

**Report on**  
**Certificate Course in Analytical Chemistry (CCAC)**  
**Session 2022-2023**



**DEPARTMENT OF CHEMISTRY**  
**Science College, Kokrajhar**

# Certificate Course in Analytical Chemistry

I am pleased to submit the report on Certificate Course in Analytical Chemistry (CCAC) offered by Department of Chemistry, Science College, Kokrajhar for the Session 2022-2023. The details of the Certificate course is as follows.

## About the Course:

This Certificate Course in Analytical Chemistry (CCAC) is announced to minimize the gap between theory and practical. A number of common laboratory analysis techniques with their theory, procedure in Semi Micro Analysis method, handling of apparatus, accessories and their applications are included in this course. It is expected that by doing this course, the students will be more skilled in performing chemical analysis in chemistry laboratories. It is also expected that this course will be useful for all the UG students who are aspiring to become a Researcher/Chemist.

## Course Objectives:

The main objective of this course is to gain basic concepts, theory, and techniques of common laboratory analytical techniques that would motivate the students with an analytical mindset and understand the importance of accuracy and precision of the analytical results. The following are some other objectives in this regard.

- To develop the understanding of the importance of theory in analytical methods.
- To make the learners accountable in chemical analysis on a small or minute scale.
- To provide knowledge for performing Qualitative and quantitative analysis in chemistry.

## Course Outcomes:

- Learners will gain proficiency in performing analytical methods.
- Learners will acquire skills necessary to be employed in the various experimental methods.
- Learners will attain competency for becoming a Researcher/Chemist.
- Learners will follow and understand general laboratory practice guidelines including safety.

## Course Details:

Course duration: 2 Credit (30 Hours)  
Classes: 2 Classes per week.  
Eligibility: H.S. (10+2) in science stream.

## Evaluation Pattern:

(i)	Written Test:	70 Marks (MCQ Type)
(ii)	Skill Test:	30 Marks (Hands on activity)
	Total	100 Marks

### Course Distribution of CCAC for the Session 2022-2023

Sl. No.	Name of Faculty	Course allotted
1.	Dr. Mehdi Al Kausor	<p><b>Unit-VI</b> Advance Analytical Techniques (7 Hours) Beer-Lambert law, Principle of UV-VIS spectroscopy, UV-VIS Spectrophotometer: Construction, working principle and Applications. Construction, working principle and Applications of Flame Photometer. Experimental demonstration of analysis by UV-VIS Spectrophotometer. (i) Recording of UV-VIS spectra of propanone and benzoic acid and analysis of the spectra. (ii) Analysis of Sodium and Potassium in potable drinking water.</p>
2.	Mr. Taznur Ahmed	<p><b>Unit-II</b> Concentration Units and measurements: (5 Hours) Molecular weight, formula weight, and equivalent weight. Concentration units: Molarity, Normality, Formality, Molality, Mole fraction, Mole concept, milli mole, milliequivalents, Percent by weight, Percent by volume, Parts per million, pH, pOH, pK<sub>a</sub>, pK<sub>b</sub>, Numericals. Measurement of Volume: Units of volume, Apparatus for precise measurement of volume: pipette, burette, picknometer, volumetric flask and their use &amp; calibration.</p>
3.	Dr. Swarna Kamal Dey	<p><b>Unit-I</b> Errors and use of Statistics in Chemical Analysis: (5 Hours) Errors, absolute error, relative error. Determinate errors, classification of determinate errors, indeterminate error and minimization of different errors. Normal frequency distribution curve. Graphical representation of results, methods of averages, methods of least squares. Significant figures, Reporting of analytical data, Reporting of data in laboratory notebook. Numericals</p> <p><b>Unit-III</b> Principles of Quantitative Analysis: (5 Hours) Definition of terms: Titrant, titrand, analyte, end point and equivalence point, indicator, choice of indicators, standard titrant, titration. Semi Micro Analysis method. Acid-base titration, Redox Titration, Complexometric Titration.</p>
4.	Miss. Maromi Roy	<p><b>Unit-IV</b> Principles of Qualitative Analysis: (5 Hours) Principles involved in qualitative inorganic analysis of acid radicals and basic radicals: Solubility, Solubility product principle, Group analysis, Group reagents. Principles involved in qualitative organic analysis: Lassaign filtrate, Detection of elements and functional groups. Reactions involved.</p> <p><b>Unit-V</b> Separation Techniques (3 Hours) Use of Buckner funnel, Sintered glass crucible, Separating funnel, Chromatography, Distillation.</p>

# CERTIFICATE COURSE IN ANALYTICAL CHEMISTRY (CCAC)

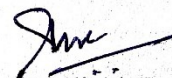
Department of Chemistry, Science College, Kokrajhar

Session 2022-2023

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## CLASS ROUTINE FOR CCAC

Month	Date	Class Time	
		3:00-4:00	4:00-5:00
August	05/08/2022	MAK	SKD
	06/08/2022	TA	MR
	12/08/2022	SKD	MAK
	13/08/2022	MR	TA
	20/08/2022	MAK	SKD
	26/08/2022	TA	MR
	27/08/2022	SKD	MAK
September	02/09/2022	MR	TA
	03/09/2022	MAK	SKD
	09/09/2022	TA	MR
	10/09/2022	SKD	MAK
	16/09/2022	MR	TA
	17/09/2022	MAK	SKD
	23/09/2022	TA	MR
	24/09/2022	SKD	MAK
30/09/2022	MR	TA	
October	14/10/2022	Experimental demonstration by MAK	
	15/10/2022	Experimental demonstration by SKD	
	21/10/2022	Course Examination	



Dr. Mehdi Al Kausor

Course Coordinator

Certificate Course in Analytical Chemistry

# **CERTIFICATE COURSE IN ANALYTICAL CHEMISTRY (CCAC)**

Department of Chemistry, Science College, Kokrajhar

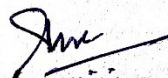
Session 2022-2023

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## **LIST OF LEARNERS ENROLLED**

Sl No.	Name of Learner	Sem/Year	Roll No.
1.	Ayush Aich	3 <sup>rd</sup> Sem	UG130S21001
2.	Anita Barman	3 <sup>rd</sup> Sem	UG130S21008
3.	Bhanita Barmaan	3 <sup>rd</sup> Sem	UG130S21021
4.	Bishan Choudhury	3 <sup>rd</sup> Sem	UG130S21026
5.	Dinthima Brahma	3 <sup>rd</sup> Sem	UG130S21047
6.	Fuzina Basumatary	3 <sup>rd</sup> Sem	UG130S21053
7.	Gakul Ch. Boro	3 <sup>rd</sup> Sem	UG130S21054
8.	Gayatri Nath	3 <sup>rd</sup> Sem	UG130S21056
9.	Geremsa Narzary	3 <sup>rd</sup> Sem	UG130S21057
10.	Harshita Roy	3 <sup>rd</sup> Sem	UG130S21061
11.	Hili Boro	3 <sup>rd</sup> Sem	UG130S21062
12.	Horiram Basumatary	3 <sup>rd</sup> Sem	UG130S21064
13.	Jayanta Basumatary	3 <sup>rd</sup> Sem	UG130S21067
14.	Jeoary Basumatary	3 <sup>rd</sup> Sem	UG130S21068
15.	Jwmwi Narzary	3 <sup>rd</sup> Sem	UG130S21075
16.	Jwngsar Brahma	3 <sup>rd</sup> Sem	UG130S21076
17.	Kanak Lal Narzary	3 <sup>rd</sup> Sem	UG130S21083
18.	Krishnanjali Boro	3 <sup>rd</sup> Sem	UG130S21085
19.	Priya Basumatary	3 <sup>rd</sup> Sem	UG130S21124
20.	Priyanka Basumatary	3 <sup>rd</sup> Sem	UG130S21128
21.	Priyanka Newar	3 <sup>rd</sup> Sem	UG130S21130
22.	Puja Roy	3 <sup>rd</sup> Sem	UG130S21132
23.	Raj Singh	3 <sup>rd</sup> Sem	UG130S21137
24.	Rawlinson Islary	3 <sup>rd</sup> Sem	UG130S21140
25.	Sachiswring Basumatary	3 <sup>rd</sup> Sem	UG130S21151
26.	Sanchita Dey	3 <sup>rd</sup> Sem	UG130S21156
27.	Shyena Khatun	3 <sup>rd</sup> Sem	UG130S21170
28.	Sita Wary	3 <sup>rd</sup> Sem	UG130S21172
29.	Akash Basumatary	5 <sup>th</sup> Sem	UG130S20004
30.	Bikky Choudhury	5 <sup>th</sup> Sem	UG130S20022
31.	Debraj Basumatary	5 <sup>th</sup> Sem	UG130S20035
32.	Dhanalika Narzary	5 <sup>th</sup> Sem	UG130S20040
33.	Easter Basumatary	5 <sup>th</sup> Sem	UG130S20051
34.	Geremsa Swargiary	5 <sup>th</sup> Sem	UG130S20055
35.	Jonmoni Roy	5 <sup>th</sup> Sem	UG130S20074
36.	Kiran Raj Basumatary	5 <sup>th</sup> Sem	UG130S20084
37.	Komalika Bhattacharjee	5 <sup>th</sup> Sem	UG130S20086

38.	Mithisar Basumatary	5 <sup>th</sup> Sem	UG130S20093
39.	Mulug Basumatary	5 <sup>th</sup> Sem	UG130S20101
40.	Nandita Sarkar	5 <sup>th</sup> Sem	UG130S20106
41.	Nayan Boro	5 <sup>th</sup> Sem	UG130S20107
42.	Pranjit Narzary	5 <sup>th</sup> Sem	UG130S20117
43.	Premjit Kujur	5 <sup>th</sup> Sem	UG130S20118
44.	Rakesh Kr. Jha	5 <sup>th</sup> Sem	UG130S20129
45.	Rifah Arsha	5 <sup>th</sup> Sem	UG130S20134
46.	Rupali Basumatary	5 <sup>th</sup> Sem	UG130S20139
47.	Saurav Sarkar	5 <sup>th</sup> Sem	UG130S20149
48.	Subham Paul	5 <sup>th</sup> Sem	UG130S20162
49.	Sunita Muchahary	5 <sup>th</sup> Sem	UG130S20166
50.	Swmdwn Daimary	5 <sup>th</sup> Sem	UG130S20171
51.	Syed Atik Hussain	5 <sup>th</sup> Sem	UG130S20173
52.	Thoraina Brahma	5 <sup>th</sup> Sem	UG130S20176
53.	Pranjay Brahma	5 <sup>th</sup> Sem	UG130S20180



Dr. Mehdi Al Kausor  
Course Coordinator  
Certificate Course in Analytical Chemistry

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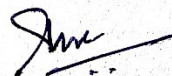
Department of Chemistry, Science College, Kokrajhar

Session 2022-2023

**GRADE SHEET OF LEARNERS**

Sl No.	Name of Learner	CCAC Exam/2022		Total Marks	Grade
		MCQ Test	Hands on Activity		
1	Ayush Aich	52	30	82	A
2	Anita Barman	54	30	84	A
3	Bhanita Barmaan	54	30	84	A
4	Bishan Choudhury	36	30	66	B
5	Dinthima Brahma	48	30	78	A
6	Fuzina Basumatary	42	30	72	A
7	Gakul Ch. Boro	28	30	58	B
8	Gayatri Nath	56	30	86	A+
9	Geremsa Narzary	22 ± 14	30	52	C
10	Harshita Roy	46	30	76	A
11	Hili Boro	24 ± 11	30	54	C
12	Horiram Basumatary	24 ± 11	30	54	C
13	Jayanta Basumatary	40	30	70	A
14	Jeoary Basumatary	52	30	82	A
15	Jwmwi Narzary	50	30	80	A
16	Jwngsar Brahma	36	30	66	B
17	Kanak Lal Narzary	56	30	86	A+
18	Krishnanjali Boro	42	30	72	A
19	Priya Basumatary	54	30	84	A
20	Priyanka Basumatary	22 ± 14	30	52	C
21	Priyanka Newar	50	30	80	A
22	Puja Roy	56	30	86	A+
23	Raj Singh	60	30	90	A+
24	Rawlinson Islary	52	30	82	A
25	Sachiswring Basumatary	48	30	78	A
26	Sanchita Dey	48	30	78	A
27	Shyena Khatun	50	30	80	A
28	Sita Wary	24 ± 11	30	54	C
29	Akash Basumatary	54	30	84	A
30	Bikky Choudhury	36	30	66	B
31	Debraj Basumatary	56	30	86	A+
32	Dhanalika Narzary	42	30	72	A
33	Easter Basumatary	28	30	58	B
34	Geremsa Swargiary	54	30	84	A
35	Jonmoni Roy	56	30	86	A+
36	Kiran Raj Basumatary	48	30	78	A

37	Komalika Bhattacharjee	42	30	72	A
38	Mithisar Basumatary	28	30	58	B
39	Mulug Basumatary	36	30	66	B
40	Nandita Sarkar	56	30	86	A+
41	Nayan Boro	42	30	72	A
42	Pranjit Narzary	42	30	72	A
43	Premjit Kujur	42	30	72	A
44	Rakesh Kr. Jha	56	30	86	A+
45	Rifah Arsha	48	30	78	A
46	Rupali Basumatary	48	30	78	A
47	Saurav Sarkar	36	30	66	B
48	Subham Paul	56	30	86	A+
49	Sunita Muchahary	36	30	66	B
50	Swmdwn Daimary	56	30	86	A+
51	Syed Atik Hussain	42	30	72	A
52	Thoraina Brahma	48	30	78	A
53	Pranjay Brahma	47	30	78	A



Dr. Mehdi Al Kausor  
Course Coordinator

Certificate Course in Analytical Chemistry





**DEPARTMENT OF CHEMISTRY**  
**SCIENCE COLLEGE, KOKRAJHAR**

PO & Dist. Kokrajhar, BTR, Assam, PIN 783370

Website:- [www.sciencecollege.ac.in](http://www.sciencecollege.ac.in) & e-mail: [sciencecollege95@gmail.com](mailto:sciencecollege95@gmail.com)



**Certificate of Completion**

*This Certificate is presented to*

.....  
*a student of B. Sc. Sem-..... having Chemistry honours, for successfully completing the*

*Certificate Course on Analytical Chemistry (CCAC)*

*with course duration of 2 Credits (30 Hours) and obtained Grade .....*

*Offered by Department of Chemistry, Science College, Kokrajhar*

Dr. Ramananda Sinha  
Principal  
Science College, Kokrajhar

Dr. Sharmistha Chakraborty  
V.P. & Head  
Department of Chemistry

Dr. Mehdi Al Kausor  
Course Coordinator  
CCAC, Dept. of Chemistry

Certificate No: CCAC/2022-23/..... || Date of Issue: .....

## Certificate Course in Analytical Chemistry


Session 2022-2023

Grade Sheet

Sl No.	Name of Learner	CCAC Exam/2022		Total Marks	Grade	Certificate No.	Signature of Learner
		MCQ Test	Hands on Activity				
1	Ayush Aich	52	30	82	A	CCAC/2022-23/2201	Ayush Aich
2	Anita Barman	54	30	84	A	CCAC/2022-23/2202	Anita Barman
3	Bhanita Barmaan	54	30	84	A	CCAC/2022-23/2203	Bhanita Barmaan
4	Bishan Choudhury	36	30	66	B	CCAC/2022-23/2204	Bishan Choudhury
5	Dinithima Brahma	48	30	78	A	CCAC/2022-23/2205	Dinithima Brahma
6	Fuzina Basumatary	42	30	72	A	CCAC/2022-23/2206	Fuzina Basumatary
7	Gakul Ch. Boro	28	30	58	B	CCAC/2022-23/2207	Gakul Ch. Boro
8	Gayatri Nath	56	30	86	A+	CCAC/2022-23/2208	Gayatri Nath
9	Geremsa Narzary	22 ± 14	30	52	C	CCAC/2022-23/2209	Geremsa Narzary
10	Harshita Roy	46	30	76	A	CCAC/2022-23/2210	Harshita Roy
11	Hili Boro	24 ± 11	30	54	C	CCAC/2022-23/2211	Hili Boro
12	Horiram Basumatary	24 ± 11	30	54	C	CCAC/2022-23/2212	Horiram Basumatary
13	Jayanta Basumatary	40	30	70	A	CCAC/2022-23/2213	Jayanta Basumatary
14	Jeoary Basumatary	52	30	82	A	CCAC/2022-23/2214	Jeoary Basumatary
15	Jwmwi Narzary	50	30	80	A	CCAC/2022-23/2215	Jwmwi Narzary
16	Jwngsar Brahma	36	30	66	B	CCAC/2022-23/2216	Jwngsar Brahma
17	Kanak Lal Narzary	56	30	86	A+	CCAC/2022-23/2217	Kanak Lal Narzary

Sl No.	Name of Learner	CCAC Exam/2022		Total Marks	Grade	Certificate Number	Signature of Learner
		MCQ Test	Hands on Activity				
18	Krishnanjali Boro	42	30	72	A	CCAC/2022-23/2218	Krishnanjali Boro
19	Priya Basumatary	54	30	84	A	CCAC/2022-23/2219	Priya Basumatary
20	Priyanka Basumatary	22 ± 14	30	52	C	CCAC/2022-23/2220	Priyanka Basumatary
21	Priyanka Newar	50	30	80	A	CCAC/2022-23/2221	Priyanka Newar
22	Puja Roy	56	30	86	A+	CCAC/2022-23/2222	Puja Roy
23	Raj Singh	60	30	90	A+	CCAC/2022-23/2223	Raj Singh
24	Rawlinson Islary	52	30	82	A	CCAC/2022-23/2224	Rawlinson Islary
25	Sachiswring Basumatary	48	30	78	A	CCAC/2022-23/2225	Sachiswring Basumatary
26	Sanchita Dey	48	30	78	A	CCAC/2022-23/2226	Sanchita Dey
27	Shyena Khatun	50	30	80	A	CCAC/2022-23/2227	Shyena Khatun
28	Sita Wary	24 ± 11	30	54	C	CCAC/2022-23/2228	Sita Wary
29	Akash Basumatary	54	30	84	A	CCAC/2022-23/2229	Akash Basumatary
30	Bikky Choudhury	36	30	66	B	CCAC/2022-23/2230	Bikky Choudhury
31	Debraj Basumatary	56	30	86	A+	CCAC/2022-23/2231	Dhanlika Narzary
32	Dhanalika Narzary	42	30	72	A	CCAC/2022-23/2232	Debraj Basumatary
33	Easter Basumatary	28	30	58	B	CCAC/2022-23/2233	Easter Basumatary
34	Geremsa Swargiary	54	30	84	A	CCAC/2022-23/2234	Geremsa Swargiary
35	Jonmoni Roy	56	30	86	A+	CCAC/2022-23/2235	Jonmoni Roy
36	Kiran Raj Basumatary	48	30	78	A	CCAC/2022-23/2236	—
37	Komalika Bhattacharjee	42	30	72	A	CCAC/2022-23/2237	Komalika Bhattacharjee
38	Mithisar Basumatary	28	30	58	B	CCAC/2022-23/2238	—

Sl No.	Name of Learner	CCAC Exam/2022		Total Marks	Grade	Certificate Number	Signature of Learner
		MCQ Test	Hands on Activity				
39	Mulug Basumatary	36	30	66	B	CCAC/2022-23/2239	MulugBasumatary
40	Nandita Sarkar	56	30	86	A+	CCAC/2022-23/2240	Nandita Sarkar
41	Nayan Boro	42	30	72	A	CCAC/2022-23/2241	Nayan Boro
42	Pranjit Narzary	42	30	72	A	CCAC/2022-23/2242	Pranjit-Narzary
43	Premjit Kujur	42	30	72	A	CCAC/2022-23/2243	Premjit Kujur
44	Rakesh Kr. Jha	56	30	86	A+	CCAC/2022-23/2244	Rakesh Kr. Jha
45	Rifah Arsha	48	30	78	A	CCAC/2022-23/2245	Rifah Arsha
46	Rupali Basumatary	48	30	78	A	CCAC/2022-23/2246	Rupali Basumatary
47	Saurav Sarkar	36	30	66	B	CCAC/2022-23/2247	Saurav Sarkar
48	Subham Paul	56	30	86	A+	CCAC/2022-23/2248	Subham Paul
49	Sunita Muchahary	36	30	66	B	CCAC/2022-23/2249	Sunita Muchahary
50	Swrdwn Daimary	56	30	86	A+	CCAC/2022-23/2250	Swrdwn Daimary
51	Syed Atik Hussain	42	30	72	A	CCAC/2022-23/2251	Syed Atik Hussain
52	Thoraina Brahma	48	30	78	A	CCAC/2022-23/2252	—
53	PranJay Brahma	47	30	78	A	CCAC/2022-23/2253	—

  
 Dr. Mehdi Al Kausor  
 Course Coordinator

Certificate Course in Analytical Chemistry



Figure: Few snapshots during Examination held & valedictory session of CCAC

**Report**  
**On**  
**Certificate course in**  
**Insect Pest Management**  
**Session-2022-23**



**Submitted by**  
**Department of Zoology**  
**Science College, Kokrajhar**

Enrolled Student List of Certificate Course on "Insect Pest Management"

Department of Zoology.

Science College Kokrajhar, 2022-2023

Enrolled No.	Name of Students	Signatur of Students
1	Aman Saha	Aman Saha
2	Ambika Sarkar	Ambika Sarkar
3	Ankita saha	Ankita Saha
4	Apama Das	Aparna Das
5	Bebita Brahma	Bebita Brahma .
6	Chitra Bhattarai	Chitra Bhattarai
7	Dimpi Brahma	Dimpi Brahma
8	Gayatri Basumatary	Gayatri Basumatary
9	Jaya Gope	Jaya Gope
10	Jemima Basumatary	Jemima Basumatary
11	Jiuma Gayary	Jiuma Gayary
12	Kanchan Basumatary	Kanchan Basumatary
13	Mausumi Brahma	Mausumi Brahma
14	Purnima Borgoyary	Purnima Borgoyary
15	Rimi Saha	Rimi Saha
16	Rimjhim Brahma	Rimjhim Brahma
17	Shreeya Paul	Shreeya Paul
18	Somaina Narzary	Somaina Narzary
19	Nikita Narzary	Nikita Narzary .
20	Roshmi Sonkata	Roshmi Sonkata

  
2/5/23.  
Course Coordinator  
Department of Zoology

## Enrollment and Results of the Course:

Following students are enrolled & completed the certificate course in " Insect Pest Management" in the session- 2022-23

Intake: 25

Enrolled: 20

Enrolled No.	Name of Students	Marks Secured in the Examination		Total :100	Result & Remarks
		Theory : 50	Practical: 50		
1	Aman Saha	40	35	75	Pass
2	Ambika Sarkar	36	35	71	Pass
3	Ankita saha	36	35	71	Pass
4	Aparna Das	35	32	67	Pass
5	Bebita Brahma	40	32	72	Pass
6	Chitra Bhattarrai	40	35	75	Pass
7	Dimpi Brahma	35	35	70	Pass
8	Gayatri Basumatary	35	32	67	Pass
9	Jaya Gope	35	35	70	Pass
10	Jemima Basumatary	32	35	67	Pass
11	Jiuma Gayary	35	34	69	Pass
12	Kanchan Basumatary	36	33	69	Pass
13	Mausumi Brahma	35	32	67	Pass
14	Purnima Borgoyary	30	32	62	Pass
15	Rimi Saha	38	35	73	Pass
16	Rimjhim Brahma	32	30	62	Pass
17	Shreeya Paul	40	32	72	Pass
18	Somaina Narzary	40	35	75	Pass
19	Nikita Narzary	35	36	71	Pass
20	Roshmi Sonkata	26	30	56	Pass

### **Class Routine:**

Day	Venue	Reporting time
Monday	Room No. 124, Science College, Kokrajhar	3.00 PM- 4.00PM
Tuesday	Room No. 124, Science College, Kokrajhar	3.00 PM- 4.00PM
Thursday	Room No. 124, Science College, Kokrajhar	3.00 PM- 4.00PM
Friday	Room No. 124, Science College, Kokrajhar	3.00 PM- 4.00PM



**REPORT  
ON  
CERTIFICATE COURSE IN  
OFFICE AUTOMATION  
Session: 2022 - 23**

Submitted  
by  
**Department of Information Technology**



**SCIENCE COLLEGE, KOKRAJHAR  
BTR, ASSAM**

## **Table of Contents**

<b>1 Introduction</b>	<b>1</b>	<b>5 Course Aim and Objective</b>	<b>2</b>
<b>2 Name of Candidates Enrolled in the course</b>	<b>1</b>	<b>6 Syllabus</b>	<b>3</b>
<b>3 Programme Schedule</b>	<b>2</b>	<b>7 Outcome of the Course</b>	<b>3</b>
<b>4 About the Course</b>	<b>2</b>	<b>8 Results Of the Candidates</b>	<b>4</b>
		<b>9 Sample Certificate</b>	<b>5</b>

### 1. Introduction

Certificate course in Office Automation is an IT professional course. This course covers almost all basic operations of computer. Participants taking this course will be able to confidently handle PC, gather fundamentals of computers, data and information, various software applications used in OA, basic of internet & how to use it and increase ability to analyze and solve problems using computational thinking.

<b>Name of the Course:</b>	: Office Automation
<b>Institution</b>	: Science College, Kokrajhar
<b>Level</b>	: Introductory
<b>Subject</b>	: Any Subject
<b>Language</b>	: English
<b>Number of candidates enrolled</b>	: 40 Nos
<b>Nature of Course</b>	: Theory and Practical
<b>Course Duration</b>	: 30 hours (Two Credits)
<b>Intake:</b>	: 40 Nos.
<b>Evaluation Proce:</b>	<ul style="list-style-type: none"><li>• Class participation - 20 %</li><li>• Final examination on<ul style="list-style-type: none"><li>- Theory 30 Marks</li><li>- Practical 50 Marks</li><li>- Pass Marks 40 %</li></ul></li></ul>

### 2. Name of Candidates Enrolled in the course

1. Sheik Junaid Ahamed	10. Mijing Basumatary
2. Jonaki Basumatary	11. Sourav Roy
3. Sanju Basumatary	12. Bhaskar Jyoti Basumatary
4. Rodrick Narzary	13. Abushama Sheikh
5. Geolangshar Basumatary	14. Abhishek Das
6. Deputy Mashahary	15. Jyoti Basumatary
7. Bony Moshahary	16. Jashmi Boro
8. Khusbu Basumatary	17. Prithiraj Basumatary
9. Chidananda Daimary	18. Dwima Basumatary

## Report on Certificate Course in Office Automation

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19. Nayanjyoti Brahma	30. Bhum Basumatary
20. Priya Basumatary	31. Swgwmsar Basumatary
21. Saynur Aktara	32. Bilifang Basumatary
22. Ansai Boro	33. Bhumsing Mushahary
23. Sanjay Basumatary	34. Dhanuraj Basumatary
24. Jewel Basumatary	35. Albert Minz
25. Jekolin Machahary	36. Sinesh Hebrom
26. Dwithun Brahma	37. Nabajit Rajbangshi
27. Barpung Narzary	38. Johnson Ekka
28. Shimjim Basumatary	39. Shubham Bora
29. Sunswrang Boro	40. Uttam Ch. Namo Das

### 3. Programme Schedule

Day	Venue	Reporting time
Friday	IT Laboratory, Science College, Kokrajhar	3.00 PM - 4.30 PM
Saturday	IT Laboratory, Science College, Kokrajhar	3.00 PM - 4.30 PM
Sunday	IT Laboratory, Science College, Kokrajhar	3.00 PM - 4.30 PM

### 4. About the Course

This course introduces the basic concepts of Fundamentals in Computer and data base management system and analyze. Participants taking this course will be able to confidently handle PC and increase ability to analyze and solve problems using computational thinking, various software applications used in OA, basic of internet & how to use it and increase ability to analyze and solve problems using computational thinking.

### 5. Course Aim and Objective

The main motive is to impart the knowledge and understanding about a computer system and familiarize the participants to work with PC with confidence. The broad objectives of the course are:

1. To understand the fundamentals of computer and their architecture.
2. To learn how to use operating systems, MS Word, MS Excel applications.
3. To have hands on experience to become a user of PC.

4. To develop tally and computer automation.
5. To increase ability to analyze and solve problems using computational thinking.
6. To increase ability to use internet, creating E-mail Account, Sending and Receiving E-mail.

## **6. Syllabus**

### **Unit 1: Introduction and Basic Concept of Computer**

Data processing in computer, basic units of measurement, basic hardware of a PC system, Central processing unit, memory unit, input device, scanning devices, image capturing device, out put devices, secondary storage devices, hard disk derive optical discs, optical drives, motherboard, Operating System, Windows, MS Office.

Practical

### **Unit 2: Tally**

Introduction, account Fundamentals, manual accounts, computer accounting, MS excel.

Practical

### **Unit 3: Data Base Management System**

Introduction, objectives, subdivisions of SQL, data manipulation language commands, select Query and clause and function, embedded SQL, dynamic SQL, procedure and function, creating procedure, data and time function, arithmetic functions, deleting procedure.

Practical

### **Unit 4: Internet**

Introduction, HTML, Browsing, creating E-mail account, sending/ receiving e-mail etc.

Practical

## **7. Outcome of the Course**

Participants, after completion this course of the course will be able to empower themselves in

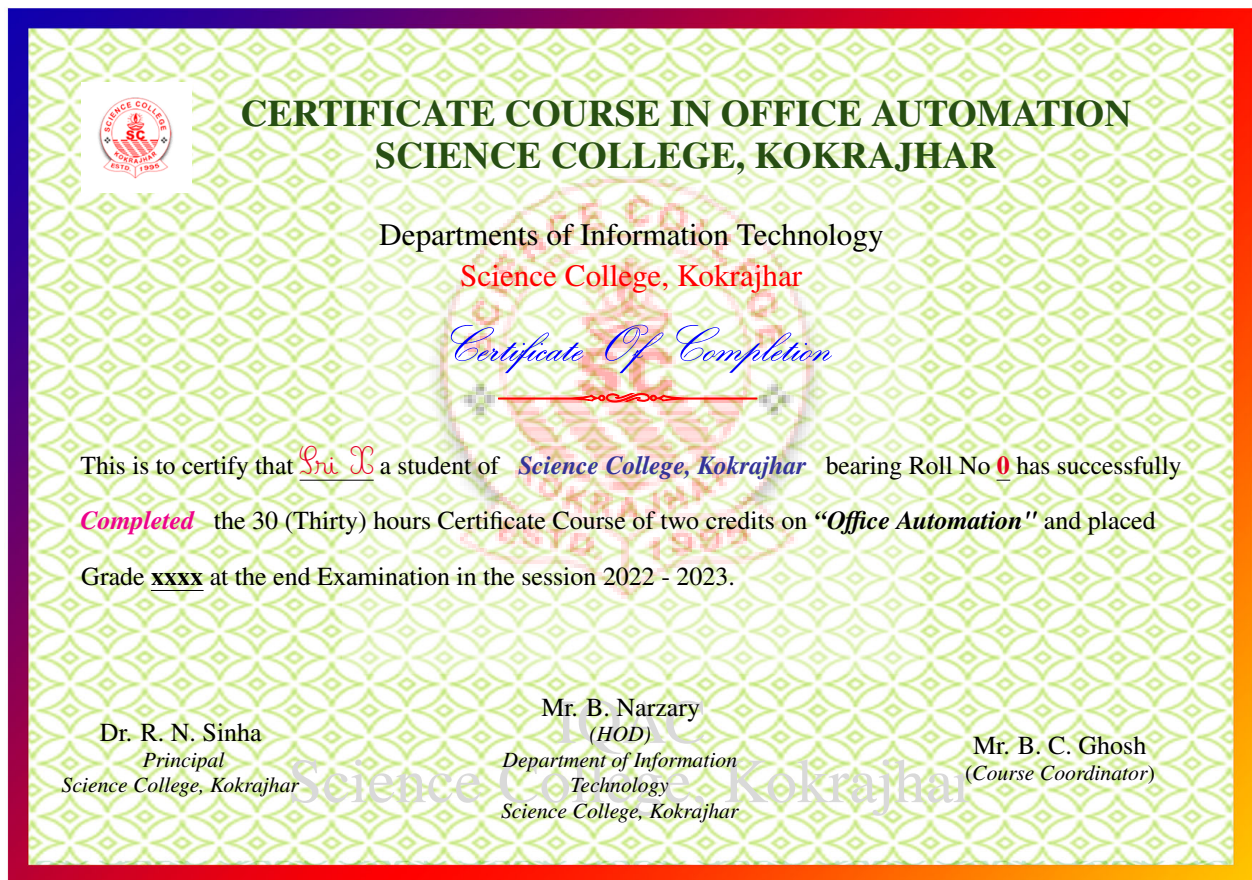
1. Solid understanding of computer system
2. Knowledge about Hardware component
3. Knowledge about Software type.
4. Familiarity with database management principle and technique.

5. Practical skill of use of internet, creating E-mail Account, Sending and Receiving E-mail..
6. Ability to analyze and solve problems using computational thinking.
7. Data manipulation and querying.

## **8. Results Of the Candidates**

After the completion of theory and practical classes, end-term examination was conducted in both theory and Practical. All the 40 (Forty) candidates comes out successfully with Grade A in both theory and practical examinations.

## 9. Sample Certificate




Dr. R. N. Sinha  
Principal  
Science College, Kokrajhar

Mr. B. Narzary  
(HOD)  
Department of Information  
Technology  
Science College, Kokrajhar

Mr. B. C. Ghosh  
(Course Coordinator)

**Mr. B. Narzary**  
HOD  
Department of Information Technology  
Science College, Kokrajhar

  
**Mr. B. C. Ghosh**  
Course Coordinator

REPORT  
ON  
CERTIFICATE COURSE IN  
PYTHON PROGRAMMING  
Session: 2022 - 2023

Submitted  
by  
Department of Computer Science



SCIENCE COLLEGE, KOKRAJHAR  
BTR, ASSAM



## Table of Contents

Sl No.	Contents	Page no.
1	Introduction	1
2	Name of the candidates enrolled in the course	1
3	Programme schedule	2
4	About the course	3
5	Course aim and objective	3
6	Syllabus	5
7	Outcome of the course	5
8	Results of the candidates	5
9	Sample certificates	6

## 1. Introduction

Certificate course in Python Programming is an IT professional course. This course covers almost all basic operations of Python programming. Python is not just a programming language used for web and app development, but also it has found importance in Data Science, Machine Learning, Artificial Intelligence, task automation, data analysis, data visualisation, and in multiple other fields.

Name of the Course	:	Python Programming
Institution	:	Science College, Kokrajhar
Level	:	Introductory
Subject	:	Any Subject
Language	:	English
Number of candidates enrolled	:	28 Nos
Nature of Course	:	Theory and Practical
Course Duration	:	30 hours (Two Credits)
Intake	:	40 Nos.
Evaluation Proces:		
• Class participation	:	20 %
• Final examination on	:	80 %
– Theory	:	30 Marks
– Practical	:	50 Marks
– Pass Marks	:	40 %

## 2. Name of Candidates Enrolled in the course

1. MRINMOY BARO
2. KULDEEP ROY
3. JYOTI BRAHMA
4. HRISHIKESH BASUMATARY
5. JANARDHAN SUTRADHAR
6. TULUNGA BRAHMA
7. HUNGKHA GWRA BORGOPYARY
8. JULIAT BASUMATARY

9. RUGUNG NARZARY
10. EDEN NARZARY
11. NANAK BORGOPYARY
12. PRASUN BRAHMA
13. MAOPHUNG LU LAHARY
14. NIZRA BASUMATARY
15. KUMUD BASUMATARY
16. DHANANJAY SHAW
17. JYOTISH KR. SHIL
18. PROBIR DEBNATH
19. SWRJI LAHARY
20. MIZANUR ISLAM
21. HIRAN DAIMARY
22. TULUNGA NARZARY
23. URKHAO BASUMATARY
24. HADUNGWRA BRAHMA
25. VICKY SINGHA
26. TANUJA BRAHMA
27. NIKUMONI BORO
28. PREETY BASUMATARY

### 3. Programme Schedule

<b>Day</b>	<b>Venue</b>	<b>Reporting Time</b>
Saturday	CS Laboratory, Science College, Kokrajhar	1 PM – 4 PM
Sunday	CS Laboratory, Science College, Kokrajhar	1 PM – 4 PM

## **4. About the Course**

This course introduces the basic and core concepts of Python Programming. Python programming is powering the global job market because the benefits of Python are clear. Python is one of the top three programming languages in the world, and is poised to become the most popular Python is used in many industries, including finance, healthcare, marketing, and entertainment. It can open the door to many career opportunities, such as web and app development, data engineering, game development, and more. Python is a general-purpose language that can be used for a variety of purposes, including building websites, automating tasks, and data analysis. It's considered easy to learn and use, making it a good choice for beginners.

## **5. Course Aim and Objective**

The main motive is to impart the knowledge and understanding about the programming language and familiarize the participants to work with confidence. The broad objectives of the course are:

- i) Understanding of basic and advanced syntax of the Python language, including variables, data types, control structures, and functions.
- ii) Familiarity with common data structures in Python, such as lists, dictionaries, and sets.
- iii) Knowledge of common algorithms and techniques for data analysis, such as sorting, searching, and statistical analysis.
- iv) Familiarity with popular Python libraries and frameworks, such as NumPy, Pandas, and Matplotlib for data analysis and manipulation, and Flask or Django for web development.

## 6. Syllabus

Module number	Module name	Topics Covered
1	Python Introduction and Setting up the Environment	Introduction to Programming, Choosing Python, Setting up Python environment, Python IDEs
2	Python Basic Syntax and Data Types	Input/output, Comments, Variables, Data types, Typecasting
3	Operators in Python	Arithmetic, Assignment, Comparison, Logical, Identity, Membership, Bitwise operators
4	Strings in Python	Creating, Formatting, Indexing, Slicing, String methods
5	Lists in Python	Creating, Properties, Indexing, Slicing, Methods, Modifying lists
6	Tuples in Python	Syntax, Properties, Indexing, Slicing, Methods
7	Sets in Python	Syntax, Updating, Operations, Methods
8	Dictionaries in Python	Syntax, Keys/values, Accessing, Methods
9	Python Conditional Statements	if, if-else, if-elif-else
10	Loops in Python	while, for, break, continue, pass, range
11	List and Dictionary Comprehensions	Syntax, Uses
12	Functions in Python	Creating, Calling, Arguments, Variables, Recursion
13	Anonymous Functions	Lambda functions

14	Generators in Python	Creating, Using generators
15	Modules in Python	Creating, Importing, Built-in modules
16	Packages & Data Analysis	Creating packages, NumPy, Pandas, Matplotlib

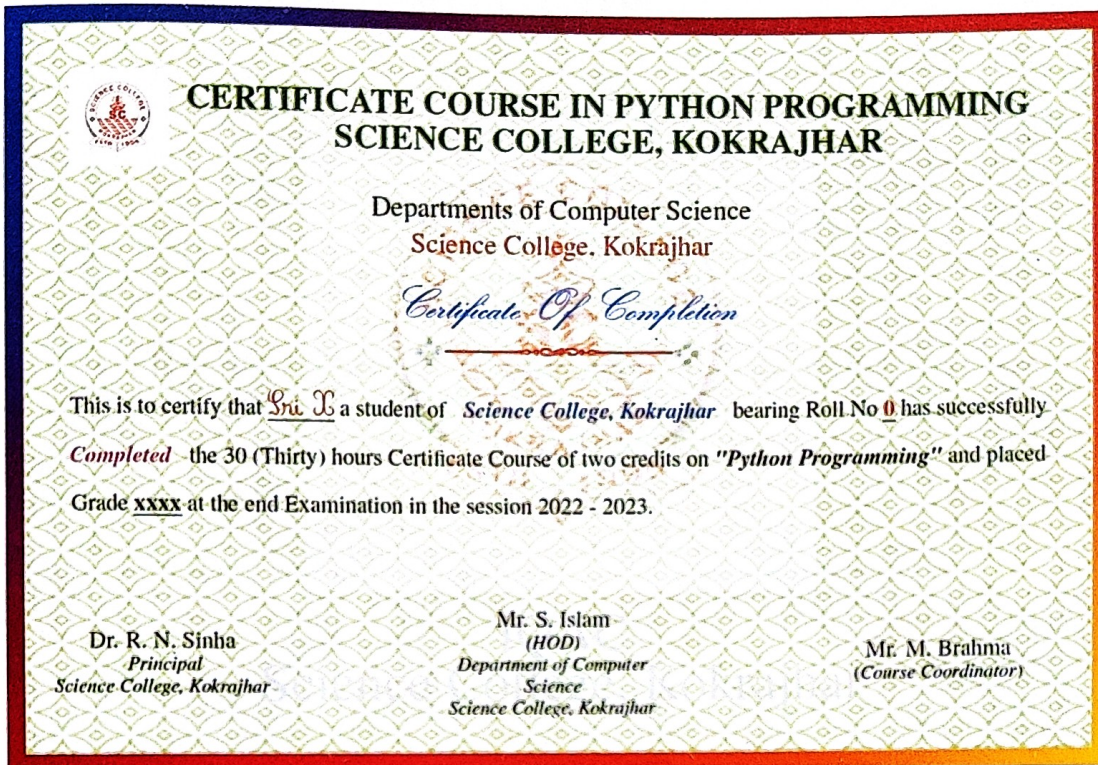
## **7. Outcome of the course**

Students will learn computational thinking skills, develop creative and problem solving skills and acquire a strong grasp of how to apply code to real life.


## **8. Results Of the Candidates**

After the completion of theory and practical classes, end-term examination was conducted in both theory and Practical. All the 28 (Twenty Eight) candidates comes out successfully with Grade A in both theory and practical examinations.

## 9. Sample Certificates



**Mr S. Islam**  
HoD  
Department of Computer Science  
Science College, Kokrajhar

  
**Mr. M. Brahma**  
Course co-ordinator

RECORD OF  
ISSUE OF  
COURSE CERTIFICATE

DEPARTEMNT OF COMPUTER SCIENCE





Session-2022-2023

Name	Certificate number	Signature
MRINMOY BARO	SCK/CS-1/2022-23	Mrinmoy Baro
KULDEEP ROY	SCK/CS-2/2022-23	Kuldeep Roy
JYOTI BRAHMA	SCK/CS-3/2022-23	Jyoti Brahma
HRISHIKESH BASUMATARY	SCK/CS-4/2022-23	Hrishikesh Basumatary
JANARDHAN SUTRADHAR	SCK/CS-5/2022-23	Janardha
TULUNGA BRAHMA	SCK/CS-6/2022-23	Tulunga Brahma
HUNGKHA GWRA	SCK/CS-7/2022-23	Hunkha
BORGOYARY	SCK/CS-8/2022-23	Borgoyary
JULIAT BASUMATARY	SCK/CS-9/2022-23	Juliat Basumatary
RUGUNG NARZARY	SCK/CS-10/2022-23	Rugung
EDEN NARZARY	SCK/CS-11/2022-23	Eden
NANAK BORGOPYARY	SCK/CS-12/2022-23	Nanak
PRASUN BRAHMA	SCK/CS-13/2022-23	Prasun Brahma
MAOPHUNG LU LAHARY	SCK/CS-14/2022-23	Maophung
NIZRA BASUMATARY	SCK/CS-15/2022-23	Nizra Basumatary
KUMUD BASUMATARY	SCK/CS-16/2022-23	Kumud
DHANANJAY SHAW	SCK/CS-17/2022-23	Dhananjay
JYOTISH KR. SHIL	SCK/CS-18/2022-23	J.S
PROBIR DEBNATH	SCK/CS-19/2022-23	Probir Debnath
SWRJI LAHARY	SCK/CS-20/2022-23	Sworji Lahary
MIZANUR ISLAM	SCK/CS-21/2022-23	Mizanur Islam
HIRAN DAIMARY	SCK/CS-22/2022-23	Hiran Daimary
TULUNGA NARZARY	SCK/CS-23/2022-23	Tulunga
URKHAO BASUMATARY	SCK/CS-24/2022-23	Urkhao Basumatary
HADUNGWRA BRAHMA	SCK/CS-25/2022-23	Hadungwra Brahma
VICKY SINGHA	SCK/CS-26/2022-23	Vicky Singha
TANUJA BRAHMA	SCK/CS-27/2022-23	Tanuja Brahma
NIKUMONI BORO	SCK/CS-28/2022-23	Nikumoni
PREETY BASUMATARY	SCK/CS-29/2022-23	Preety
	SCK/CS-30/2022-23	

**REPORT  
ON  
CERTIFICATE COURSE ON  
INTRODUCTION TO L<sup>A</sup>T<sub>E</sub>X  
Session: 2022 - 23**

Submitted  
by  
**Department of Mathematics**

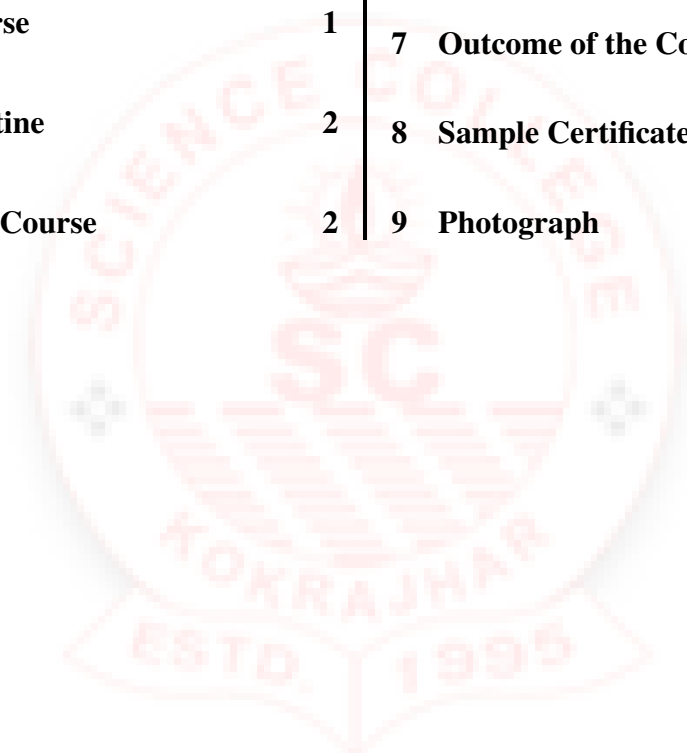


Department of Mathematics  
Science College, Kokrajhar

**SCIENCE COLLEGE, KOKRAJHAR  
BTR, ASSAM**

## Table of Contents

<b>1 Introduction</b>	<b>1</b>	<b>5 Aim and Objective</b>	<b>2</b>
<b>2 Name of Candidates Enrolled in the course</b>	<b>1</b>	<b>6 Syllabus</b>	<b>3</b>
<b>3 Class Routine</b>	<b>2</b>	<b>7 Outcome of the Course</b>	<b>3</b>
<b>4 About the Course</b>	<b>2</b>	<b>8 Sample Certificate</b>	<b>4</b>
		<b>9 Photograph</b>	<b>5</b>



Department of Mathematics  
Science College, Kokrajhar

## Report on Certificate Course on Introduction To $\LaTeX$

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### 1. Introduction

The College provides add-on opportunities to the students with a objective of enhancing their skill in ICT supplementing to their academic curricula. Department of Mathematics introduced certificate course fundamental in  $\LaTeX$  learning with effect from 17<sup>th</sup> of May 2023.

**Name of the Course:** Introduction to  $\LaTeX$  Certificate Course

**Institution:** Science College, Kokrajhar

**Level:** Introductory

**Subject:** Any Subject

**Language:** English

**Number of candidates enrolled:** 20 (Twenty)

**Nature of Course:** Theory and Practical

**Course Duration:** 30 hours (Two Credits)

**Intake:** 20 Nos.

**Evaluation Proce:**

- Class participation - 20 %
- Final examination on
  - Theory 50 Marks
  - Practical 30 Marks

### 2. Name of Candidates Enrolled in the course

1. Mohorgwsa Mushahary	11. Avinash Kumar Sah
2. Nabajita Basumatary	12. Bhaminee Brahma
3. Jupitsir Basumatary	13. Danswrang Brahma
4. Bidyasagar Borgayary	14. Dhreetiman Saha
5. Dhrubo Narayan Roy	15. Dipan Kumar Saha
6. Harshajit Roy	16. Ghanjit Roy
7. Subhankar Kumar Dhar	17. Abhijit Das
8. Mihir Brahma	18. Anamika Barman
9. Sudem Narzary	19. Aditi Dey
10. Albarth Mochahary	20. Priyanka Paul

### 3. Class Routine

Day	Venue	Reporting time
Friday	Hall - 1, Science College, Kokrajhar	3.00 PM - 4.30 PM
Saturday	Hall - 1, Science College, Kokrajhar	3.00 PM - 4.30 PM
Sunday	Hall - 1, Science College, Kokrajhar	3.00 PM - 4.30 PM

### 4. About the Course

LaTeX, a document preparation system, is widely used for publishing in many scientific fields like mathematics, statistics, computer science, engineering, chemistry, physics, economics, linguistics, etc.. It is a powerful and open-source system that provides numerous facilities for automating typesetting of the document: i.e. structuring page layout, listing and auto-numbering of sections, tables, figures, generating a table of contents, managing cross-referencing, citing, and indexing.

Unlike other editors, the content is written in plain text along with appropriate commands, thus, allowing the user to concentrate on the content rather than the aesthetics (the way it looks). The TeX typesetting program which LaTeX uses, was designed so that anyone can create good quality material with less effort. This course introduces the basic concepts of LaTeX. Participants taking this course will be able to confidently create and design documents in LaTeX and presentations in Beamer with confidence.

### 5. Aim and Objective

The main motive is to impart the knowledge and understanding about LaTeX system, explain the procedure of LaTeX typesetting and familiarize the participants with various document formats and packages of LaTeX and enable them to prepare research articles, thesis, books, and presentations with confidence. The broad objectives of the course are:

1. To understand LaTeX, a document preparation system for high - quality scientific typesetting.
2. To understand features of LaTeX.
3. To have hands on experience to become a user of LaTeX.

Department of Mathematics  
Science College, Kokrajhar

### 6. Syllabus

#### Topic 1 : Introduction

Introduction to LaTeX, installation of Latex software. The learner creates the first document using LaTeX and organizes content into sections using the article and book class of LaTeX.

#### Topic 2: Styling

Document classes, preamble, packages, document environment. different paper sizes, examines packages, formats the page by setting margins, customizing header and footer, changing the page orientation, dividing the document into multiple columns. Practical

#### Topic 2: Latex in Mathematics

Mathematical environments, inline mode, display math mode, mathematical symbols, complex mathematical equation. Some common error messages. Practical

#### Topic 3: Formatting Content and Fonts

Introduction to formatting text (styles, size, alignment), adding colors to text and entire page, and adding bullets and numbered items. Practical.

#### Topic 4: Tables and Images

Introduction to creating basic tables, adding simple and dashed borders, merging rows and columns, and handling situations where a table exceeds the size of a page. Practical.

#### Topic 5: Referencing and Indexing

Introduction to add cross-referencing (refer to sections, table, images), add a bibliography (references), and create the back index. Practical.

#### Topic 6: Presentation using Beamer

Introduction to creating slides, adding frames, dividing the slide into multiple columns, adding different blocks, etc. Practical.

After the completion of theory and practical classes, end-term examination was conducted on 10. 07. 2023 (theory and Practical). All the Twenty (20) numbers of candidates appeared in the examination and were declared passed. All the eleven students secure Grade A in their performance.

### 7. Outcome of the Course

Participants, after completion this course of the course will be able to empower themselves in preparing different types of documents in latex.

## 8. Sample Certificate



Department of Mathematics  
Science College, Kokrajhar

## Report on Certificate Course on Introduction To L<sup>A</sup>T<sub>E</sub>X

9. Few snapshots which were clicked during the programme are pasted below:



**Photo 1:** Vice-Principal, Science College, Kokrajhar delivering inaugural speech



**Photo 2:** Students listening speech on latex

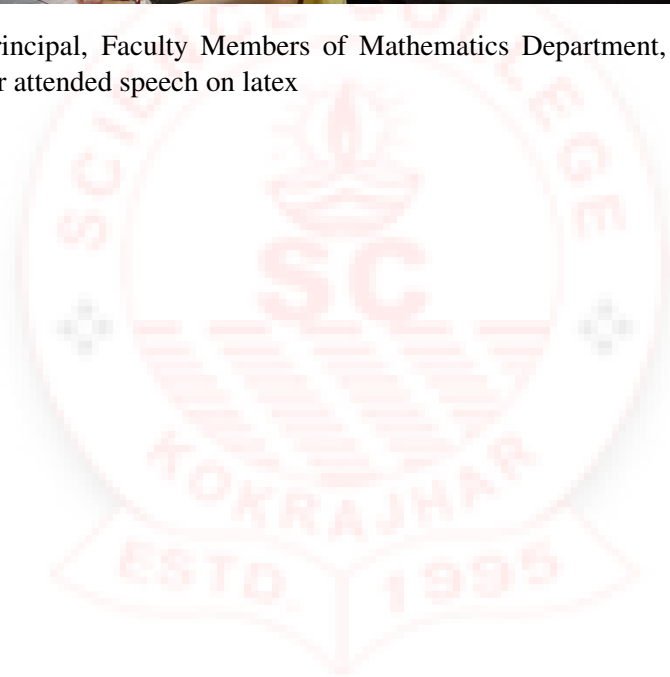


**Photo 3:** Course Coordinator delivering speech on latex





**Photo 4:** Vice-Principal, Faculty Members of Mathematics Department, Students of Science College, Kokrajhar attended speech on latex



# Department of Mathematics Science College, Kokrajhar

**Dr. M. Dhar**  
*HOD*

*Department of Mathematics  
Science College, Kokrajhar*

**Mr. B. C. Ghosh**  
*Course Coordinator*

**REPORT OF CERTIFICATE COURSE IN  
COMMERCIAL FLOWER PRODUCTION**

Submitted  
by  
**Department of Botany**



**SCIENCE COLLEGE, KOKRAJHAR, BTR  
ASSAM 2022-2023**

## INTRODUCTION

Science College, Kokrajhar provides opportunities for under graduate students who have keen interest to undertake career-oriented course in Commercial flower production along with their regular studies. Hence Department of Botany has introduced certificate course in Floriculture (Commercial Flower Production) which is a part of Horticulture with effect from 17<sup>th</sup> of May 2022. Since now a day's commercially production of flowers is a flourishing business, it has application in several fields and therefore there is considerable need for horticulture along with hands in training in the field of Floriculture.

**Name of the course:** Certificate course in Commercial flower production (CEF)

**Eligibility for admission:** 10+2 and onwards

**Institution:** Department of Botany, Science College, Kokrajhar

**Subject:** Open

**Medium of instruction:** English

**Number of candidates enrolled:** 40

**Nature of course:** Theory and practical

**Course duration:** 30 hours

**Evaluation process:** Class participation and final examination

**Mode of examination:** After completion of 30 hours at end semester

**Class Routine:**

Day	Venue	Class	Time
Wednesday	Room no. 10	Theory	3.00- 4.00 pm
Friday	Room no. 10	Theory	3.00- 4.00 pm
Saturday	Botany lab.	Practical	3.00- 4.00 pm

## **ABOUT THE COURSE**

Floriculture is a branch of horticulture that deals with the study of science of flowers and ornamental plants, their cultivation and management process. This discipline of horticulture is also concerned with investigating rare breeds and adding colours to flowers with the introduction of genetic technology. They focus on the farming of ornamental plants for gardens, floral industry and for export. In addition to this, they do jobs like wild harvesting and production of commercial flowers, flower seed, foliage and essential oil crop and production of plant products. Commercial floriculture which is a part of floriculture is the cultivation and management of flowers and ornamental plants on a large scale for commercial purposes. It basically involves production of flowers, foliage and decorative plants primarily for floral and landscaping industries. Since due to increase in domestic need of flowers, the career scope in the field of floriculture is also increasing. Demands for flowers like roses, gerbera, carnation, gladiolus, orchids and lilies is increasing day by day. Floriculture has therefore emerged as a lucrative profession with a much higher potential for returns than most field and many horticultural crops becoming as a major venture on the world scene. Thus, there is need of floriculturists to focus on the farming of ornamental plants for gardens, floral industry and for export.

### **Aim and objective**

The production of floricultural products and their trade once considered as a gardener's activity is now fast becoming an important commercial proposition. At present more than 140 developed or developing countries are busy in the business of floricultural products with world's floricultural production trade reaching a \$50 billion mark.

The north- eastern region having diversified Agro- climatic conditions is suitable for growing a large variety of floricultural crops. It has ample scope to meet the domestic as well as export market and can generate huge employment opportunities and income in the region. It has been observed and felt that the students of science graduate course that evince interest to undertake career- oriented course in horticulture along with their regular studies.

This is because Horticulture has applications in several fields and there is considerable need for Horticulture training for students. Graduates are under graduates with Horticulture knowledge would contribute and become useful citizens of the society. Keeping this in view UGC is introducing the concept of dual-programme of certificate/ diploma courses in Horticulture. The broad objective of this course is:

1. To understand knowledge on improving production and quality of different horticulture crops to become a leading exporter of crop plants.
2. To understand technique of cultivation of flowers and ornamental crops from the time of planting to the time of harvesting.
3. To understand producing of planting materials through seeds, cutting, budding, grafting etc., up to the marketing of the flower and flower produce.

## **SYLLABUS**

### **CCFP-01: Basics of Horticulture**

Unit I: Basics of Horticulture: Definition, branches of horticulture, Importance and scope of horticultural crops, history and development of fruit plants, Current scenario of fruit crops in India. (2 hours)

Unit II: Classification and identification of flower plants (Local variety and species), Study of trees, shrubs, climbers and herb flower plants (2 hours)

Unit III: Identification and uses of some common garden tools (Local and traditional implements, plough, hoe, rake, hedge shears, watering cart) (2 hours)

### **CCFP- 02: Floriculture package and practice**

Unit I: Floriculture: introduction, importance of floriculture from social, economic, health and aesthetic point of view, Commercial Flower Production, package and practice (Soil, climate, irrigation for floriculture, techniques of plant propagation and flower production) (2 hours)

Unit II: Post harvest technology for flowers: Introduction, Post- harvest Management of Cut flower, factors affecting Post harvest life of cut flowers, storage of flowers, care of flowers. (2 hours)

Unit III: Economic aspect of floriculture: Introduction, growing International Trade, Growing domestic trade, Floriculture potential of North East India, Economic aspect of Floriculture, Benefit cost of protected cultivation, future and scope of floriculture in India, employment opportunities, marketing and floristry in Indian scenario particularly in NE India.

(2 hours)

Unit IV: Practical (18hours)

1. Tools and equipments used in horticulture
2. Study of soil types, water holding capacity
3. Study of water gardens
4. Study of terrace gardens
5. Bonsai culture
6. Kitchen garden and lawn
7. Flower arrangement and bookey

### **Scope and outcome of Commercial Flower Production Course**

The people working in the field of floriculture are called as floriculturists. The major responsibility of a floriculturist is cultivation of plants that produce beautiful flowers. Some of the important profiles a floriculturist can do are as follows:

Cultivator

Wholesale florist

Landscape technician

Lecturer

Floral designers

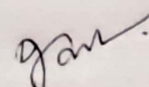
Entrepreneur

Interior decorators

Participants after completion of this course will be able to empower themselves in preparing different types of flower market

## Course Distribution of CEF for the session 2022-2023

Sl. No	Name of the faculty	Course allotted
1	Dr. Jahnovi Brahma	<p>Unit I: Basics of Horticulture: Definition, branches of horticulture, Importance and scope of horticultural crops, history and development of fruit plants, Current scenario of fruit crops in India.</p> <p>Unit III: Economic aspect of floriculture: Introduction, growing International Trade, Growing domestic trade, Floriculture potential of North East India, Economic aspect of Floriculture, Benefit cost of protected cultivation, future and scope of floriculture in India, employment opportunities, marketing and floristry in Indian scenario particularly in NE India.</p>
2	Miss Sujukha Rani Brahma	<p>Unit II: Classification and identification of flower plants (Local variety and species), Study of trees, shrubs, climbers and herb flower plants</p> <p>Unit I: Floriculture: introduction, importance of floriculture from social, economic, health and aesthetic point of view, Commercial Flower Production, package and practice (Soil, climate, irrigation for floriculture, techniques of plant propagation and flower production)</p>
3	Miss Anjali Brahma	<p>Unit III: Identification and uses of some common garden tools (Local and traditional implements, plough, hoe, rake, hedge shears, watering cart)</p> <p>Unit II: Post harvest technology for flowers: Introduction, Post-harvest Management of Cut flower, factors affecting Post harvest life of cut flowers, storage of flowers, care of flowers.</p>



Signature of Co-ordinator

**CERTIFICATE COURSE IN COMMERCIAL FLOWER PRODUCTION**  
**(CEF)**

Department of Botany, Science College, Kokrajhar  
Session 2022-2023

**CLASS ROUTINE FOR CEF**

Month	Date	Class time
		3.00-4.00 pm
February	1/02/2023	JB
	3/02/2023	SRB
	4/02/2023	AB
	8/02/2023	JB
	10/02/2023	SRB
	11/02/2023	AB
	15/02/2023	JB
	17/02/2023	SRB
	18/02/2023	AB
	22/02/2023	JB
	25/02/2023	AB
March	1/03/2023	JB
	3/03/2023	SRB
	4/03/2023	AB
	8/03/2023	JB
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	15/03/2023	JB
	16/03/2023	SRB
	18/03/2023	AB
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	24/03/2023	SRB
31/03/2024	SRB	
April	5/04/2023	JB
	7/04/2023	SRB
	8/04/2023	AB
	12/04/2023	JB
	19/04/2023	JB
	28/04/2023	SRB



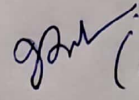
**CERTIFICATE COURSE IN COMMERCIAL FLOWER PRODUCTION**  
**(CEF)**

**Department of Botany, Science College, Kokrajhar**  
**Session 2022-2023**

**LIST OF LEARNERS ENROLLED**

<b>SL. No</b>	<b>Enrollement number</b>	<b>Name of the Student</b>
1	PGB0IT130S21001	Anamika Bismith
2	PGB0IT130S21002	Ansula Brahma
3	PGB0IT130S21003	Anurag Paul
4	PGB0IT130S21004	Bardwi Brahma
5	PGB0IT130S21005	Bidangshree Kachary
6	PGB0IT130S21006	Bijita Brahma
7	PGB0IT130S21007	Christina Brahma
8	PGB0IT130S21008	Deep Rani Goyary
9	PGB0IT130S21009	Diganta Brahma
10	PGB0IT130S21010	Dukesm Khakhlari
11	PGB0IT130S21011	Geremsa Basumatary
12	PGB0IT130S21012	Janakhi Basumatary
13	PGB0IT130S21013	Jogesh Boro
14	PGB0IT130S21014	Juli Basumatarty
15	PGB0IT130S21015	Jumi Brahma
16	PGB0IT130S21016	Jwngma Basumatary
17	PGB0IT130S21017	Militha Narzary
18	PGB0IT130S21018	Milose Daimary
19	PGB0IT130S21019	Monika Mushahary
20	PGB0IT130S21020	Mousumi Basumatary
21	PGB0IT130S21021	Mridul kumar Brahma
22	PGB0IT130S21022	Niharika Basumatary
23	PGB0IT130S21023	Nilonjana Rajbonshi
24	PGB0IT130S21024	Nirupa Saha

25	PGB0IT130S21025	<b>Puja Bhandary Chetri</b>
26	PGB0IT130S21026	<b>Priti Devi</b>
27	PGB0IT130S21027	<b>Priyajita Brahma</b>
28	PGB0IT130S21028	<b>Priyanka Basumatary</b>
29	PGB0IT130S21029	<b>Randeep Tudu</b>
30	PGB0IT130S21030	<b>Reeya Dutta</b>
31	PGB0IT130S21031	<b>Ringkhangsri Daimary</b>
32	PGB0IT130S21032	<b>Riya Daimary</b>
33	PGB0IT130S21033	<b>Rwmwidw Brahma</b>
34	PGB0IT130S21034	<b>Sangita Mushahary</b>
35	PGB0IT130S21035	<b>Sibani Owary</b>
36	PGB0IT130S21036	<b>Simran Basak</b>
37	PGB0IT130S21037	<b>Sweety Ghosh</b>
38	PGB0IT130S21038	<b>Tapasya Choudhary</b>
39	PGB0IT130S21039	<b>Twinkle Narzary</b>
40	PGB0IT130S21040	<b>Urabashee Boro</b>

 (Dr. Jahnavi Brahma)  
Signature of Co-ordinator



**Science College, Kokrajhar**

**A**

**Report on**

**Certificate Course on**

**“Occupational Health and Functional  
Ergonomics”**

**Session – 2022 – 2023**

**Submitted by  
Department of Physiotherapy**

**About the Course:**

Ergonomics is the study of people in their workplace and is the process in which workplaces, products and systems are designed or rearranged so that they fit the people who use them. It aims to improve workspaces and environments to reduce the risk of injury.

**International Ergonomics Association** definition: "Ergonomics is the scientific discipline concerned with the understanding of interactions among humans and other elements of a system, and the profession that applies theory, principles, data and methods to design in order to optimize human well-being and overall system performance."

Ergonomics is a **science-based discipline**. It brings together knowledge from anatomy and physiology, psychology, engineering and statistics and ensures that the designs complement the strengths and abilities of people who use it.

Workers in many different occupations can be exposed to risk factors at work, such as lifting heavy items, bending, reaching overhead, pushing and pulling heavy loads, working in awkward body postures and performing the same or similar tasks repetitively. Exposure to these known risk factors leads to a Musculo skeletal disorders, which affects the muscles, nerves, blood vessels, ligaments and tendons.

Work-related MSDs can be prevented. Ergonomics means fitting a job to a person in order to lessen muscle fatigue, increases productivity and reduces the number and severity of work-related MSDs.

It aims to improve workspaces and environments to reduce the risk of injury.

This course will cover what ergonomics is (and isn't), musculoskeletal disorders caused by poor ergonomics, ergonomics-related risk factors, common ergonomics assessment tools, and controls to mitigate/reduce ergonomics-related risk factors and musculoskeletal disorders.

**DEPARTMENT OF PHYSIOTHERAPY  
SCIENCE COLLEGE, KOKRAJIAR  
CERTIFICATE COURSE**

**OCCUPATIONAL HEALTH & FUNCTIONAL ERGONOMICS**

**Course Objectives:** The main objectives of this course is to gain basic concepts, theory and techniques to solve important issues related to Occupational safety and health that would motivate the students and help them to understand the importance to improve and protect employee health in the workplace that includes the physical, mental and social health of employees and also to learn to use equipment, tools, and machines more safely, work with proper posture and equipment suited to their physical needs. The following are some other objectives in this regard:

- To prevent and overcome many physical, emotional or social disabilities in people of all ages.
- To promote, maintain and/or restore functional independence in daily living skills.
- To achieve a harmonized system, taking into consideration of the consequences of technology on human relationships, processes and organizations.

**Duration of the course:** 30 hours

**Credits:** 2

**Eligibility:** BPT IV Semester

**Course Curriculum:**

**Unit-I Occupational health [4 hrs.]**

- Introduction.
- Objective & basic concepts of Occupational health.
- Reorganization of health hazards.
- Early detection of Occupational diseases.

**Unit-II Ergonomics [5 hrs.]**

- Definitions of terms: Ergonomics, Ergonomists. Social significance of ergonomics.
- Biomechanical, Physiological & Anthropometric factors related to ergonomics.
- Ergonomical aspects of Postures like Sitting, Standing, Hand & arm postures.
- Ergonomical aspects of movements like Pushing, Pulling, Lifting & carrying.

**Unit-III Environmental factors & ergonomics [3 hrs.]**

- Noise, Light, Vibration, Climate & Chemical substances.

**Unit-IV Occupational ergonomics [6 hrs.]**

- Work environment and control measures in work place.
- Prevention of occupational diseases and accidents.
- Effects of lifestyle and behavior on health.
- Health education in the workplace.

**Unit-V Occupational ergonomics in special areas [6 hrs.]**

- Industrial worker.
- Agriculture and rural areas.
- Working women.
- IT – BPO industries.

**Practical [6 hrs.]**

- Ergonomic evaluation
- Risk assessment

**Student Learning Outcomes:**

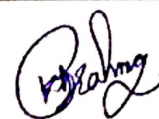
- Discuss theoretical and practical concept of posture assessment and anthropometric measurements of human body.
- Describe body mechanics to be used for lifting, reaching, pushing, pulling and carrying objects while sitting, standing, and moving from one place to other.
- Describe how work environment be related to ergonomics and reduction of risks.
- Detect work hazardous assessment as related to occupation and its environment
- Evaluate work hazardous practice for various industries

**Evaluation Pattern:**

Pattern	Marks	Minimum Marks
Theory (MCQ)	40	20
Practical	10	05
Total	50	25

**Department of Physiotherapy**  
**Course Distribution for Certificate Course**  
**Session – 2022 - 2023**

Sl. No.	Faculty Name	Unit
1.	Dr. Kanehan Kanti Brahma (PT)	<p><b>Unit-I Occupational health [4 hrs.]</b></p> <ul style="list-style-type: none"> <li>• Introduction.</li> <li>• Objective &amp; basic concepts of Occupational health.</li> <li>• Reorganization of health hazards.</li> <li>• Early detection of Occupational diseases.</li> </ul> <p><b>Unit-II Ergonomics [5 hrs.]</b></p> <ul style="list-style-type: none"> <li>• Definitions of terms: Ergonomics, Ergonomists. Social significance of ergonomics.</li> <li>• Biomechanical, Physiological &amp; Anthropometric factors related to ergonomics.</li> <li>• Ergonomical aspects of Postures like Sitting, Standing, Hand &amp; arm postures.</li> <li>• Ergonomical aspects of movements like Pushing, Pulling, Lifting &amp; carrying.</li> </ul>
2.	Dr. Husne Ara Tarannum Laskar (PT)	<p><b>Unit-III Environmental factors &amp; ergonomics [3 hrs.]</b></p> <ul style="list-style-type: none"> <li>• Noise, Light, Vibration, Climate &amp; Chemical substances.</li> </ul> <p><b>Unit-IV Occupational ergonomics [6 hrs.]</b></p> <ul style="list-style-type: none"> <li>• Work environment and control measures in work place.</li> <li>• Prevention of occupational diseases and accidents.</li> <li>• Effects of lifestyle and behavior on health.</li> <li>• Health education in the workplace.</li> </ul>
3.	Dr. Susmita Bezbaruah (PT)	<p><b>Unit-V Occupational ergonomics in special areas [6 hrs.]</b></p> <ul style="list-style-type: none"> <li>• Industrial worker.</li> <li>• Agriculture and rural areas.</li> <li>• Working women.</li> <li>• IT – BPO industries.</li> </ul> <p><b>Practical [6 hrs.]</b></p> <ul style="list-style-type: none"> <li>• Ergonomic evaluation</li> <li>• Risk assessment</li> </ul>



**Signature of Co-Ordinator**

### Grading System:

Range of Marks	Grades	Grade Points
46 – 50	A+	9
45 – 45	A	8
36 – 40	B+	7
31 – 35	B	6
26 – 30	C+	5
21 – 25	C	4
16 – 20	Fail	0

### Recommended Textbooks:

- Salvendy, G. (Ed.). (2012). Handbook of human factors and ergonomics. John Wiley & Sons.
- Stack, T., Ostrom, L. T., & Wilhelmsen, C. A. (2016). Occupational ergonomics: A practical approach. John Wiley & Sons.
- Waqar Naqvi. Physiotherapy in community health and rehabilitation.

### Reference Books:

- M. Rabiul & Ahasan: Occupational Health, Safety and Ergonomic issues in small and medium- sized Enterprises in a Developing Country. OULU 2002.
- Waldemar Karwowski & William S. Marras: Occupational Ergonomics – Design Benjamin O. ALLI, Fundamental Principles of Occupational Health and Safety, Second edition, ILO International Labor Organization 2008.
- Occupational Health: A manual for primary health care workers; WHOEM/OCH/85/E/L.



**CERTIFICATE COURSE**  
**Department of Physiotherapy**  
**Science College, Kokrajhar**  
**Session 2022-2023**

**Paper Title: OCCUPATIONAL HEALTH AND FUNCTIONAL ERGONOMICS**  
**Paper Code: OHFE**  
**Level – Semester IV**

Sl. No.	Enrollment Number	Name of the Student
1	UG130T21001	Ankita Devi
2	UG130T21002	Bhakti Priya Roy
3	UG130T21003	Bhumika Boro
4	UG130T21005	Daiji Rani Basumatary
5	UG130T21006	Ibha Rani Brahma
6	UG130T21008	Jubli Rani Basumatary
7	UG130T21009	Julhina Parbin
8	UG130T21011	Pallabi Barman
9	UG130T21012	Pinku Basumatary
10	UG130T21014	Preety Newar
11	UG130T21015	Rejaul Hoque
12	UG130T21016	Robiul Hasanur Rohman Mollah
13	UG130T21017	Sankumar Narzary
14	UG130T21018	Trisha Karjee

### REGISTER OF ATTEND- FOR THE MONTH

### ANCE OF PUPILS of April

Sl. No.	Roll No.	NAME OF PUPILS
1		Ankita Devi
2		Shakli Devi S/o
3		Sumita Devi
4		Devi S/o Basimulay
5		Uma S/o Sathya
6		Usha S/o Basimulay
7		Usha S/o
8		Usha S/o
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Roll No.	ATTEND -																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
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**DPT 4TH SEMESTER**  
**Session 2022 - 2023**  
**EXAM ATTENDANCE 2023**  
**Certificate Course -Occupational Health and Functional Ergonomics (OHFE)**  
**DEPARTMENT OF PHYSIOTHERAPY**  
**SCIENCE COLLEGE KOKRAJHAR**

Date: 06.06.23

SL.NO.	Roll No.	Name	
1	UG130T21001	ANKITA DEVI	Ankita Devi
2	UG130T21002	BHAKTI PRIYA ROY	Bhakti P. Roy.
3	UG130T21003	BHUMIKA BORO	B. Boro
4	UG130T21005	DAHI RANI BASUMATARY	X
5	UG130T21006	IBHA RANI BRAHMA	Ibha Rani Brahma
6	UG130T21008	JUBLI RANI BASUMATARY	Jubli Rani Basumatary
7	UG130T21009	JULHINA PARBIN	Julhina Parbin
8	UG130T21011	PALLABI BARMAN	Pallabi Barman
9	UG130T21012	PINKU BASUMATARY	Pinku Basumatary
10	UG130T21014	PREETY NEWAR	Preety Newar
11	UG130T21015	REJAUL HOQUE	Rejaul Hoque
12	UG130T21016	ROBIUL HASANUR ROHMAN MOLLAH	Robiul Hasanur Rohman Mollah
13	UG130T21017	SANKUMAR NARZARY	Sankumar Narzary
14	UG130T21018	TRISHA KARJEE	Trisha Karjee

Invigilator Signature:



ENROLLMENT NUMBER	NAME	CONTACT NUMBER	DATE	SIGNATURE
DE120121001	Amila Devi	6004163199	20/02/2023	Amila Devi
DE120121002	Shakila Firdos Begum	6905513839	20/02/2023	Shakila Firdos Begum
DE120121003	Rahmika Bano	9954038411	20/02/2023	Rahmika Bano
DE120121005	Daini Rani Basumatary	8011668136	20-02-2023	Daini Rani Basumatary
DE120121006	Isha Rani Basumatary	6003536450		Isha Rani Basumatary
DE120121007	Jubi Rani Basumatary	9707476973		Jubi Rani Basumatary
DE120121009	Tullima Parbin	9127380291		Tullima Parbin
DE120121011	Pallabi Barman	8135081650		Pallabi Barman
DE120121012	Pinku Basumatary	7896851775		Pinku Basumatary
DE120121014	Preety Newar	8822305503		Preety Newar
DE120121015	Rejaul Hoque	9361382512		Rejaul Hoque
DE120121016	Rabidul Hasnain Rohman Mollah	813891534		Rabidul Hasnain Rohman Mollah
DE120121017	Sambhar Narzary	8453580314		Sambhar Narzary
DE120121018	Trisha Karjee			Trisha Karjee



**DEPARTMENT OF PHYSIOTHERAPY**  
**SCIENCE COLLEGE, KOKRAJHAR**

P.O. & Dist.- Kokrajhar BTR, Assam- 783370

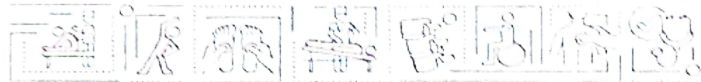


*Certificate of Completion*

This certificate is presented to \_\_\_\_\_ a student of Science College, Kokrajhar bearing Roll no. \_\_\_\_\_ for successfully completing the Certificate Course on "Occupational Health and Functional Ergonomics" (OHFE) with course duration of 30 hours held in the session\_\_\_\_\_. He/She has obtained Grade\_\_\_\_\_.

Dr. Ramananda Sinha  
Principal  
Science College, Kokrajhar

Dr. Kanchan Kanti Brahma (PT)  
Co-ordinator & HOD  
Department of Physiotherapy  
Science College, Kokrajhar



Certificate no.

Date of issue:-

05.09.23.

A general meeting was held with the Board of Studies for the conference Hall-1 for the discussion of appointing course-coordinator for the certificate course "Occupational Health and Functional Ergonomics" and the house unanimously voted Dr. Kanchan Kanti Bhattacharya (PT) to continue as the co-ordinator for the session 22-23.

Members Present:

1. Dr. S. Chakraborty

2. Dr. Biswajit Nath

3. Kanchan Kanti Bhattacharya

4. Mr. Mr. Sudeep Dey

5. Dr. Neheli A. Kausar

6. Shome Aka Tarananda Kuskar



**Report on**  
**Certificate Course in Communicative English**  
**Session 2022-2023**



**Department of English**  
**Science College, Kokrajhar**

**CERTIFICATE COURSE IN COMMUNICATIVE ENGLISH**

**DEPARTMENT OF ENGLISH**

**SCIENCE COLLEGE, KOKRAJHAR**

**INTRODUCTION:** The course will help the students understand the use of language, to work on grammar, pronunciation and to expose the students to English in life-like situations outside the classroom.

**NAME OF THE COURSE:** Certificate Course in Communicative English

**COURSE CODE:** CCCE

**INSTITUTION:** Science College, Kokrajhar

**LEVEL:** Semester I

**SUBJECT:** Any

**NUMBER OF STUDENTS:** 50 (Fifty)

**NATURE OF COURSE:** Theory

**DURATION OF COURSE:** 30 hrs, 2 classes a week for 2 hrs (Approximately 3 months)

**COURSE STRUCTURE:** 100 Marks

**MEDIUM OF INSTRUCTION:** English

**CLASS HOURS:** 3:00-5:00 /2: 00-4:00 PM (twice a week, preferably Friday & Saturday)

**EVALUATIVE METHOD:** The course will be based on internal assessment and written examination on the entire course content; 20% Viva-Voce and, 80% Written. Minimum mark to pass is 40%.

**COUNSELLOR(s):** Mrs Tribeni Mandal, Dr Mamoni Dhar, Miss P J Sapruna

**ABOUT THE COURSE:** To impart knowledge about the appropriateness in grammar and acceptability of the English language. It would help the students to be able to effectively communicate in the language. It would involve using appropriate grammar, vocabulary and pronunciation to convey ideas and information.

**AIM AND OBJECTIVE:** To enable the students, learn correct pronunciation, spelling, meaning and usage of English vocabularies. To make them frame correct sentences with known vocabularies. To enhance the student's communication skills by giving adequate exposure in writing skills and achieve communicative goals in a socially appropriate manner.

**OUTCOME OF THE COURSE:**

- Students will be confident enough to communicate in English in and outside the institution.
- Students will be able to pronounce accurately.
- Students will have a good command over the language.

**SYLLABUS:**

**TOPIC 1:** Pronunciation (Speech Mechanism, Vowels and Consonants, Organs of Speech, Phonetic Alphabet)

**TOPIC 2:** Grammar and Vocabulary (Time and Tense, Word Formation, Word Power)

**BOOKS FOR REFERENCE:**

1. A.S. HORNBY, OXFORD ADVANCED LEARNER'S DICTIONARY OF CURRENT ENGLISH (O.U.P).
2. A TEXTBOOK OF ENGLISH PHONETICS FOR INDIAN STUDENTS BY T. BALASUBRAMANIAN.
3. ENGLISH PRONOUNCING DICTIONARY BY DANIEL JONES.
4. RAYMOND MURPHY, ESSENTIAL ENGLISH GRAMMAR, NEW DELHI: CAMBRIDGE UNIVERSITY PRESS, 1992.
5. A REMEDIAL ENGLISH GRAMMAR- F.T. WOODS.
6. CURRENT ENGLISH GRAMMAR AND USAGE WITH COMPOSITION-R.P. SINHA

**ENROLMENT SHEET:**

Serial No	Name	Class	Signature
1	Birkhang Brahma	BSc Semester I	Birkhang Brahma
2	Derhasat Basumatary	BSc Semester I	Derhasat Basumatary
3	Bibek Barman	BSc Semester I	Bibek Barman
4	Nabanita Roy	BSc Semester I	Nabanita Roy
5	Nikita Narzary	BSc Semester I	Nikita Narzary
6	Ujjal Roy	BSc Semester I	Ujjal Roy
7	Jonmoni Adhikary	BSc Semester I	Jonmoni Adhikary.
8	Sanjana Tirkey	BSc Semester I	Sanjana Tirkey
9	Barnali Brahma	BSc Semester I	Barnali Brahma
10	Bihatoma Basumatary	BSc Semester I	Bihatoma Basumatary
11	Ankita Saha	BSc Semester I	Ankita Saha
12	Arpita Saha	BSc Semester I	Arpita Saha
13	Deepa Sarkar	BSc Semester I	Deepa Sarkar
14	Dimpi Brahma	BSc Semester I	Dimpi Brahma
15	Disha Koch	BSc Semester I	Disha Koch
16	Jiban Gayary	BSc Semester I	Jiban Gayary
17	Kumar Daimary	BSc Semester I	Kumar Daimary
18	Mihir Brahma	BSc Semester I	Mihir Brahma
19	Newton Roy	BSc Semester I	Newton Roy
20	Priya Barman	BSc Semester I	Priya Barman
21	Raj Brahma	BSc Semester I	Raj Brahma
22	Rimi Saha	BSc Semester I	Rimi Saha
23	Rup Sen	BSc Semester I	Shreya Paul
24	Shreya Paul	BSc Semester I	Shreya Paul
25	Subha Dey	BSc Semester I	Subha Dey
26	Abhishek Agarwala	BSc Semester I	Abhishek Agarwala
27	Aman Saha	BSc Semester I	Aman Saha
28	Ambika Sarkar	BSc Semester I	Ambika Sarkar
29	Aparna Das	BSc Semester I	Aparna Das
30	Bebita Brahma	BSc Semester I	Bebita Brahma

31	Chandra Debnath	BSc Semester I	Chandra Debnath
32	Debopriya Saha	BSc Semester I	Debopriya Saha
33	Dhrubajit Brahma	BSc Semester I	Dhrubajit Brahma
34	Dwimu Brahma	BSc Semester I	Dwimu Brahma
35	Gelio Narzary	BSc Semester I	Gelio Narzary
36	Harshajit Roy	BSc Semester I	Harshajit Roy
37	Jaya Gope	BSc Semester I	Jaya Gope
38	Jiuma Gayary	BSc Semester I	Jiuma Gayary
39	Jubida Khanom	BSc Semester I	Jubida Khanom
40	Kanchan Basumatary	BSc Semester I	Kanchan Basumatary
41	Mithisar Islary	BSc Semester I	Mithisar Islary
42	Priyanka Kalita	BSc Semester I	Priyanka Kalita
43	Prosanto Lahary	BSc Semester I	Prosanto Lahary
44	Rwirup Narzary	BSc Semester I	Rwirup Narzary
45	Sania Basumatary	BSc Semester I	Sania Basumatary
46	Shitasri Narzary	BSc Semester I	Shitasri Narzary
47	Sudem Narzary	BSc Semester I	Sudem Narzary
48	Sumit Kr Basumatary	BSc Semester I	Sumit Kr Basumatary
49	Tunlai Narzary	BSc Semester I	Tunlai Narzary
50	Thulunga Narzary	BSc Semester I	Thulunga Narzary

Signature

## RESULT

Following students were enrolled and they have completed the certificate course in Communicative English for the session 22-23.

Intake: 50

Enrolled: 50

Serial No	Name	Total Marks	Marks Obtained	Result
1	Bikhang Brahma	100	45	Pass
2	Derhasat Basumatary	100	57	Pass
3	Bibek Barman	100	53	Pass
4	Nabanita Roy	100	63	Pass
5	Nikita Narzary	100	57	Pass
6	Ujjal Roy	100	57	Pass
7	Jonmoni Adhikary	100	45	Pass
8	Sanjana Tirkey	100	63	Pass
9	Barnali Brahma	100	57	Pass
10	Bihatoma Basumatary	100	57	Pass
11	Ankita Saha	100	67	Pass
12	Arpita Saha	100	63	Pass
13	Deepa Sarkar	100	57	Pass
14	Dimpi Brahma	100	57	Pass
15	Disha Koch	100	67	Pass
16	Jiban Gayary	100	45	Pass
17	Kumar Daimary	100	57	Pass
18	Mihir Brahma	100	53	Pass
19	Newton Roy	100	63	Pass
20	Priya Barman	100	57	Pass
21	Raj Brahma	100	57	Pass
22	Rimi Saha	100	60	Pass
23	Rup Sen	100	54	Pass
24	Shreya Paul	100	72	Pass
25	Subha Dey	100	75	Pass
26	Abhishek Agarwala	100	45	Pass
27	Aman Saha	100	56	Pass
28	Ambika Sarkar	100	49	Pass
29	Aparna Das	100	49	Pass
30	Bebita Brahma	100	80	Pass
31	Chandra Debnath	100	78	Pass
32	Debopriya Saha	100	85	Pass

33	Dhrubajit Brahma	100	49	Pass
34	Dwimu Brahma	100	43	Pass
35	Gelio Narzary	100	76	Pass
36	Harshajit Roy	100	75	Pass
37	Jaya Gope	100	55	Pass
38	Jiuma Gayary	100	50	Pass
39	Jubida Khanom	100	54	Pass
40	Kanchan Basumatary	100	53	Pass
41	Mithisar Islary	100	63	Pass
42	Priyanka Kalita	100	57	Pass
43	Prosanto Lahary	100	46	Pass
44	Rwirup Narzary	100	43	Pass
45	Sania Basumatary	100	48	Pass
46	Shitasri Narzary	100	44	Pass
47	Sudem Narzary	100	76	Pass
48	Sumit Kr Basumatary	100	55	Pass
49	Tunlai Narzary	100	54	Pass

Signature

*Tribeni Mandal*

Tribeni Mandal  
Asst. Prof.  
Department of English  
Science College, Kokrajhar

01	16	Bikashy Brahma
02	23	Debasmita Basumatary
03	12	Bibek Barman
04	56	Nidhanta Roy
05	59	Nilita Nagary
06	88	Ujal Roy
07	42	Jomoni Akhary
08	77	Sanjana Jaiskey
09	10	Bishali Brahma
10	15	Ichitoma Basumatary
11	06	Ankita Saha
12	08	Asmita Saha
13	21	Leena Sarkar
14	28	Shimpi Brahma
15	25	Shiba Kach
16	37	Diban Gayary
17	45	Kumar Chainary
18	48	Mihir Brahma
19	53	Newton Roy
20	57	Pritya Barman
21	61	Raj Brahma





**Department of English**  
**SCIENCE COLLEGE, KOKRAJHAR**  
**P.O. & Dist.- Kokrajhar, BTR, Assam - 783370**

*Certificate of Completion*

*This certificate is presented to .....  
a student of BSc Sem ..... for successfully completing the Certificate  
Course in Communicative English (CCCE) with course duration of  
30 Hrs. He/She has obtained Grade .....*

*Dr. Ramananda Sinha*  
*Principal*  
*Science College, Kokrajhar*

*Dr. Tribeni Mandal*  
*Course Coordinator*  
*CCCE, Dept. of English*  
*Science College, Kokrajhar*

*Certificate No. CCCE/2022-23/*

*Date of Issue :-*



**A REPORT ON THE CERTIFICATE COURSE CONDUCTED BY THE  
DEPARTMENT OF ENGLISH**



**SCIENCE COLLEGE, KOKRAJHAR  
FOR THE SESSION 2021-22**

**CERTIFICATE COURSE IN COMMUNICATIVE ENGLISH**

**DEPARTMENT OF ENGLISH**

**SCIENCE COLLEGE, KOKRAJHAR**

**INTRODUCTION:** The course will help the students understand the use of language, to work on grammar, pronunciation and to expose the students to English in life-like situations outside the classroom.

**NAME OF THE COURSE:** Certificate Course in Communicative English

**COURSE CODE:** CCCE

**INSTITUTION:** Science College, Kokrajhar

**LEVEL:** Semester I

**SUBJECT:** Any

**NUMBER OF STUDENTS:** 50 (Fifty)

**NATURE OF COURSE:** Theory

**DURATION OF COURSE:** 30 hrs, 2 classes a week for 2 hrs (Approximately 3 months)

**COURSE STRUCTURE:** 100 Marks

**MEDIUM OF INSTRUCTION:** English

**CLASS HOURS:** 3:00-5:00 /2: 00-4:00 PM (twice a week, preferably Friday & Saturday)

**EVALUATIVE METHOD:** The course will be based on internal assessment and written examination on the entire course content; 20% Viva-Voce and, 80% Written. Minimum mark to pass is 40%.

**COUNSELLOR(s):** Mrs Tribeni Mandal, Dr Mamoni Dhar, Miss P J Saprana

### **BOARD OF STUDIES**

**CHAIRPERSON:** Dr Sharmistha Chakraborty, Vice- Principal, Science College,  
Kokrajhar

**MEMBER SECRETARY:** Mrs. Tribeni Mandal, Asst. Prof. & HOD, English,  
Science College, Kokrajhar

### **MEMBERS**

Biswajit Nath, Co-ordinator, IQAC, Science College, Kokrajhar

Dr Mamoni Dhar, Asst. Prof. & HOD, Dept of Mathematics, Science College,  
Kokrajhar

Dr Jahnovi Brahma, Asst. Prof., Dept of Botany, Science College, kokrajhar

Miss P J Saprana, Asst. Prof., Dept of Zoology, Science College, kokrajhar

### **COURSE COORDINATOR**

Mrs Tribeni Mandal, Asst. Prof. & HOD, English, Science College, Kokrajhar

Certificate of completion will be issued to the participants who successfully completes and  
passes the examinations.

*Approved*

A handwritten signature in black ink, consisting of a large, stylized 'S' followed by a vertical line and a horizontal stroke at the top.

**ABOUT THE COURSE:** To impart knowledge about the appropriateness in grammar and acceptability of the English language. It would help the students to be able to effectively communicate in the language. It would involve using appropriate grammar, vocabulary and pronunciation to convey ideas and information.

**AIM AND OBJECTIVE:** To enable the students, learn correct pronunciation, spelling, meaning and usage of English vocabularies. To make them frame correct sentences with known vocabularies. To enhance the student's communication skills by giving adequate exposure in writing skills and achieve communicative goals in a socially appropriate manner.

**OUTCOME OF THE COURSE:**

- Students will be confident enough to communicate in English in and outside the institution.
- Students will be able to pronounce accurately.
- Students will have a good command over the language.

**SYLLABUS:**



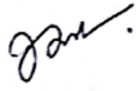


**TOPIC 1:** Pronunciation (Speech Mechanism, Vowels and Consonants, Organs of Speech, Phonetic Alphabet)

**TOPIC 2:** Grammar and Vocabulary (Time and Tense, Word Formation, Word Power)

**BOOKS FOR REFERENCE:**

1. A.S. HORNBY, OXFORD ADVANCED LEARNER'S DICTIONARY OF CURRENT ENGLISH (O.U.P).
2. A TEXTBOOK OF ENGLISH PHONETICS FOR INDIAN STUDENTS BY T. BALASUBRAMANIAN.
3. ENGLISH PRONOUNCING DICTIONARY BY DANIEL JONES.
4. RAYMOND MURPHY, ESSENTIAL ENGLISH GRAMMAR, NEW DELHI: CAMBRIDGE UNIVERSITY PRESS, 1992.
5. A REMEDIAL ENGLISH GRAMMAR- F.T. WOODS.
6. CURRENT ENGLISH GRAMMAR AND USAGE WITH COMPOSITION-R.P. SINHA

The syllabus for Certificate Course In Communicative English for the session 2021-22 is designed by the Board of Studies, Science College in the presence of the following members.

Name	Designation	Responsibility	Signature
1. Dr Sharmistha Chakraborty	Vice- Principal Science College, Kokrajhar	Chairperson	
2. Biswajit Nath	Co-ordinator, IQAC Science College, Kokrajhar	Member	
3. Dr Jahnovi Brahma	Assistant Professor Dept. of Botany Science College, Kokrajhar	Member	
4. Mrs P J Saprana	Assistant Professor Dept. of Zoology Science College, Kokrajhar	Member	
5. Mrs Fulmoni Basumatary	Assistant Professor Dept of English Science College, Kokrajhar	Member	
6. Tribeni Mandal	HOD, Dept. of English Dept. of English Science College, Kokrajhar	Member Secretary	

**RESOLUTION OF THE MEETING OF BOARD OF STUDIES HELD ON 25/10/2021**

1. A joint meeting of the members of the Board of Studies with the Department of English regarding the Certificate Course in Communicative English (CCCE) resolved to approve the syllabus designed by the Department of English.
2. The regulations for the course, credit, duration, and evaluation pattern will be strictly followed as per the course structure and syllabus.
3. Considering the need of the hour, this course is going to be started from the session 2021-22 in the Department of English open to students from all the departments. It will henceforth continue in the sessions to be followed.
4. Mrs Tribeni Mandal, Assistant Professor, Department of English is assigned the duty of the course coordinator.



Dr Sharmistha Chakraborty  
Chairperson  
Board of Studies



Dated 26/10/21

Science College, Kokrajhar

Proceeding of the first meeting of the Board of Studies of the Certificate Course in English of Science College, Kokrajhar held on 25/10/2021 at Conference Hall 1.

Members Present:

1. Dr Sharmistha Chakraborty - Chairperson, CCCE
2. Biswajit Nath - Co-ordinator, IQAC, Member
3. Dr Mamoni Dhar - Asst Prof. & HOD, Dept of Maths, Member
4. Mrs P J Saprana - Asst Prof. Dept of Zoology, Member
5. Dr Jahnovi Brahma - Asst Prof. Dept of Botany, Member
6. Mrs Tribeni Mandal - Asst Prof & HOD, Member Secretary

The Board of Studies resolved to approve the syllabus designed by the Department of English regarding the Certificate Course in English. The regulations for the course, credit, duration and evaluation pattern will be strictly followed as per the course structure and syllabus. The course will be starting from 2021-22 session. Mrs Tribeni Mandal, Asst Prof, Dept of English will act as the course coordinator.

*Tribeni Mandal*

Tribeni Mandal

Asst Professor

Dept of English

Science college, Kokrajhar

**PROPOSED BOARD OF STUDIES**

**PRESIDENT: Dr Sharmistha Chakraborty**

**MEMBERS:**

**Dr Jahnovi Brahma**

**Biswajit Nath**

**Mrs P J Saprana**

**Mrs Fulmoni Dasumatary.**

**MEMBER SECRETARY: Tribeni Mandal**

**Signature**

*Tribeni Mandal*

**Tribeni Mandal**

**Assistant professor & HOD**

**Department of English**

**Science College, Kokrajhar 783370**

*Approved*  
*H*

**ENROLMENT SHEET:**

Serial No	Name	Class	Signature
1	Yashraj Brahma	BSc Semester I	Yashraj Brahma
2	Bijork Basumatary	BSc Semester I	Bijork Basumatary
3	Nonitha Brahma	BSc Semester I	Nonitha Brahma
4	Joba Rani Basumatary	BSc Semester I	Joba Rani Basumatary
5	Neha Balmiki	BSc Semester I	Neha Balmiki
6	Rosmi Basumatary	BSc Semester I	Rosmi Basumatary
7	Priyanka Boro	BSc Semester I	Priyanka Boro
8	Dhreetiman Saha	BSc Semester I	Dhreetiman Saha
9	Nijwm Basumatary	BSc Semester I	Nijwm Basumatary
10	Sangita Biswas	BSc Semester I	Sangita Biswas
11	Bishan Choudhury	BSc Semester I	Bishan Choudhury
12	Deepanjali Narzary	BSc Semester I	Deepanjali Narzary
13	Samaina Boro	BSc Semester I	Samaina Boro
14	Kalpana Singh	BSc Semester I	Kalpana Singh
15	Raj Singh	BSc Semester I	Raj Singh
16	Pami Brahma	BSc Semester I	Pami Brahma
17	Julie Brahma	BSc Semester I	Julie Brahma
18	Anita Barman	BSc Semester I	Anita Barman
19	Purabi Nath	BSc Semester I	Purabi Nath
20	Nelson Brahma	BSc Semester I	Nelson Brahma
21	Sukla Debnath	BSc Semester I	Sukla Debnath
22	Pronita Barman	BSc Semester I	Pronita Barman
23	Sneha Debnath	BSc Semester I	Sneha Debnath
24	Devojit Brahma	BSc Semester I	Devojit Brahma
25	Ayush Aich	BSc Semester I	Ayush Aich
26	Niha Brahma	BSc Semester I	Niha Brahma
27	Sujata Seal	BSc Semester I	Sujata Seal
28	Uma Pachi	BSc Semester I	Uma Pachi
29	Sanchita Dey	BSc Semester I	Sanchita Dey
30	Shreya Saha	BSc Semester I	Shreya Saha

31	Kalpita Sarma	BSc Semester I	Kalpita Sarma
32	Ashish Paul	BSc Semester I	Ashish Paul
33	Anand Koch	BSc Semester I	Anand Koch
34	Sourav Saha	BSc Semester I	Sourav Saha
35	Arindam Roy	BSc Semester I	Arindam Roy
36	Jumi Narzary	BSc Semester I	Jumi Narzary
37	Nargis Sultana	BSc Semester I	Nargis Sultana
38	Anjali Sarkar	BSc Semester I	Anjali Sarkar
39	Hili Boro	BSc Semester I	Hili Boro
40	Puja Roy	BSc Semester I	Puja Roy
41	Rajesh Roy	BSc Semester I	Rajesh Roy
42	Rabindra Mandal	BSc Semester I	Rabindra Mandal
43	Priya Paul	BSc Semester I	Priya Paul
44	Ujjal Seal	BSc Semester I	Ujjal Seal
45	Deizi Nath	BSc Semester I	Deizi Nath
46	Abhijit Nath	BSc Semester I	Abhijit Nath
47	Puspanjali Roy	BSc Semester I	Puspanjali Roy
48	Victor Iswary	BSc Semester I	Victor Iswary
49	Ansuli Brahma	BSc Semester I	Ansuli Brahma

Signature

**RESULT:**

Following students were enrolled and they have completed the certificate course in Communicative English for the session 21-22.

Intake: 50

Enrolled: 49

Serial No	Name	Total Marks	Marks Obtained	Result
1	Yasharaj Brahma	100	63	Pass
2	Bijork Basumatary	100	57	Pass
3	Nonitha Brahma	100	57	Pass
4	Joba Rani Basumatary	100	67	Pass
5	Neha Balmiki	100	45	Pass
6	Rosmi Basumatary	100	57	Pass
7	Priyanka Boro	100	53	Pass
8	Dhreetiman Saha	100	63	Pass
9	Nijwm Basumatary	100	57	Pass
10	Sangita Biswas	100	57	Pass
11	Bishan Choudhury	100	67	Pass
12	Deepanjali Narzary	100	63	Pass
13	Samaina Boro	100	57	Pass
14	Kalpana Singh	100	57	Pass
15	Raj Singh	100	67	Pass
16	Pami Brahma	100	45	Pass
17	Julie Brahma	100	57	Pass
18	Anita Barman	100	53	Pass
19	Purabi Nath	100	63	Pass
20	Nelson Brahma	100	57	Pass
21	Sukla Debnath	100	57	Pass
22	Pronita Barman	100	45	Pass
23	Sneha Debnath	100	57	Pass
24	Devojit Brahma	100	49	Pass
25	Ayush Aich	100	50	Pass
26	Niha Brahma	100	43	Pass
27	Sujata Seal	100	51	Pass
28	Uma Pachi	100	55	Pass
29	Sanchita Dey	100	67	Pass
30	Shreya Saha	100	45	Pass
31	Kalpita sarma	100	57	Pass
32	Ashish Paul	100	53	Pass

33	Anand Koch	100	63	Pass
34	Sourav Saha	100	57	Pass
35	Arindam Roy	100	57	Pass
36	Jumi Narzary	100	67	Pass
37	Nargis Sultana	100	67	Pass
38	Anjali Sarkar	100	45	Pass
39	Hili Boro	100	57	Pass
40	Puja Roy	100	53	Pass
41	Rajesh Roy	100	63	Pass
42	Rabindra Mandal	100	57	Pass
43	Priya Paul	100	46	Pass
44	Ujjal Seal	100	43	Pass
45	Deizi Nath	100	48	Pass
46	Abhijit Nath	100	44	Pass
47	Puspanjali Roy	100	42	Pass
48	Victor Iswary	100	47	Pass
49	Ansuli Brahma	100	49	Pass

Signature

*Tribeni Mandal*

Tribeni Mandal  
Asst. Prof.  
Department of English  
Science College, Kokrajhar

- 02 24 Bijank Dasumitany
- 03 113 Nimitra Brahma
- 04 09 Toba Paul Dasumitany
- 05 108 Neha Dalmlle
- 06 147 Rami Dasumitany
- 07 129 Puqyanka Boro
- 08 02 Phacelona Saka
- 09 17 Nijom Dasumitany
- 10 19 Sangita Biswas
- 11 24 Bishen Choudhury
- 12 25 Deepanjali Margary
- 13 37 Samina Boro
- 14 43 Kalpana Singh
- 15 54 Raj Singh
- 16 73 Rami Brahma
- 17 79 Julie Brahma
- 18 80 Anita Brahma
- 19 84 Purabi Nath
- 20 87 Nelson Brahma
- 21 88 Sukla Debnath



**Department of English**  
**SCIENCE COLLEGE, KOKRAJHAR**  
**P.O. & Dist.- Kokrajhar, BTR, Assam - 783370**

*Certificate of Completion*

*This certificate is presented to .....  
a student of BSc Sem ..... for successfully completing the Certificate  
Course in Communicative English (CCCE) with course duration of  
30 Hrs. He/She has obtained Grade .....*

*Dr. Ramananda Sinha  
Principal  
Science College, Kokrajhar*

*Certificate No. CCCE/2020-21/22/*

*Tribeni Mandal  
Mrs Tribeni Mandal  
Course Coordinator  
CCCE, Dept. of English  
Science College, Kokrajhar*

*Date of Issue :-*





REPORT  
ON  
CERTIFICATE COURSE IN  
PYTHON PROGRAMMING  
Session: 2021 - 2022

Submitted  
by  
Department of Computer Science



SCIENCE COLLEGE, KOKRAJHAR  
BTR, ASSAM

## Table of Contents

Sl No.	Contents	Page no.
1	Introduction	1
2	Name of the candidates enrolled in the course	1
3	Programme schedule	2
4	About the course	2
5	Course aim and objective	3
6	Syllabus	3
7	Outcome of the course	5
8	Results of the candidates	5
9	Sample certificates	5

## 1. Introduction

Certificate course in Python Programming is an IT professional course. This course covers almost all basic operations of Python programming. Python is not just a programming language used for web and app development, but also it has found importance in Data Science, Machine Learning, Artificial Intelligence, task automation, data analysis, data visualisation, and in multiple other fields.

Name of the Course	:	Python Programming
Institution	:	Science College, Kokrajhar
Level	:	Introductory
Subject	:	Any Subject
Language	:	English
Number of candidates enrolled	:	26 Nos
Nature of Course	:	Theory and Practical
Course Duration	:	30 hours (Two Credits)
Intake	:	40 Nos.
Evaluation Proce:s:		
• Class participation	:	20 %
• Final examination on	:	80 %
– Theory	:	30 Marks
– Practical	:	50 Marks
– Pass Marks	:	40 %

## 2. Name of Candidates Enrolled in the course

1. Achintya Debnath
2. Alit Basumatary
3. Barkat Ali
4. Bibekananda Barman
5. Bidangsha Basumatary
6. Biki Barman
7. Bipul Roy
8. Data Basumatary

9. Dhanubir Brahma
10. Dipankar Basumatary
11. Dona Dey
12. Jautun Basumatary
13. Julika Murmu
14. Kabina Mushahary
15. Mamata Borgayary
16. Mirajul Islam
17. Nihwr Kr. Barhma
18. Nipamony Sutradhar
19. Palina Brahma
20. Pinki Raut
21. Rakibul Islam
22. Rupam Barman
23. Saumyadipta Saha
24. Saurav Basumatary
25. Sunil Kisku
26. Surajit Roy

### 3. Programme Schedule

Day	Venue	Reporting Time
Saturday	CS Laboratory, Science College, Kokrajhar	1 PM – 4 PM
Sunday	CS Laboratory, Science College, Kokrajhar	1 PM – 4 PM

### 4. About the Course

This course introduces the basic and core concepts of Python Programming. Python programming is powering the global job

market because the benefits of Python are clear. Python is one of the top three programming languages in the world, and is poised to become the most popular Python is used in many industries, including finance, healthcare, marketing, and entertainment. It can open the door to many career opportunities, such as web and app development, data engineering, game development, and more. Python is a general-purpose language that can be used for a variety of purposes, including building websites, automating tasks, and data analysis. It's considered easy to learn and use, making it a good choice for beginners.

## 5. Course Aim and Objective

The main motive is to impart the knowledge and understanding about the programming language and familiarize the participants to work with confidence. The broad objectives of the course are:

- i) Understanding of basic and advanced syntax of the Python language, including variables, data types, control structures, and functions.
- ii) Familiarity with common data structures in Python, such as lists, dictionaries, and sets.
- iii) Knowledge of common algorithms and techniques for data analysis, such as sorting, searching, and statistical analysis.
- iv) Familiarity with popular Python libraries and frameworks, such as NumPy, Pandas, and Matplotlib for data analysis and manipulation, and Flask or Django for web development.

## 6. Syllabus

Module number	Module name	Topics Covered
1	Python Introduction and Setting up the Environment	Introduction to Programming, Choosing Python, Setting up Python environment, Python IDEs

2	Python Basic Syntax and Data Types	Input/output, Comments, Variables, Data types, Typecasting
3	Operators in Python	Arithmetic, Assignment, Comparison, Logical, Identity, Membership, Bitwise operators
4	Strings in Python	Creating, Formatting, Indexing, Slicing, String methods
5	Lists in Python	Creating, Properties, Indexing, Slicing, Methods, Modifying lists
6	Tuples in Python	Syntax, Properties, Indexing, Slicing, Methods
7	Sets in Python	Syntax, Updating, Operations, Methods
8	Dictionaries in Python	Syntax, Keys/values, Accessing, Methods
9	Python Conditional Statements	if, if-else, if-elif-else
10	Loops in Python	while, for, break, continue, pass, range
11	List and Dictionary Comprehensions	Syntax, Uses
12	Functions in Python	Creating, Calling, Arguments, Variables, Recursion
13	Anonymous Functions	Lambda functions
14	Generators in Python	Creating, Using generators
15	Modules in Python	Creating, Importing, Built-in modules
16	Packages & Data Analysis	Creating packages, NumPy, Pandas, Matplotlib

## **7. Outcome of the course**

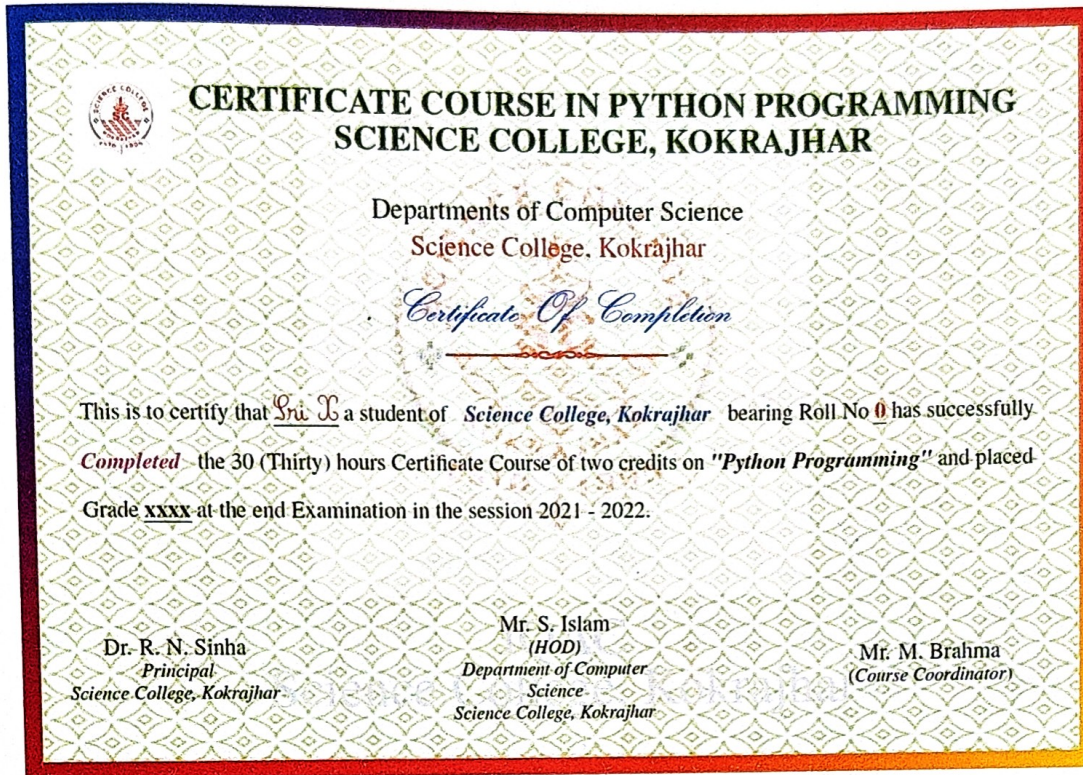
Students will learn computational thinking skills, develop creative and problem solving skills and acquire a strong grasp of how to apply code to real life.

## **8. Results Of the Candidates**

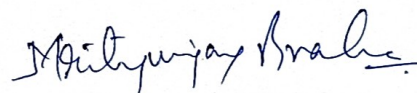
After the completion of theory and practical classes, end-term examination was conducted in both theory and Practical. All the 26 (Twenty Six) candidates comes out successfully with Grade A in both theory and practical examinations.



## 9. Sample Certificates



**Mr S. Islam**  
HoD  
Department of Computer Science  
Science College, Kokrajhar

  
**Mr. M. Brahma**  
Course co-ordinator

RECORD OF  
ISSUE OF  
COURSE CERTIFICATE

DEPARTEMNT OF COMPUTER SCIENCE



Session-2021-2022

Name	Certificate number	Signature
ACHINTYA DEBNATH	SCK/CSE-1/21-22	Achintya Debnath
ALIT BASUMATARY	SCK/CSC-2/21-22	Alit
BARKAT ALI	SCK/CSC-3/21-22	Barkat Ali
BIBEKANANDA BARMAN	SCK/CSC-4/21-22	B.B.
BIDANGSHA BASUMATARY }	SCK/CSC-5/21-22	Bidangsha Bty
BIKI BARMAN	SCK/CSC-6/21-22	B. Barman
BIPUL ROY	SCK/CSC-7/21-22	Bipul Roy
DAYA BASUMATARY	SCK/CSC-8/21-22	Daya
DHANUBIR BRAHMA	SCK/CSC-9/21-22	Dhanubir
DIPANKAR BASUMATARY	SCK/CSC-10/21-22	Dipankar Bty
DONA DEY	SCK/CSC-11/21-22	Dona Day
JAUTUN BASUMATARY	SCK/CSC-12/21-22	Jatun Basumatary
JULIKA MURMU	SCK/CSC-13/21-22	Julika
KABINA MUSHAHARY	SCK/CSC-14/21-22	Kabina
MAMATA BARGOYARY	SCK/CSC-15/21-22	Mamata
MIRAJUL ISLAM	SCK/CSC-16/21-22	Mirajul Islam
NIHWR KR. BRAHMA	SCK/CSC-17/21-22	Nihwr Brah-
NIPAMONY SUTRADHAR	SCK/CSC-18/21-22	Nipamony Sutradhar
PALINA BRAHMA	SCK/CSC-19/21-22	Palina Brah-
PINKI RAHUT	SCK/CSC-20/21-22	Pinki
RAKHIBUL ISLAM	SCK/CSC-21/21-22	Rakibul Islam
RUPAM BARMAN	SCK/CSC-22/21-22	Rupam
SAUMYADIPTA SAHA	SCK/CSC-23/21-22	S.S.
SAURAV BASUMATARY	SCK/CSC-24/21-22	Saurav Bty
SUNIL KISKU	SCK/CSC-25/21-22	Sunil Kisku
SURAJIT ROY	SCK/CSC-26/21-22	Surajit Roy

**Report**  
**On**  
**Certificate course in**  
**Insect Pest Management**  
**Session-2021-2022**



**Submitted by**  
**Department of Zoology**  
**Science College, Kokrajhar**

**Certificate course in  
Insect Pest Management  
Credit-2**

**Objective of the course:**

1. To familiarize the students with principles of insect pest management including their control and concept of integrated pest management.
2. To train students how insect pest can control and solve the problems of pest.

**Learning outcomes:**

1. Students can gather knowledge about insect pest both theoretically and practically in the field.
2. They can learn how to biologically control without toxic chemicals.

**Duration of the course:** 2 months

**Eligibility:** 10+2

**Assessment process:**

**Theory:** 50 marks ( by conducting examination)

**Practical:** 50 marks ( by conducting practical examination, submission, class attendance , field survey etc).

**Certificate course in**

**Insect Pest Management**

**Credit-2**

**Syllabus**

**Theory: (credit 1)**

Unit-1: Principles of Insect pest management, Identification of Insect pest, morphology, physiology, nutrition and their life cycle. Ecology of pest – abiotic and biotic factors. **(6 hours )**

Unit-2: Insect pest of field crops and store grains, their control-mechanical, cultural, chemical, biological. Integrated pest management. **(6 hours)**

Unit-3: Insecticides – chemical and toxicology, biological insecticides. **(3 hours )**

**Practical: (credit 1) (30 hours)**

Collection of different insect pest- store grain/ paddy field, identification, preservation and submission.

Field survey reports.

The syllabus is designed by the Self Study Committee, Science College in the presence of the following members:

1. Dr. Ramananda Sinha  
Principal  
Science College

  
Signature

2. Dr. Jyngma Narzary  
Assistant Professor  
Head, Department of Zoology  
Science College, Kokrajhar

  
Signature

3. Dr. Manika Das  
Assistant Professor  
Department of Zoology  
Science College, Kokrajhar

  
Signature

4. Miss Ploreni Jane Sapruna  
Assistant Professor  
Department of Zoology  
Science College, Kokrajhar

  
Signature

5. Dr. Sanjib Brahma  
Assistant Professor  
Head, Department of Botany  
Science college, Kokrajhar

  
Signature

Enrolled Student List of Certificate Course on "Insect Pest Management"

Department of Zoology,

Science College Kokrajhar, 2021-2022

Enrolled No.	Name of Students	Signature of Students
1	Aisha Basumatary	Aisha Basumatary.
2	Bijork Basumatary	Bijork Basumatary
3	Joba Rani Basumatary	Joba Rani Basumatary
4	Jumi Narzary	Jumi Narzary.
5	Latika Brahma	Latika Brahma.
6	Manisha Brahma	Manisha Brahma.
7	Manita basumatary	Manita Basumatary
8	Merina Basumatary	Merina Basumatary.
9	Neha Balmiki	Neha Balmiki
10	Nonitha Brahma	Nonitha Brahma
11	Nutan Mandal	Nutan Mandal
12	Kalpana Singh	Kalpana Singh
13	Riya Sarma	Riya Sarma
14	Rosmi Basumatary	Rosmi Basumatary
15	Samaina Boro	Samaina Boro
16	Sangita Pandit	Sangita Pandit
17	Shreya Saha	Shreya Saha
18	Sukla Debnath	Sukla Debnath
19	Yashraj Brahma	Yashraj Brahma

  
Course Coordinator  
Department of Zoology



## Enrollment and Results of the Course:

Following students are enrolled & completed the certificate course in " Insect Pest Management" in the session- 2021-22

Intake: 25

Enrolled: 19

Enrolled No.	Name of Students	Marks Secured in the Examination		Total: 100	Result & Remarks
		Theory:50	Practical: 50		
1	Aisha Basumatary	32	30	62	Pass
2	Bijork Basumatary	40	36	76	Pass
3	Joba Rani Basumatary	40	36	76	Pass
4	Jumi Narzary	35	35	70	Pass
5	Latika Brahma	38	36	74	Pass
6	Manisha Brahma	32	35	67	Pass
7	Manita basumatary	30	35	65	Pass
8	Merina Basumatary	34	32	66	Pass
9	Neha Balmiki	38	35	73	Pass
10	Nonitha Brahma	27	35	62	Pass
11	Nutan Mandal	35	36	71	Pass
12	Kalpana Singh	30	32	62	Pass
13	Riya Sarma	35	34	69	Pass
14	Rosmi Basumatary	28	30	58	Pass
15	Samaina Boro	30	30	60	Pass
16	Sangita Pandit	26	31	57	Pass
17	Shreya Saha	35	35	70	Pass
18	Sukla Debnath	32	34	66	Pass
19	Yasharaj Brahma	37	36	73	Pass

### Class Routine:

Day	Venue	Reporting time
Monday	Room No. 124, Science College, Kokrajhar	3.00 PM- 4.00PM
Tuesday	Room No. 124, Science College, Kokrajhar	3.00 PM- 4.00PM
Wednesday	Room No. 124, Science College, Kokrajhar	3.00 PM- 4.00PM



# CERTIFICATE

*This is to certify that*

\_\_\_\_\_

*has successfully completed the certificate course on "Insect Pest Management" conducted by Department of Zoology, Science College Kokrajhar, batch - 2021-22*



\_\_\_\_\_  
Head  
Department of Zoology

\_\_\_\_\_  
Course Co-ordinator



Photo: Distribution of Course completion Certificate for students who complete " Insect Pest Management" Certificate course.

*Submitted by*

  
Head  
Department of Zoology

**REPORT  
ON  
CERTIFICATE COURSE IN  
OFFICE AUTOMATION  
Session: 2021 - 22**

Submitted  
by  
**Department of Information Technology**



**SCIENCE COLLEGE, KOKRAJHAR  
BTR, ASSAM**

## **Table of Contents**

<b>1 Introduction</b>	<b>1</b>	<b>5 Course Aim and Objective</b>	<b>2</b>
<b>2 Name of Candidates Enrolled in the course</b>	<b>1</b>	<b>6 Syllabus</b>	<b>3</b>
<b>3 Programme Schedule</b>	<b>2</b>	<b>7 Outcome of the Course</b>	<b>3</b>
<b>4 About the Course</b>	<b>2</b>	<b>8 Results Of the Candidates</b>	<b>4</b>
		<b>9 Sample Certificate</b>	<b>5</b>

### 1. Introduction

Certificate course in Office Automation is an IT professional course. This course covers almost all basic operations of computer. Participants taking this course will be able to confidently handle PC, gather fundamentals of computers, data and information, various software applications used in OA, basic of internet & how to use it and increase ability to analyze and solve problems using computational thinking.

<b>Name of the Course:</b>	: Office Automation
<b>Institution</b>	: Science College, Kokrajhar
<b>Level</b>	: Introductory
<b>Subject</b>	: Any Subject
<b>Language</b>	: English
<b>Number of candidates enrolled</b>	: 40 Nos
<b>Nature of Course</b>	: Theory and Practical
<b>Course Duration</b>	: 30 hours (Two Credits)
<b>Intake:</b>	: 40 Nos.
<b>Evaluation Proce:</b>	<ul style="list-style-type: none"><li>• Class participation - 20 %</li><li>• Final examination on<ul style="list-style-type: none"><li>- Theory 30 Marks</li><li>- Practical 50 Marks</li><li>- Pass Marks 40 %</li></ul></li></ul>

### 2. Name of Candidates Enrolled in the course

1. AKASH KOCHARY	10. DIPANKAR BRAHMA
2. AKHINUR ALI	11. FWRDAN BASUMATARY
3. ANGSUMAN BORO	12. JWNGMA BASUMATARY
4. ANKURJYOTI RAY	13. JWNGSAR OWARY
5. ANURADHA RABHA	14. KANAK MACHAHARY
6. BALIT BORO	15. KUSWA BRAHMA
7. DERHASAR NARZARY	16. MANISHA MAHILARY
8. DEVID ROY	17. MONOJOY RABHA
9. DIMASA OWARY	18. MUKUT SWARGIARY

- |                       |                         |
|-----------------------|-------------------------|
| 19. NANDITA NARZARY   | 23. SUBUNGSA BASUMATARY |
| 20. RITHIKESH KR PAUL | 24. TRIDIP NARZARY      |
| 21. ROBEN BARO        | 25. VIKRAM ESLARY       |
| 22. SAHEENI SAHA      |                         |

### **3. Programme Schedule**

Day	Venue	Reporting time
Friday	IT Laboratory, Science College, Kokrajhar	3.00 PM - 4.30 PM
Saturday	IT Laboratory, Science College, Kokrajhar	3.00 PM - 4.30 PM
Sunday	IT Laboratory, Science College, Kokrajhar	3.00 PM - 4.30 PM

### **4. About the Course**

This course introduces the basic concepts of Fundamentals in Computer and data base management system and analyze. Participants taking this course will be able to confidently handle PC and increase ability to analyze and solve problems using computational thinking, various software applications used in OA, basic of internet & how to use it and increase ability to analyze and solve problems using computational thinking.

### **5. Course Aim and Objective**

The main motive is to impart the knowledge and understanding about a computer system and familiarize the participants to work with PC with confidence. The broad objectives of the course are:

1. To understand the fundamentals of computer and their architecture.
2. To learn how to use operating systems, MS Word, MS Excel applications.
3. To have hands on experience to become a user of PC.
4. To develop tally and computer automation.
5. To increase ability to analyze and solve problems using computational thinking.
6. To increase ability to use internet, creating E-mail Account, Sending and Receiving E-mail.

## **6. Syllabus**

### **Unit 1: Introduction and Basic Concept of Computer**

Data processing in computer, basic units of measurement, basic hardware of a PC system, Central processing unit, memory unit, input device, scanning devices, image capturing device, out put devices, secondary storage devices, hard disk derive optical discs, optical drives, motherboard, Operating System, Windows, MS Office.

Practical

### **Unit 2: Tally**

Introduction, account Fundamentals, manual accounts, computer accounting, MS excel.

Practical

### **Unit 3: Data Base Management System**

Introduction, objectives, subdivisions of SQL, data manipulation language commands, select Query and clause and function, embedded SQL, dynamic SQL, procedure and function, creating procedure, data and time function, arithmetic functions, deleting procedure.

Practical

### **Unit 4: Internet**

Introduction, HTML, Browsing, creating E-mail account, sending/ receiving e-mail etc.

Practical

## **7. Outcome of the Course**

Participants, after completion this course of the course will be able to empower themselves in

1. Solid understanding of computer system
2. Knowledge about Hardware component
3. Knowledge about Software type.
4. Familiarity with database management principle and technique.
5. Practical skill of use of internet, creating E-mail Account, Sending and Receiving E-mail..
6. Ability to analyze and solve problems using computational thinking.
7. Data manipulation and querying.



## **8. Results Of the Candidates**

After the completion of theory and practical classes, end-term examination was conducted in both theory and Practical. All the 25 (Twenty five) candidates comes out successfully with Grade A in both theory and practical examinations.

## 9. Sample Certificate




Dr. R. N. Sinha  
Principal  
Science College, Kokrajhar

Mr. B. Narzary  
(HOD)  
Department of Information  
Technology  
Science College, Kokrajhar

Mr. B. C. Ghosh  
(Course Coordinator)

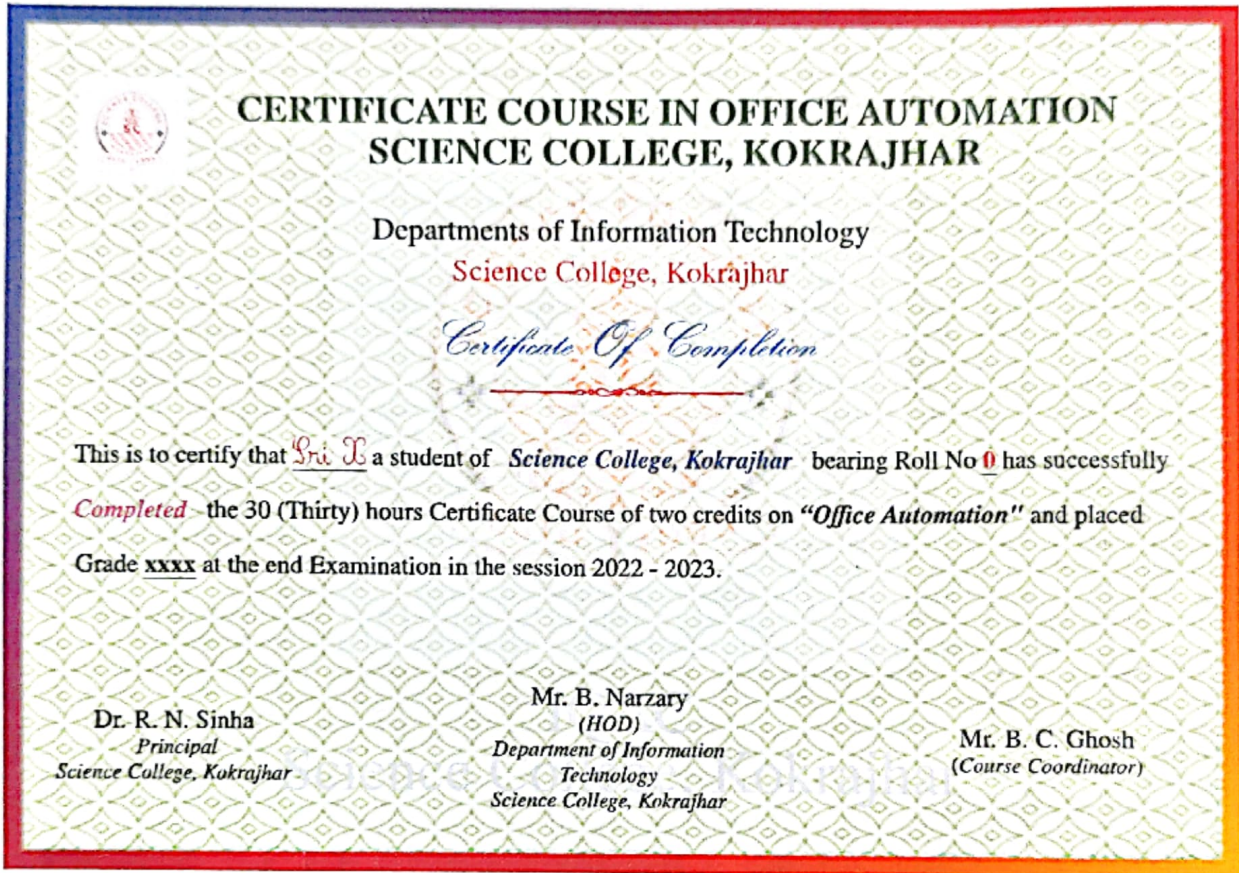
**Mr. B. Narzary**  
HOD  
Department of Information Technology  
Science College, Kokrajhar

  
**Mr. B. C. Ghosh**  
Course Coordinator

## 12. Conclusion

The Certificate course in Office Automation achieved its objective enhancing participants' skill and knowledge in Office Automation. We appreciate the support of our instructors and participants and look forward to offering future course.

## 13. Sample Certificate



Mr. B. Narzary  
HOD

Department of Information Technology  
Science College, Kokrajhar

Mr. B. C. Ghosh  
Course Coordinator

# REPORT



POST GRADUATE DIPLOMA

IN

JOURNALISM & MASS COMMUNICATION (PGDJM)

SCIENCE COLLEGE, KOKRAJHAR

(Dr. Smita Deb)

*Head*

*Department of PGDJM  
Science College, Kokrajhar*

# POST GRADUATE DIPLOMA

## IN

### JOURNALISM & MASS COMMUNICATION (PGDJM)

I am pleased to submit the report on Post Graduate Diploma in Journalism and Mass Communication (PGDJM) permitted under Bodoland University, Kokrajhar for the Session 2018-19 and 2020-21. The details of the Post Graduate Diploma in Journalism and Mass Communication (PGDJM) is as follows.

#### **About the Course:**

Journalism and mass communication field work nationwide and worldwide at newspapers and magazines and in advertising, branding, broadcast news, social media, marketing, media research, photojournalism, publication design, public relations, radio, and other areas.

#### **Course Objectives:**

The benefits of this profession include social status, freedom to travel and experience different cultures, global networking, glam, creativity, and competency work.

For those who wants to see themselves separate from the throng, there are many prospects in journalism and mass communication. After all, in this sector, your creativity's uniqueness propels you to higher altitudes.

#### **Course Outcomes:**

Media professionals hold excellent jobs with competitive salaries. Opportunities like freelancing in media and communication can help newcomers advance quickly. There are more opportunities for job advancement due to the rising need for social media managers.

A variety of professions, including news anchor, columnist, media analyst, radio jockey, social media manager, and public relations officer, may provide students with lucrative career opportunities and decent remuneration.

#### **Course Details:**

Course duration:	1 Year
Classes:	Regular.
Eligibility:	B.A. or B.Sc. (Any Stream)

#### **Evaluation Pattern:**

- (i) Written Exam: 100 Marks

**Course Distribution of CCAC for the Session 2022-2023**

Sl. No.	Name of Faculty	Course allotted
1.	Dr. Smita Deb	<b>Paper-I</b> History of Journalism and Contemporary Issues.
2.	Dr. Tribeni Mandal	<b>Paper-II</b> Communication Concepts Theory & Practice
3.	Mrs. Fulmoni Brahma	<b>Paper-III</b> News- Definition, Concepts and Reporting
4.	Mrs. Olee Barman	<b>Paper-IV</b> Editing- Printing and Production
5.	Mr. Dilip Saikia	<b>Paper-V</b> Media Laws in India and Production
6.	Mr. Arjun Brahma	<b>Paper-VI</b> Advertising and Public Relation
7.	Mr. Sanjay Talukdar	<b>Paper-VII</b> Electronic Media

**POST GRADUATE DIPLOMA  
IN  
JOURNALISM & MASS COMMUNICATION (PGDJM)**

Science College, Kokrajhar  
Session 2018-2019 and 2020-2021

**GRADE SHEET OF LEARNERS : 2018-19**

Sl No.	Name of Learner	Total Marks	Marks Obtained	Grade
1	Baishali Roy	100	385	B
2	Sushmita Paul	100	384	B
3	Simi Kalita	100	408	B
4	Azmina Parbin	100	421	B
5	Nurmoon Hussain	100	407	B
6	Barnali Das	100	403	B
7	Upama Narzary	100	468	B
8	Upama Ray	100	496	A
9	Julfa Siddika	100	519	A
10	Tripti Bala Ray	100	510	A
11	Darika Nath	100	493	A
12	Sufia Khatun	100	431	B
13	Sohidur Rahman	100	443	B

**GRADE SHEET OF LEARNERS : 2020-2021**

Sl No.	Name of Learner	Total Marks	Marks Obtained	Grade
1	Fahmida Ismika Yesmin	100	359	C
2	Manoj Debnath	100	376	B
3	Kishar Kr. Barman	100	434	B
4	Hriday Barman	100	446	B
5	Dharma Singh Roy	100	487	A
6	Ashish Paul	100	420	B
7	Mominul Hoque	100	443	B

  
Head

Department of PGDJM  
Science College, Kokrajhar

No: SC/PGDJM/2018-2019/0001

Date of Issue: 20/09/2019



**SCIENCE COLLEGE, KOKRAJHAR**

Affiliated to Gauhati University, Guwahati

Recognised by Government of Assam

P.O. & Dist : Kokrajhar, BTR, Assam-783370


**COURSE COMPLETION CERTIFICATE**

This is to certify that Mr./Miss Baishali Roy.....with Roll No.....0001..... is a bonafied student of our college from 2018.....to 2019..... He/She has successfully completed Diploma in Journalism & Mass Communication (PGDJM) course under Bodoland University, Kokrajhar in the month of September, 2019.

Place : Kokrajhar

Date : 20/09/2019



  
Principal  
Science College, Kokrajhar  
Principal  
Science College, Kokrajhar



**Science College, Kokrajhar**

**A**

**Report on**

**Certificate Course on**

**“Occupational Health and Functional  
Ergonomics”**

**Session – 2021 – 2022**

**Submitted by  
Department of Physiotherapy**





### **About the Course:**

Ergonomics is the study of people in their workplace and is the process in which workplaces, products and systems are designed or rearranged so that they fit the people who use them. It aims to improve workspaces and environments to reduce the risk of injury.

**International Ergonomics Association** definition: "Ergonomics is the scientific discipline concerned with the understanding of interactions among humans and other elements of a system, and the profession that applies theory, principles, data and methods to design in order to optimize human well-being and overall system performance."

Ergonomics is a **science-based discipline**. It brings together knowledge from anatomy and physiology, psychology, engineering and statistics and ensures that the designs complement the strengths and abilities of people who use it.

Workers in many different occupations can be exposed to risk factors at work, such as lifting heavy items, bending, reaching overhead, pushing and pulling heavy loads, working in awkward body postures and performing the same or similar tasks repetitively. Exposure to these known risk factors leads to a Musculo skeletal disorders, which affects the muscles, nerves, blood vessels, ligaments and tendons.

Work-related MSDs can be prevented. Ergonomics means fitting a job to a person in order to lessen muscle fatigue, increases productivity and reduces the number and severity of work-related MSDs.

It aims to improve workspaces and environments to reduce the risk of injury.

This course will cover what ergonomics is (and isn't), musculoskeletal disorders caused by poor ergonomics, ergonomics-related risk factors, common ergonomics assessment tools, and controls to mitigate/reduce ergonomics-related risk factors and musculoskeletal disorders.

**DEPARTMENT OF PHYSIOTHERAPY**  
**SCIENCE COLLEGE, KOKRAJHAR**  
**CERTIFICATE COURSE**

**OCCUPATIONAL HEALTH & FUNCTIONAL ERGONOMICS**

**Course Objectives:** The main objectives of this course is to gain basic concepts, theory and techniques to solve important issues related to Occupational safety and health that would motivate the students and help them to understand the importance to improve and protect employee health in the workplace that includes the physical, mental and social health of employees and also to learn to use equipment, tools, and machines more safely, work with proper posture and equipment suited to their physical needs. The following are some other objectives in this regard:

- To prevent and overcome many physical, emotional or social disabilities in people of all ages.
- To promote, maintain and/or restore functional independence in daily living skills.
- To achieve a harmonized system, taking into consideration of the consequences of technology on human relationships, processes and organizations.

**Duration of the course:** 30 hours

**Credits:** 2

**Eligibility:** BPT IV Semester

**Course Curriculum:**

**Unit-I** Occupational health [4 hrs.]

- Introduction.
- Objective & basic concepts of Occupational health.
- Reorganization of health hazards.
- Early detection of Occupational diseases.

**Unit-II** Ergonomics [5 hrs.]

- Definitions of terms: Ergonomics, Ergonomists. Social significance of ergonomics.
- Biomechanical, Physiological & Anthropometric factors related to ergonomics.
- Ergonomical aspects of Postures like Sitting, Standing, Hand & arm postures.
- Ergonomical aspects of movements like Pushing, Pulling, Lifting & carrying.

**Unit-III Environmental factors & ergonomics [3 hrs.]**

- Noise, Light, Vibration, Climate & Chemical substances.

**Unit-IV Occupational ergonomics [6 hrs.]**

- Work environment and control measures in work place.
- Prevention of occupational diseases and accidents.
- Effects of lifestyle and behavior on health.
- Health education in the workplace.

**Unit-V Occupational ergonomics in special areas [6 hrs.]**

- Industrial worker.
- Agriculture and rural areas.
- Working women.
- IT – BPO industries.

**Practical [6 hrs.]**

- Ergonomic evaluation
- Risk assessment

**Student Learning Outcomes:**

- Discuss theoretical and practical concept of posture assessment and anthropometric measurements of human body.
- Describe body mechanics to be used for lifting, reaching, pushing, pulling and carrying objects while sitting, standing, and moving from one place to other.
- Describe how work environment be related to ergonomics and reduction of risks.
- Detect work hazardous assessment as related to occupation and its environment
- Evaluate work hazardous practice for various industries

**Evaluation Pattern:**

Pattern	Marks	Minimum Marks
Theory (MCQ)	40	20
Practical	10	05
Total	50	25

**Grading System:**

Range of Marks	Grades	Grade Points
46 – 50	A+	9
45 – 45	A	8
36 – 40	B+	7
31 – 35	B	6
26 – 30	C+	5
21 – 25	C	4
16 – 20	Fail	0

**Recommended Textbooks:**

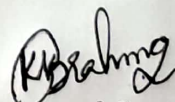
- Salvendy, G. (Ed.). (2012). Handbook of human factors and ergonomics. John Wiley & Sons.
- Stack, T., Ostrom, L. T., & Wilhelmsen, C. A. (2016). Occupational ergonomics: A practical approach. John Wiley & Sons.
- Waqar Naqvi. Physiotherapy in community health and rehabilitation.

**Reference Books:**

- M. Rabiul & Ahasan: Occupational Health, Safety and Ergonomic issues in small and medium- sized Enterprises in a Developing Country. OULU 2002.
- Waldemar Karwowski & William S. Marras: Occupational Ergonomics – Design Benjamin O. ALLI, Fundamental Principles of Occupational Health and Safety, Second edition, ILO International Labor Organization 2008.
- Occupational Health: A manual for primary health care workers; WHOEM/OCH/85/E/L.

**Department of Physiotherapy**  
**Course Distribution for Certificate Course**  
**Session – 2021 - 2022**

Sl. No.	Faculty Name	Unit
1.	Dr. Kanchan Kanti Brahma (PT)	<p><b>Unit-I Occupational health [4 hrs.]</b></p> <ul style="list-style-type: none"> <li>• Introduction.</li> <li>• Objective &amp; basic concepts of Occupational health.</li> <li>• Reorganization of health hazards.</li> <li>• Early detection of Occupational diseases.</li> </ul> <p><b>Unit-II Ergonomics [5 hrs.]</b></p> <ul style="list-style-type: none"> <li>• Definitions of terms: Ergonomics, Ergonomists. Social significance of ergonomics.</li> <li>• Biomechanical, Physiological &amp; Anthropometric factors related to ergonomics.</li> <li>• Ergonomical aspects of Postures like Sitting, Standing, Hand &amp; arm postures.</li> <li>• Ergonomical aspects of movements like Pushing, Pulling, Lifting &amp; carrying.</li> </ul>
2.	Dr. Husne Ara Tarannum Laskar (PT)	<p><b>Unit-III Environmental factors &amp; ergonomics [3 hrs.]</b></p> <ul style="list-style-type: none"> <li>• Noise, Light, Vibration, Climate &amp; Chemical substances.</li> </ul> <p><b>Unit-IV Occupational ergonomics [6 hrs.]</b></p> <ul style="list-style-type: none"> <li>• Work environment and control measures in work place.</li> <li>• Prevention of occupational diseases and accidents.</li> <li>• Effects of lifestyle and behavior on health.</li> <li>• Health education in the workplace.</li> </ul>
3.	Dr. Jeutishree Roy (PT)	<p><b>Unit-V Occupational ergonomics in special areas [6 hrs.]</b></p> <ul style="list-style-type: none"> <li>• Industrial worker.</li> <li>• Agriculture and rural areas.</li> <li>• Working women.</li> <li>• IT – BPO industries.</li> </ul> <p><b>Practical [6 hrs.]</b></p> <ul style="list-style-type: none"> <li>• Ergonomic evaluation</li> <li>• Risk assessment</li> </ul>

  
**Signature of Co-Ordinator**

**CERTIFICATE COURSE**  
Department of Physiotherapy  
Science College, Kokrajhar  
Session 2021-2022

**Paper Title: OCCUPATIONAL HEALTH AND FUNCTIONAL ERGONOMICS**  
**Paper Code: OHFE**  
**Level – Semester IV**

Sl. No.	Enrollment Number	Name of the Student
1.	UG130T20001	Abdur Rahman
2.	UG130T20002	Bidung Gwra Boro
3.	UG130T20003	Bithorai Boro
4.	UG130T20004	Chinmoy Roy
5.	UG130T20005	Delaisri Basumatary
6.	UG130T20006	Dhanima Islary
7.	UG130T20007	Dimasa Narzary
8.	UG130T20008	Doli Das
9.	UG130T20010	Hanna Soren
10.	UG130T20011	Himasri Boro
11.	UG130T20012	Hina Rani Basumatary
12.	UG130T20013	Kabita Brahma
13.	UG130T20014	Kungfung Brahma
14.	UG130T20015	Kwrwmsat Gwra Borgoyary
15.	UG130T20016	Lakhana Narzary
16.	UG130T20017	Milijulee Basumatary
17.	UG130T20018	Sangwra Gayary
18.	UG130T20019	Shikhamoni Brahma
19.	UG130T20020	Sujit Brahma
20.	UG130T20021	Susmita Narzary
21.	UG130T20022	Tunlai Kochhary

**CERTIFICATE COURSE  
ATTENDANCE REGISTER  
DEPARTMENT OF PHYSIOTHERAPY  
SCIENCE COLLEGE, KOKRAJHAR**







EXAM ATTENDANCE 2022  
Certificate Course -Occupational Health and Functional Ergonomics (OHFE)  
DEPARTMENT OF PHYSIOTHERAPY  
SCIENCE COLLEGE KOKRAJHAR

Date: 30/06/2022

SL.NO.	Roll No.	Name	Signature
1	UG130T20001	ABDUR RAHMAN	A. Rahman
2	UG130T20002	BIDUNG GWRA BORO	Bidung Gwra Boro
3	UG130T20003	BITHORAI BORO	Bithorai Boro
4	UG130T20004	CHINMOY ROY	Chinmoy Roy
5	UG130T20005	DELAISRI BASUMATARY	Delaisri Basumatary
6	UG130T20006	DHANIMA ISLARY	Dhanima Isary
7	UG130T20007	DIMASA NARZARY	Dimasa Narzary
8	UG130T20008	DOLI DAS	Doli Das
9	UG130T20010	HANNA SOREN	Hanna Soren
10	UG130T20011	HIMASRI BORO	H Boro
11	UG130T20012	HINA RANI BASUMATARY	H. R. Basumatary
12	UG130T20013	KABITA BRAHMA	Kabita Brahma
13	UG130T20014	KUNGFUNG BRAHMA	Kungfung Brahma
14	UG130T20015	KWRWMSAT GWRA BORGORY	Kwrwmsat Gwra Borgory
15	UG130T20016	LAKHANA NARZARY	Lakhana Narzary
16	UG130T20017	MILIJULI BASUMATARY	Milijuli Basumatary
17	UG130T20018	SANGWRA GAYARY	Sangwra Gayary
18	UG130T20019	SHIKHAMONI BRAHMA	Shikhamoni Brahma
19	UG130T20020	SUJIT BRAHMA	Sujit Brahma
20	UG130T20021	SUSMITA NARZARY	Susmita Narzary
21	UG130T20022	TUNLAI KOCHHARY	Tunlai Kochhary

Invigilator Signature:

*Brahma*  
30/06/2022

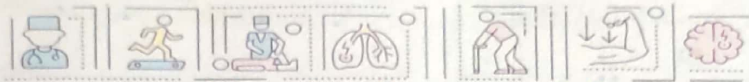
ENROLLMENT SHEET  
Session : 2021-2022

No.	ENROLLMENT NUMBER	NAME	CONTACT NUMBER	DATE	SIGNATURE
1.	UG130T20001	Abdo Rahman	9254987507	12/08/2021	
2.	UG130T20002	Pikang Gouri Boro	9954458336		
3.	UG130T20003	Silberai Boro	6000409862		
4.	UG130T20004	Chinmay Roy	7096622154		
5.	UG130T20005	Deben Basumatary	7096622154		
6.	UG130T20006	Dhanina Jaisry	7077515860		
7.	UG130T20007	Dimas Narzary	9864747802		
8.	UG130T20008	Doli Das	6003669934		
9.	UG130T20010	Hansa Soren	8822719470		
10.	UG130T20011	Himsri Boro	6000975135		
11.	UG130T20012	Hins Rani Basumatary	7099190257		
12.	UG130T20013	Kabita Brahma	9957954640		
13.	UG130T20014	Kungfong Brahma	7086654598		
14.	UG130T20015	Kwamsal Gura Borgojary	6000864141		
15.	UG130T20016	Lakhna Narzary	840405346 / 9101932384		
16.	UG130T20017	Miliulee Basumatary	8711032456		
17.	UG130T20018	Sangwra Gayary	6003589170		
18.	UG130T20019	Shikhamoni Brahma	6001959995		
19.	UG130T20020	Sujit Brahma	8822039109		
20.	UG130T20021	Susmita Narzary	8135882695		
21.	UG130T20022	Turbi Kachhary	9865225762		



# DEPARTMENT OF PHYSIOTHERAPY SCIENCE COLLEGE, KOKRAJHAR

P.O. & Dist.- Kokrajhar BTR, Assam- 783370



## Certificate of Completion

This certificate is presented to \_\_\_\_\_ a student of Science College, Kokrajhar bearing Roll no. \_\_\_\_\_ for successfully completing the Certificate Course on "Occupational Health and Functional Ergonomics" (OHFE) with course duration of 30 hours held in the session \_\_\_\_\_. He/She has obtained Grade \_\_\_\_\_.

Dr. Ramananda Sinha  
Principal  
Science College, Kokrajhar

Dr. Kanchan Kanti Brahma (PT)  
Co-ordinator & HOD  
Department of Physiotherapy  
Science College, Kokrajhar



Certificate no. \_\_\_\_\_

Date of issue:- \_\_\_\_\_



08/12/2021

General meeting held today in the Conference Hall number 1 to discuss the following agenda.

1. Regarding attendance of Benon Nazary BPT 4<sup>th</sup> year student.
2. Commencement of BPT 3<sup>rd</sup> Semester Class.
3. Introduction of certificate course and formation of Board of <sup>Studies</sup> after thorough discussion following resolutions have been made:-

1. All faculty members have anonymously voted (NO) for Benon Nazary, should not be allowed to sit for final examination.
2. BPT 3<sup>rd</sup> Semester class starts from December.
3. Finalization of topic for the course and to approach Principal Sir for further suggestion and opinions.

Members Present.

1. Dr. Kanchar Kanti Brahma (PT)
2. Dr. Teutishree Roy (PT)
3. Dr. Badiangakor Dewkhaid (PT)
4. Dr. Husne Sha Tarannum Laskar (PT)
5. Dr. Bharita Mahanta (PT)
6. Dr. Himashree Medhi (PT)

Joshi 8/12/2021

8/12/21

8/12/21

8/12/21

Proposed name for Board of Studies

- |   |                  |
|---|------------------|
| 1. Dr. Sharmistha Chakraborty, Vice Principal               | Chairperson      |
| 2. Dr. Kanchan Kanti Brahma (PT), Assistant Professor & HOD | Member Secretary |
| 3. Dr. Biswajit Nath (Co-ordinator IQAC)                    | Member           |
| 4. Dr. Husne Ara Tarannum Laskar (PT), Assistant Professor  | Member           |
| 5. Mr. Sudeep Dey, Assistant Professor                      | Member ✓         |
| 6. Dr. Mehdi Al Kausor, Assistant Professor                 | Member           |

Approved  
8/12/2021

28/02/2022.

A general meeting is held today at Conference Hall No. 1 with the proposed members of the board of studies for the certificate course for their kind appraisal.

After the discussion following resolutions have been taken by the house.

- The house has made a decision to resolve and approve the syllabus designed by Department of Physiotherapy for the certificate course is "Occupational Health and Functional Ergonomic".

- The course will follow the set regulation regarding credits, duration and evaluation patterns as per the designed structure and syllabus.

- As this course will provide essential knowledge and skills to create healthier, safer and more productive work environment.

- The course is set to commence from May 2022 and will continue for future session.

- Dr. Kanchar Kanti Brahma (PT) Assistant Professor & Head, Department of Physiotherapy will be acting as the course co-ordinator.

- Members Present,

1. Dr. S. Chakrabarti
2. Dr. Kanchar Kanti Brahma
3. Mr. Biswajit Nath
4. Sudeep Dey
5. Dr. Meeta M. Bhausa
6. Shome Anu Tarannu Lodea