. Bishnu Prasad Rabha, often referred to as Kalaguru (Master of the Arts), was a multifaceted cultural icon from Assam, India. His contributions span various fields, including music, literature, drama, dance, and political activism. Celebrating Bishnu Rabha and his legacy offers numerous benefits to cultural preservation, education, and community development. Here is an evaluation of the impact and significance of Bishnu Rabha's contributions, as well as the benefits of celebrating his life and work.



The key outcome of the activity: The celebration helps in reviving and promoting traditional Assamese music, dance, and theater associated with Bishnu Rabha, ensuring these art forms remain vibrant and relevant.

13. National Webinar on “Contemporary Crime Fiction”

A National Webinar on “Contemporary Crime Fiction” was organized by the Department of English in association with the Assam college librarians association (ICT cell). The webinar was held on 20th June, 2020. Prof. Bibhash Chowdhury and Dr. Birinchi Kr. Das was the resource person. The webinar was organized to develop an interest in contemporary crime fiction. Two hundred and seventy-three participants were joined in the webinar program.




The key outcome of the activity Webinar on contemporary crime fiction can have diverse outcomes, ranging from intellectual discussions and skill development to community building and personal growth. By fostering dialogue, learning, and creativity, such meetings contribute to the thriving landscape of crime fiction literature and its broader impact on readers and society.

14. National Seminar

A National Seminar on “Quest for career opportunities in humanities and social science study: Problems and prospects of Northeast India” 9th-10th June 2022 Organized by Career Guidance and Information SSCenter in collaboration with IQAC, B.P.Chaliha College.



The key outcome of the Sactivity: While there are significant challenges in the quest for career opportunities in humanities and social science studies in Northeast India, there are also considerable prospects. Addressing the problems through targeted policies, improved infrastructure, and greater awareness can unlock the potential of this region and provide ample opportunities for its graduates.


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