



PATTAMUNDAI COLLEGE

PATTAMUNDAI, KENDRAPARA

SESSION 2023 -2024

CLASS ..+3...1st, 2nd and 3rd Year.....

+3 STREAM

LESSON PLAN AND PROGRESS REGISTER

(To be maintained by all members of teaching staff)

FULL NAME OF THE TEACHER SUBHASIS MISHRA

DESIGNATION LECTURER

DEPARTMENT ECONOMICS

S. Mishra
Signature

PATTAMUNDAI COLLEGE

Pattamundai, Kendrapara

BIODATA

Affix
Photograph

1. Name : SUBHASIS MISHRA (Capital Letters)

2. Designation : Lecturer in Economics

3. Date of Birth : 07.06.1990

4. Date of joining : 06.10.2016

5. Academic Qualification : MA, UGC NET, JRF

6. Academic achievement :

a) No. of Research Project completed :

b) No. of On-going Projects :

c) No. of Research Scholars :

(i) Completed Ph.D. :

(ii) Continuing Ph. D. :

(iii) Completed M.Phil.:

(iv) Continuing M.Phil.:

7. Any distinctions / prizes / awards received :

8. No. of Books published : _____

9. No. of Research paper published & Communicated _____

10. Present Address : At - Damarpur Shasan

Po - Damarpur, Dist - Kendrapara

Odisha, PIN - 754217

Contact No. : Phone :/Mob. 7205425848

e-mail ID : Subhasis.mishra5@gmail.com

CONTENTS

Sl. No.	Class/ Semester	Paper/Unit	Topics assigned	Page No.
1	2	3	4	5
01	+3 5th Sem.	DSE-1, Unit-1 Unit-2	Introduction to public finance and public budget. public Expenditure.	01
02	+3 5th Sem.	DSE-2	All units	07
03	+3 3rd Sem.	core-08	All units	13
04	+3 1st Sem.	core-1 unit-1 unit-2	EXPLORING THE SUBJECT MATTER OF Economics, market and welfare. Theory of consumer choice	19
05	+3 6th sem	DSE-3	All units	25
06	+3 4th sem.	core-10	All units	31
07	+3 2nd sem.	core-04	All units	37

LESSON PLAN

Class: 13. 3rd Year Subject: Economics, DSE-I No. of Periods/Week: _____

Sl. No	Month	Paper & Unit	Topics to be covered	No. of classes required
1	July 2023	DSE-I unit-1	Public finance; meaning, scope, public and private finance, public goods, Principle of MSA.	06
2	Aug 2023	unit-1	Market failure and role of the Govt. public budget, kinds and classification.	06
3	Sept. 2023	unit-2	Balanced and unbalanced budget, Balanced budget multiplier, Budget as an instrument of economic policy.	05
4	Oct. 2023	unit-2	public expenditure: meaning, classification, principles, causes and effect.	07
5	Nov 2023	unit-2	Causes of growth of public expenditure, wages and fiscal-widening hypothesis.	06
				<u>30</u>

Pradyumn Pradhan
Counter Signature by HOD

S. Mishra
Signature of Teacher

PROGRESS

Class: 13. 3rd Year Subject: Economics, DSE-I

Sl. No	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
01	27-07-23	1:00	Introductory and meaning of public finance.	<i>S. Mishra</i>	
02	31-07-23	1:00	Nature and scope of public finance.	<i>S. Mishra</i>	
03	01-08-23	1:00	Scope of public finance.	<i>S. Mishra</i>	
04	03-08-23	11:15	public goods and private goods.	<i>S. Mishra</i>	
05	07-08-23	1:00	Characteristics of public goods.	<i>S. Mishra</i>	
06	08-08-23	1:00	principle of maximum social advantage.	<i>S. Mishra</i>	
07	10-08-23	12:15	principle of maximum social advantage.	<i>S. Mishra</i>	
08	11-08-23	1:00	Market failure: meaning and causes.	<i>S. Mishra</i>	<i>R. Pradhan</i> 11/08/23
09	16-08-23	1:00	Market failure: causes and remedial measures.	<i>S. Mishra</i>	<i>S. Mishra</i> 16/08/23
10	17-08-23	1:00	Market failure and role of the government.	<i>S. Mishra</i>	
11	07-09-23	11:15	meaning and kinds of budget.	<i>S. Mishra</i>	

PROGRESS

Class 12th Year Subject Economics, OSE-1

Sl. No.	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
12	08-09-23	1:00	Economic and functional classification of budget.	S. Mittal	
13	12-09-23	1:00	Economic and functional classification of budget.	S. Mittal	
14	12-10-23	1:00	Balanced budget and unbalanced budget.	S. Mittal	
15	05-10-23	12:15	Balanced budget multiplier.	S. Mittal	
16	06-10-23	1:00	Budget as an instrument of economic policy.	S. Mittal	
17	09-10-23	1:00	Budget as an instrument of economic policy.	S. Mittal	
18	10-10-23	1:00	Meaning and classification of public expenditure.	S. Mittal	
19	20-10-23	1:00	Canon and principles of public expenditure.	S. Mittal	
20	21-10-23	1:00	Effects of public expenditure.	S. Mittal	
21	13-11-23	1:00	Causes of growth of public expenditure.	S. Mittal	

PROGRESS

Class 13th Year Subject Economics, OSE-1

Sl. No.	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
22	07-10-23	1:00	Wagner's law of increasing state activity.	S. Mittal	
23	08-10-23	1:00	Wagner's law of increasing state activity.	S. Mittal	
24	15-10-23	1:00	Peacock-Wiseman hypothesis.	S. Mittal	
25	16-10-23	12:15	Peacock-Wiseman hypothesis.	S. Mittal	

LESSON PLAN

Class: 12th 3rd Year Subject: Economics, DSE-2 No. of Periods/Week:

Sl. No.	Month	Paper & Unit	Topics to be covered	No. of classes required
01	July 2023	DSE-2 Unit-1	Definition, Nature and Scope of Econometrics.	04
02	Aug 2023	Unit-1	Binomial, Poisson and Normal distribution and their properties.	06
03	Aug 2023	Unit-1	Theory of estimation: properties of estimators, point and interval estimation.	04
04	Sept 2023	Unit-2	Testing of hypothesis: simple and composite hypothesis, null and alternative hypothesis, Type-I and Type-II error.	06
05	Sept 2023	Unit-2	Critical regions, Neyman Pearson lemma, Power of a test. Test statistics, t, F, Z and chi square.	08
06	Oct 2023	Unit-3	Two Variable linear regression model, Assumption, Least square estimate, Variance, co-variance, BLUE properties.	07
07	Oct 2023	Unit-3	Standard error, R^2 , ANOVA Forecasting, Multiple regression model.	06
08	Nov 2023	Unit-4	Heteroscedasticity and multicollinearity	05
09	Nov 2023	Unit-4	Auto-correlation: consequences test and remedies.	05

Prepared by:
Checked by:
Country Signature by:

S. Mishra
Signature of Teacher

PROGRESS

Class: 12th 3rd Year Subject: Economics, DSE-2

Sl. No.	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
01	28-07-23	2-30	Introduction and meaning of econometrics.	<u>S. Mishra</u>	
02	28-07-23	2-50	Nature and scope of econometrics.	<u>S. Mishra</u>	
03	28-07-23	2-30	Nature and scope of econometrics.	<u>S. Mishra</u>	
04	28-07-23	1-00	Binomial distribution	<u>S. Mishra</u>	
05	28-07-23	2-30	Properties and application of Binomial distribution	<u>S. Mishra</u>	
06	27-08-23	2-30	Poisson distribution	<u>S. Mishra</u>	
07	28-08-23	2-30	Properties and application of Poisson distribution.	<u>S. Mishra</u>	
09	09-08-23	1-00	Normal distribution and its PDF.	<u>S. Mishra</u>	
10	11-08-23	2-30	Properties of normal distribution.	<u>S. Mishra</u>	
11	18-08-23	2-30	Properties and application of Normal distribution.	<u>S. Mishra</u>	
12	09-08-23	1-00	Theory of Estimation.	<u>S. Mishra</u>	

Principal

PROGRESS

Class: T3 3rd Year

Subject: Economics DSE-2

Sl. No.	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
13	07-09-23	2-30	point and interval estimation	S. Mishra	
14	11-09-23	1-00	properties of point estimation	S. Mishra	
15	13-09-23	2-30	properties of a good estimator	S. Mishra	
16	04-10-23	1-00	Neyman Pearson Lemma	S. Mishra	
17	05-10-23	2-30	meaning of statistical hypothesis	S. Mishra	
18	06-10-23	2-30	Simple and composite hypothesis	S. Mishra	
19	07-10-23	1-00	Null and alternative hypothesis	S. Mishra	
20	09-10-23	2-30	Type-I and Type-II error	S. Mishra	
21	10-10-23	2-30	Critical region and Neyman Pearson Lemma	S. Mishra	
22	12-10-23	1-00	Type-I, Type-II error and power of a test	S. Mishra	
23	13-10-23	2-30	procedure of testing hypothesis	S. Mishra	

PROGRESS

Class: T3 3rd Year

Subject: Economics DSE-2

Sl. No.	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
24	30-10-23	2-30	Test statistics - t test	S. Mishra	
25	30-10-23	3-15	t-test and its applications	S. Mishra	
26	31-10-23	2-30	F-test: meaning and properties	S. Mishra	
27	31-10-23	3-15	F-test and its applications	S. Mishra	
28	02-11-23	1-00	Z-test: meaning and properties	S. Mishra	
29	02-11-23	2-30	Z-test and its applications	S. Mishra	
30	03-11-23	1-00	Chi-square test: meaning and properties	S. Mishra	
31	03-11-23	2-30	chi-square test and its application	S. Mishra	
32	04-11-23	1-00	Two variable simple regression model	S. Mishra	
33	04-11-23	2-30	Sample and population regression model	S. Mishra	
34	06-11-23	1-00	OLS estimator and its assumption	S. Mishra	
35	06-11-23	2-30	Assumptions of OLS estimator	S. Mishra	

PROGRESS

Class 12 3rd Year

Subject Economics, DSE-2

Sr. No	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
36	27-11-23	2-30	Variance and covariance of OLS estimator.	S. Mittal	
37	28-11-23	3-15	BLUE properties of OLS estimator.	S. Mittal	
38	01-12-23	2-30	Standard error and R^2 of OLS estimator.	S. Mittal	
39	09-11-23	3-15	ANOVA and its application.	S. Mittal	
40	14-11-23	1-00	Regression and Forecasting.	S. Mittal	
41	14-11-23	2-30	Multiple Regression model.	S. Mittal	
42	15-11-23	2-30	Heteroskedasticity: meaning and consequences.	S. Mittal	
43	15-11-23	3-15	Detection of heteroskedasticity.	S. Mittal	
44	16-11-23	3-30	Remedial measures for heteroskedasticity.	S. Mittal	
45	16-11-23	3-15	Multicollinearity: meaning and consequences.	S. Mittal	
46	17-11-23	1-00	Test for the detection of multicollinearity.	S. Mittal	

PROGRESS

Class 12 3rd Year

Subject Economics, DSE-2

Sr. No	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
47	19-11-23	2-30	Remedial measures for multicollinearity.	S. Mittal	
48	19-11-23	1-00	Auto-correlation: meaning and consequences.	S. Mittal	
49	18-11-23	2-30	Test for the detection of Auto-correlation.	S. Mittal	
50	20-11-23	1-00	Remedial measures for Auto-correlation.	S. Mittal	
51	20-11-23	2-30	Revision.	S. Mittal	

LESSON PLAN

Class 13 2nd year Subject Economics Unit-7 No. of Periods/Week

Sl. No.	Month	Paper & Unit	Topics to be covered	No. of classes required
01	Sept 2023	Unit-1	Data collection: Primary and Secondary data, Presentation of data, graphic and diagrammatic representation of data	06
02	Sept 2023	Unit-1	Measures of Central Tendency: Arithmetic Median, mode, G.M and H.M.	06
03	Sept 2023	Unit-1	Measures of Dispersion: Range, Mean deviation, Standard deviation, Quartile deviation, Skewness, Kurtosis	08
04	Oct 2023	Unit-2	Correlation: Scatter diagram, Spearman correlation, Rank correlation, Probable error	06
05	Oct 2023	Unit-2	Regression: Line, Coefficient, Properties and Standard error of estimate	06
06	Oct/Nov 2023	Unit-3	Time Series: Component, measurement of trends: Free hand, Semi average, Moving average, Least square and Seasonal variation	06
07	Nov 2023	Unit-3	Index Number: Laspeyres, Paasche and Fisher index, Problem and limitations, Ideal index number	06
08	Nov 2023	Unit-4	Probability: Addition and multiplication rules, Conditional Probability	07
09	Nov 2023	Unit-4	Sampling: Types of sampling, error Sampling and non-sampling errors	06

Pradip Kumar
 Counter Signature by HOD

S. Mitra
 Signature of Teacher

PROGRESS

Class 13 2nd year Subject Economics Unit-7

Sl. No.	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
01	07-09-23	10:45	Introduction to statistical population, sample, parameters	<i>S. Mitra</i>	
02	08-09-23	9:30	Data collection, primary and secondary data	<i>S. Mitra</i>	
03	08-09-23	9:15	Methods of collection of primary data	<i>S. Mitra</i>	
04	09-09-23	9:15	Frequency distribution and Cumulative frequency	<i>S. Mitra</i>	
05	11-09-23		Graphic and diagrammatic representation of data	<i>S. Mitra</i>	
06	11-09-23	10:45	Measures of central tendency, Property of a good average	<i>S. Mitra</i>	
07	13-09-23	7:25	Arithmetic mean: Mathematical properties and calculation	<i>S. Mitra</i>	
08	15-09-23	7:30	Median: Calculation, merit and demerit	<i>S. Mitra</i>	
09	16-09-23	9:15	Mode: Calculation, merit and demerit, Geometric mean	<i>S. Mitra</i>	
10	21-09-23	9:15	Geometric and Harmonic Mean	<i>S. Mitra</i>	<i>Pradip Kumar</i>
11	22-09-23	9:30	Absolute and Relative measures of dispersion	<i>S. Mitra</i>	<i>S. Mitra</i>
12	22-09-23	9:15	Range and quartile deviation	<i>S. Mitra</i>	

PROGRESS

Class 12 2nd year

Subject Economics, Core-2

Sl. No	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
23	23-09-23	7-15	Mean deviation and standard deviation.	S. Mishra	
24	03-10-23	10-45	Measures of skewness and kurtosis.	S. Mishra	
25	06-10-23	9-30	Meaning and types of correlation.	S. Mishra	
26	06-10-23	9-45	Scatter diagram and Karl Pearson correlation.	S. Mishra	
27	07-10-23	7-15	Properties of correlation coefficient.	S. Mishra	
28	09-10-23	9-15	Probable error and rank correlation.	S. Mishra	
29	09-10-23	10-15	Regression: Meaning, Regression line and equation.	S. Mishra	
30	10-10-23	11-45	Properties of regression coefficient.	S. Mishra	
31	11-10-23	8-30	Regression coefficient and standard error of estimate.	S. Mishra	
32	11-10-23	8-15	Time series: meaning uses and components.	S. Mishra	
33	12-10-23	7-45	Free hand and semi-average method.	S. Mishra	

PROGRESS

Class 12 2nd year

Subject Economics, Core-2

Sl. No	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
34	12-10-23	8-30	Moving average and least square method.	S. Mishra	
35	13-10-23	7-15	Measurement of seasonal component.	S. Mishra	
36	31-10-23	7-15	Index number: meaning and uses.	S. Mishra	
37	31-10-23	10-45	Price, quantity and value relatives.	S. Mishra	
38	01-11-23	7-15	Laspeyres and Fisher index numbers.	S. Mishra	
39	04-11-23	8-30	Problems in the construction of index number.	S. Mishra	
40	04-11-23	10-45	Test for ideal index number.	S. Mishra	
41	06-11-23	10-45	Probability: Meaning and basic concepts.	S. Mishra	
42	07-11-23	9-15	Addition theorem of probability.	S. Mishra	
43	07-11-23	10-45	Multiplication theorem of probability.	S. Mishra	
44	10-11-23	9-15	Conditional probability and its application.	S. Mishra	

PROGRESS

Class 13 2nd year

Subject Economics Core-1

Sl. No	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./ Principal
45	11.11.23	8:30	Conditional probability and its applications.	<u>S. Mitra</u>	
46	11.11.23	9:15	Probability and non-probability Sampling.	<u>S. Mitra</u>	
47	13.11.23	10:45	Simple random sampling and its selection process.	<u>S. Mitra</u>	
48	14.11.23	10:45	Stratified random sampling and its selection process.	<u>S. Mitra</u>	
49	16.11.23	9:15	Systematic sampling and its selection process.	<u>S. Mitra</u>	
50	17.11.23	9:15	Multi stage and quota sampling.	<u>S. Mitra</u>	
51	18.11.23	9:15	Sampling and non-sampling error.	<u>S. Mitra</u>	
52	20.11.23	10:45	Revision of the 1st and 2nd units.	<u>S. Mitra</u>	
53	21.11.23	10:45	Revision of 3rd and 4th units.	<u>S. Mitra</u>	

LESSON PLAN

Class 13 1st Year Subject Economics, Core-1 No. of Periods/Week

Sl. No.	Month	Paper & Unit	Topics to be covered	No. of classes required
01	Sept. 2023	Core-1 unit-1	The ten principles of Economics, The scientific method, observation Economic model, graphs in Economics.	08
02	Oct. 2023	Unit-1	Demand, supply: price elasticity of demand and supply, consumer and producer surplus.	08
03	Nov 2023	Unit-2	The budget constraints, Preference indifference curve, optimization	07
04	Dec. 2023	Unit-2	Price, income and substitution effect and derivation of demand curve.	06

Pradyumn Kumar
Counter Signature by HOD

S. Mittal
Signature of Teacher

PROGRESS

Class 13 1st Year Subject Economics, Core-1

Sl. No.	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of HOD/Principal
01	04.09.23	11:30	Introduction to Economics and ten principles of economics.	<i>S. Mittal</i>	
02	07.09.23	10:45	Ten Principles of economics How people make decisions	<i>S. Mittal</i>	
03	13.09.20	11:30	Working of an economy as a whole.	<i>S. Mittal</i>	
04	23.09.23	10:45	Thinking like an economist and economist as scientist	<i>S. Mittal</i>	
05	02.10.23	11:30	The scientific method and observation.	<i>S. Mittal</i>	
06	09.10.23	11:30	Role of assumptions in economics	<i>S. Mittal</i>	
07	09.10.23	11:30	Economic notes and graphs in economics	<i>S. Mittal</i>	
08	10.10.23	11:30	Why economists disagree and concept of demand	<i>S. Mittal</i>	
09	19.10.23	10:45	Demand and determination of demand	<i>S. Mittal</i>	
10	20.10.23	10:45	Law of demand and demand curve.	<i>S. Mittal</i>	
11	20.10.23	11:30	Shift in demand and movement along the demand curve.	<i>S. Mittal</i>	

PROGRESS

Class: 12th year Subject: Economics, C.P.R.-1

Sl No	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
12	31-10-23	11:30	Elasticity of demand and its determinants.	<u>S. Mitra</u>	
13	01-11-23	11:30	Price elasticity of demand and its types.	<u>S. Mitra</u>	
14	08-11-23	11:30	Measurement of price elasticity of demand.	<u>S. Mitra</u>	
15	21-11-23	11:30	Income elasticity and cross elasticity.	<u>S. Mitra</u>	
16	27-11-23	10:45	Meaning and determinants of supply.	<u>S. Mitra</u>	
17	28-11-23	11:30	Supply curve and shift in supply.	<u>S. Mitra</u>	
18	28-11-23	11:30	Consumer surplus and producer surplus.	<u>S. Mitra</u>	
20	30-11-23	10:45	The budget constraint and budget line.	<u>S. Mitra</u>	
21	07-12-23	10:45	Shift in the budget line due to change in price and income.	<u>S. Mitra</u>	
22	05-11-23	10:45	Indifference curve and MRS.	<u>S. Mitra</u>	
23	09-12-23	10:45	Proportions of indifference curve.	<u>S. Mitra</u>	

PROGRESS

Class: 12th year Subject: Economics, C.P.R.-1

Sl No	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
24	11-12-23	10:30	Proportions of indifference curve.	<u>S. Mitra</u>	
25	12-12-23	11:30	Optimization and consumer equilibrium.	<u>S. Mitra</u>	
26	13-12-23	10:30	Changes in equilibrium due to changes in income and price.	<u>S. Mitra</u>	
27	14-12-23	10:45	Income effect, price effect and substitution effect.	<u>S. Mitra</u>	
28	28-12-23	10:45	Income effect, price effect and substitution effect.	<u>S. Mitra</u>	
29	05-1-23	10:45	Derivation of demand curve from PCC.	<u>S. Mitra</u>	
30	09-01-23	10:30	Demand for giffen goods, wages and labour supply.	<u>S. Mitra</u>	P.P. Paul 09/01/23
31	10-1-23	10:30	Interest rate and household saving.	<u>S. Mitra</u>	Dr. S. Mitra 10/01/23
32	16-01-23	11:30	Acritium.	<u>S. Mitra</u>	

LESSON PLAN

Class: 12th 3rd Year Subject: Economics, DSE-3 No. of Periods/Week: _____

Sr. No.	Month	Paper & Unit	Topics to be covered	No. of classes required
01	Jan 2024	DSE-3 Unit-1	Inter regional and international trade, classical theories of international trade.	05
02	Jan 2024	Unit-1	H.O Theory of trade, Leontief Paradox, Factor Price Equalisation Theorem.	06
03	Feb 2024	Unit-2	Terms of trade, Reciprocal Demand, Gains from trade, Importing goods, Tariff and quotas.	06
04	Feb 2024	Unit-2	IMF, WTO, World Bank: Role and Function, Achievement and future.	05
05	Mar 2024	Unit-3	Types of exchange rate: bilateral trade weighted, cross, spot, forward and future.	05
06	Mar 2024	Unit-3	Demand and supply of foreign exchange, Exchange rate determination theory, Fixed and flexible exchange rate.	06
07	April 2024	Unit-4	B.O.T and B.O.P, Disequilibrium in B.O.P, Measures to correct deficit B.O.P.	05
08	April 2024	Unit-4	Depreciation and devaluation, Incidence approach to devaluation, Foreign trade multiplier.	05

[Signature]
Co-ordinator Signature by HOD

S. Mittal
Signature of Teacher

PROGRESS

Class: 12th 3rd year Subject: DSE-3: Economics

Sr. No.	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D. / Principal
01	08-01-24	1-00	Introduction to International Economics	<i>S. Mittal</i>	
02	09-01-24	1-00	Importance of the study of International Economics.	<i>S. Mittal</i>	
03	10-01-24	1-00	Inter regional and international trade.	<i>S. Mittal</i>	
04	11-01-24	12:15	Theory of Absolute Cost Difference	<i>S. Mittal</i>	
05	15-01-24	1-00	Theory of Comparative Cost Difference	<i>S. Mittal</i>	
06	18-01-24	12:15	Opportunity Cost theory of International trade	<i>S. Mittal</i>	
07	24-01-24	1-00	H.O Theory of international trade and its implication	<i>S. Mittal</i>	
08	25-01-24	12:15	Heckscher-Ohlin theory of international trade.	<i>S. Mittal</i>	
09	29-01-24	1-00	Factor price equalising theorem.	<i>S. Mittal</i>	
10	03-02-24	11-30	Meaning and types of terms of trade.	<i>S. Mittal</i>	<i>P. K. Singh</i>
11	05-02-24	1-00	Importance of terms of trade.	<i>S. Mittal</i>	

PROGRESS

Class: 12th 3rd Year

Subject: Economics, QSE-3

Sl. No.	Date	Time	Topics covered (if class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
12	06.03.24	1:00	Doctrine of reciprocal demand.	S. Mittal	
13	07.03.24	12-15	Gains from trade: meaning and types	S. Mittal	
14	10.03.24	11:30	Trade as an engine of economic growth.	S. Mittal	
15	15.03.24	12:15	Theory of immiserizing growth.	S. Mittal	
16	17.03.24	8:00	Tariff: meaning and impact in partial equilibrium analysis.	S. Mittal	
17	21.03.24	8:00	General equilibrium analysis of tariff.	S. Mittal	
18	23.03.24	8:00	Import quota: meaning and impact.	S. Mittal	
19	26.03.24	8:00	Function of International Fund (IMF)	S. Mittal	
20	28.03.24	8:00	Role of IMF in international liquidity.	S. Mittal	
21	01.03.24	8:00	World Bank: functions, achievement and future.	S. Mittal	
22	06.03.24	8:00	WTO: functions, achievement and future.	S. Mittal	

PROGRESS

Class: 12th 3rd Year

Subject: Economics, QSE-3

Sl. No.	Date	Time	Topics covered (if class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
23	07.03.24	8:00	Role of World Bank and WTO from India point of view.	S. Mittal	
24	14.03.24	8:00	Exchange rate: meaning and types.	S. Mittal	
25	15.03.24	8:00	Bilateral and trade weighted exchange rate.	S. Mittal	
26	14.03.24	8:00	Spot, forward and future exchange rate.	S. Mittal	
27	16.03.24	8:00	Demand and supply of foreign exchange.	S. Mittal	
28	19.03.24	8:00	Mint Parity theory of exchange rate.	S. Mittal	
29	21.03.24	8:00	Purchasing Power Parity theory of exchange rate.	S. Mittal	
30	22.03.24	12:15	Fixed and flexible exchange rate.	S. Mittal	
31	23.03.24	11:30	Balance of trade and Balance of Payment	S. Mittal	
22	27.03.24	1:00	Component of balance of Payment.	S. Mittal	R.S.D. 28/3/24
33	28.03.24	12:15	Causes of disequilibria in the B.O.P.	S. Mittal	

PROGRESS

Class f3 3rd year

Subject Economics DSE-3

Sl. No	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D/Principal
34	02.04.24	1.00	measure to correct deficit in the B.O.P.	<u>S. Mittal</u>	
35	03.04.24	1.00	Expenditure, switching, reducing and direct control	<u>S. Mittal</u>	
36	04.04.24	12.15	Depreciation and devaluation method.	<u>S. Mittal</u>	
37	05.04.24	1.00	Elasticity approach to devaluation.	<u>S. Mittal</u>	
38	08.04.24	1.00	Foreign trade multiplier and its implications.	<u>S. Mittal</u>	
39	09.04.24	1.00	Foreign trade multiplier and its implications.	<u>S. Mittal</u>	P. Prady 09/04/24
40	10.04.24	1.00	Revision of 1st and 2nd units	<u>S. Mittal</u>	
41	12.04.24	1.00	Revision of 3rd and 4th units.	<u>S. Mittal</u>	

LESSON PLAN

Class 12 and year Subject Economics, Core-1B No. of Periods/Week

Sl. No	Month	Paper & Unit	Topics to be covered	No. of classes required
01	Feb. 2024	Core-1a Unit-1	Meaning, objectives, motivations, types approached, significance of research	06
02	Mar. 2024	Unit-1	Research process, criteria of a good research, qualities of a good researcher, Research as a career.	05
03	Mar. 2024	Unit-2	Research problem: meaning, necessity of defining the problem, technique involved in defining a problem.	05
04	Apr. 2024	Unit-2	Research design: meaning, need, Features of a good design. Different research design, Basic principles of experimental design.	06
05	Apr. 2024	Unit-3	Measurement in Research: scales, sources of error, test of sound measurements, scaling and important scaling technique.	06
06	Apr. 2024	Unit-3	Research ethics, Research proposal, literature review, use of library and internet, plagiarism.	05
07	May 2024	Unit-4	English in report writing; words, sentences and paragraph.	05
08	June 2024	Unit-4	writing styles; improving quality, drawing conclusion, common literary styles.	05

PROGRESS

Class 12 and year Subject Economics, Core-1a

Sl. No	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
01	24-02-24	7-45	Introduction to research methodology.	S. Mittal	
02	28-02-24	8-45	Meaning and definition of research.	S. Mittal	
03	06-03-24	8-45	Objectives of research and motivation.	S. Mittal	
04	10-03-24	8-45	Motivation and types of research.	S. Mittal	
05	22-03-24	8-45	Types of research and approaches.	S. Mittal	
06	28-03-24	7-15	Significance of research in social science.	S. Mittal	
07	30-03-24	7-15	Research process and steps in research.	S. Mittal	
08	02-04-24	8-30	Criteria of a good research.	S. Mittal	
09	02-04-24	8-45	Qualities of a good researcher.	S. Mittal	
10	05-04-24	8-30	Research as a career and its importance.	S. Mittal	
11	05-04-24	8-15	Meaning and definition of research problem.	S. Mittal	
12	06-04-24	7-30	process of selecting the research problem.	S. Mittal	

PROGRESS

Class 13 2nd yearSubject Economics, core - 10

Sl. No	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
13	06.04.24	9-15	Necessity of defining the research problem	<u>S. Mittra</u>	
14	08.04.24	9-30	Technique involved in defining a research problem	<u>S. Mittra</u>	
15	08.04.24	10-45	Meaning and definition of research design.	<u>S. Mittra</u>	
16	09.04.24	8-30	Need of research design	<u>S. Mittra</u>	
17	09.04.24	10-45	Features of a good research design	<u>S. Mittra</u>	
18	12.04.24	8-30	Significance of research design	<u>S. Mittra</u>	
19	12.04.24	9-15	Types of research design and their uses.	<u>S. Mittra</u>	
20	19.04.24	9-30	Basic principles of experimental design	<u>S. Mittra</u>	
21	19.04.24	9-15	Basic principles of experimental design.	<u>S. Mittra</u>	
22	20.04.24	8-30	Meaning and definition of measurement and scale.	<u>S. Mittra</u>	
23	20.04.24	9-15	Level of measurement: nominal, ordinal, interval and ratio.	<u>S. Mittra</u>	
24	22.04.24	8-30	Meaning and types of scale.	<u>S. Mittra</u>	

LESSON PLAN

Class 12 Ist Year Subject Economics, core-4 No. of Periods/Week

Sl No	Month	Paper & Unit	Topics to be covered	No. of classes required
01	Mar. 2024	core-4 unit-1	Input-output model: Basic concepts and structure of Leontief open and static input output model.	06
02	Mar. 2024	unit-1	Solution for equilibrium output in a three industry model - the closed model.	05
03	April 2024	unit-2	Second and Higher order derivatives, Curvature of a function, concavity, convexity and Point of inflection.	06
04	April 2024	unit-2	Derivative of implicit function, second order partial derivatives.	05
05	June 2024	unit-3	Optimum and extreme values, Relative maximum and minimum, necessary and sufficient condition.	06
06	July 2024	unit-3	Multi-variable optimization, convex function and convex set.	05
07	July 2024	unit-4	Constraint optimization and bordered Hessian determinants.	05

Pradeep Pradeep
 Counter Signature by HOD

S. Mishra
 Signature of Teacher

PROGRESS

Class 12 Ist Year Subject Economics, core-4

Sl No	Date	Time	Topic covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
01	13-03-24	8-45	Introduction to input output model.	S. Mishra	
02	16-03-24	7-30	Assumptions and features of input output model.	S. Mishra	
03	18-03-24	8-00	Basic concepts of input output model.	S. Mishra	
04	19-03-24	8-45	Basic concepts of input output model.	S. Mishra	
05	20-03-24	8-45	Structure of Leontief open input output model.	S. Mishra	
06	22-03-24	10-45	Structure of Leontief open input-output model.	S. Mishra	
07	25-03-24	11-30	Solution for equilibrium output in a 3 sector model.	S. Mishra	
08	26-03-24	11-30	Solution for equilibrium output in a 3 sector model.	S. Mishra	
09	28-03-24	11-30	Howlitzky-Simon condition and its application.	S. Mishra	
10	02-04-24	11-30	Techniques of higher order differentiation.	S. Mishra	
11	03-04-24	10-00	Interpretation of second order derivatives.	S. Mishra	P. Pradeep 02-04-24

PROGRESS

Class 13 1st yearSubject Economics, core - 04

Sl. No	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
12	04.04.24	11.30	Second order derivative and curvature of a function	<u>S. Nitin</u>	
13	09.04.24	11.30	Concavity, convexity and point of inflection.	<u>S. Nitin</u>	
14	10.04.24	10.45	Concavity, convexity and point of inflection.	<u>S. Nitin</u>	
15	17.04.24	10.45	Derivative of implicit function.	<u>S. Nitin</u>	
16	19.04.24	10.45	Derivative of implicit function.	<u>S. Nitin</u>	
17	01.05.24	10.45	Higher order partial derivatives	<u>S. Nitin</u>	
18	02.05.24	11.30	Optimum values and extreme values	<u>S. Nitin</u>	
19	04.05.24	10.45	Relative maximum and relative minimum	<u>S. Nitin</u>	
20	01.06.24	10.45	Necessary and sufficient condition for optimization.	<u>S. Nitin</u>	
21	25.06.24	11.30	Economic application of single variable optimization.	<u>S. Nitin</u>	
22	26.06.24	10.45	Economic application of single variable optimization	<u>S. Nitin</u>	



PATTAMUNDAI COLLEGE

PATTAMUNDAI, KENDRAPARA

SESSION 2023 -2024

CLASS 1st year (2nd sem), 2nd year (1st sem)
2nd year (2nd sem)
+3 STREAM

LESSON PLAN AND PROGRESS REGISTER

(To be maintained by all members of teaching staff)

FULL NAME OF THE TEACHER Simangini Das

DESIGNATION Lecturer

DEPARTMENT Political Science

S. Das
Signature

PATTAMUNDAI COLLEGE

Pattamundai, Kendrapara

Affix
Photograph

BIODATA

1. Name : SIMANGINI DAS (Capital Letters)
 2. Designation : Lecturer
 3. Date of Birth : 14.06.1994
 4. Date of joining : 28.10.2019
 5. Academic Qualification :
 6. Academic achievement :
 - a) No. of Research Project completed :
 - b) No. of On-going Projects :
 - c) No. of Research Scholars :
 - (i) Completed Ph.D. :
 - (ii) Continuing Ph. D. :
 - (iii) Completed M.Phil.:
 - (iv) Continuing M.Phil :
 7. Any distinctions / prizes / awards received :
 8. No. of Books published : _____
 9. No. of Research paper published & Communicated _____
 10. Present Address : At - Padmalavapur, post - Anantapur
PS - Belikuda, Dist - Jagatsinghpur
PIN - 754119
- Contact No. : Phone :/Mob. 9090945113
- e-mail ID : dsimangini@gmail.com

CONTENTS

Sl. No.	Class/ Semester	Paper/Unit	Topics assigned	Page No.
1	2	3	4	5
01	+3 3rd year 6th Sem	DSE-III Unit-I Unit-II Unit-III Unit-IV	<u>India's foreign Policy in a Changing world</u> India's foreign policy in a changing world India's Relations with USA & Russia India China Relations India and South Asia India and contemporary world	5
02	+3 2nd year 4th Sem	Core - X Unit-I Unit-II Unit-III	<u>Global politics</u> Globalization: Conception Globalization: Perspective Contemporary Global Issues - 1	8
03	+3 1st year 2nd Sem	Core - IV Unit-I Unit-II	<u>Political Process in India</u> Indian party system Regionalism, Religion and politics	11
04	+3 2nd year 4th Sem GE - II	GE-11 Unit-III Unit-IV	<u>Governance Issues challenges</u> Local Governance Good Governance	

LESSON PLAN

Class: 12 Sec 6th Sem Subject: D.S.E. III No. of Periods/Week: _____

Sl. No.	Month	Paper & Unit	Topics to be covered	No. of classes required
1.	December and January	Unit-I	India's Foreign Policy in a Changing world. (i) India's foreign policy: major bases and determinants. (ii) India's foreign policy: post colonial perspectives.	05
2.	Feb.	Unit-II	India's Relation with USA & Russia (i) India's relations with the USA (ii) India's relations with the Russia	05
3.	March - April	Unit-III	India-China Relations, India and South Asia (i) India-China relations (ii) India and South Asia: SAARC, Look East policy, Act East policy.	10
4.	April - May	Unit-IV	India and Contemporary World (i) India as an emerging global power, myth and reality (ii) India in the Contemporary World.	05

Counter Signature by HOD

Signature of Teacher

PROGRESS

Sl. No.	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of HOD/Principal
1.	19-12-23	1:00 - 1:45	Foreign Policy: Meaning, scope & objectives, Features	S. Das 19-12-23	
2.	19-12-23	1:45 - 2:30	Ideology of India's Foreign Policy	S. Das 19-12-23	
3.	20-12-23	1:00 - 1:45	Determinants of India's Foreign Policy	S. Das 20-12-23	
4.	21-12-23	1:00 - 1:45	Determinants of India's Foreign Policy	S. Das 21-12-23	
5.	28-12-23	1:00 - 1:45	India's Foreign Policy post colonial perspectives	S. Das 28-12-23	
6.	27-12-23	1:00 - 1:45	Idealistic phase of India's Foreign Policy	S. Das 27-12-23	
7.	28-12-23	1:00 - 1:45	Gradual shift from Idealism and adoption of self-help approach	S. Das 28-12-23	
8.	02-1-24	1:00 - 1:45	Pragmatic Foreign Policy to 'Realists'	S. Das 02-01-24	
9.	02-1-24	1:45 - 2:30	India's Relations with USA: Historical Relations	S. Das 02-01-24	
10.	03-1-24	1:00 - 1:45	India - USA relations during Cold War period	S. Das 03-01-24	
11.	04-01-24	1:00 - 1:45	India USA Relations in Post-Cold War Era	S. Das 04-01-24	
12.	06-01-24	1:00 - 1:45	India - USA Relations during Nixon's visit to India	S. Das 06-01-24	
13.	07-01-24	1:00 - 1:45	India - US Post-Cold War Relations	S. Das 07-01-24	

Verified by
Signature of HOD/Principal

PROGRESS

Class			Subject		
Sl. No.	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
14	9-1-24	1:00 1:45	Indo-USA Bi-lateral relations	<u>S. Das</u> 9-1-24	
15	10-1-24	1:00 1:45	India: Russia Relations: Introduction, Historical background	<u>S. Das</u> 10-1-24	
16	11-1-24	1:00 1:45	Post-Cold War India - Russia Relations	<u>S. Das</u> 11-1-24	
17	16-1-24	1:00 1:45	Post-Cold War India - Russia Relations	<u>S. Das</u> 16-1-24	
18	18-1-24	1:00 1:45	India's Relations with Russia during Putin's administration	<u>S. Das</u> 18-1-24	
19	20-1-24	1:00 1:45	India - China relations: Introduction during Nehru gov.	<u>S. Das</u> 20-1-24	
20	24-1-24	1:30 1:45	India - China Relations during Janata Gov. - Rajiv Gandhi Gov.	<u>S. Das</u> 24-01-24	
21	27-1-24	1:00 1:45	India - China Relations during PV Narasimha Rao's Gov. - Atal Bihari Vajpayee Gov.	<u>S. Das</u> 27-1-24	
22	30-1-24	1:00 1:45	India - China Relations during Manmohan Singh Gov.	<u>S. Das</u> 30-1-24	
23	30-1-24	1:45 0:30	India - China Relations during Modi Gov.	<u>S. Das</u> 30-1-24	
24	31-1-24	1:00 1:45	India and South Asia: Introduction, Challenges faced by South Asian Countries	<u>S. Das</u> 31-1-24	
25	01-2-24	1:00 1:45	India's South Asian Concerns in the 21st Century	<u>S. Das</u> 01-2-24	

PROGRESS

Class			Subject		
Sl. No.	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
26	08-2-24	4:10 1:45	SARIL: Introduction objectives, Composition	<u>S. Das</u> 08-02-24	
27	6-2-24	1:00 1:45	India & SARIL	<u>S. Das</u> 06-2-24	
28	6-2-24	1:45 2:30	Look East Policy: Significance of India's East Policy	<u>S. Das</u> 06-2-24	
29	07-2-24	1:00 1:45	Act East Policy: Objectives, Growing economic relations, Difference between Look East Policy & Act East Policy	<u>S. Das</u> 07-02-24	
30	8-2-24	1:00 1:45	Difference between Look East Policy & Act East Policy	<u>S. Das</u> 08-2-24	
31	12-2-24	9:00 10:00	India as an Emerging Global power.	<u>S. Das</u> 12-2-24	
32	17-2-24	10:00 11:00	Factors influencing India's Foreign Policy.	<u>S. Das</u> 17-2-24	
33	22-2-24	10:45 11:30	India's Geo-Strategic relevance and challenges	<u>S. Das</u> 22-2-24	
34	27-2-24	10:00 11:00	India in the Contemporary World.	<u>S. Das</u> 27-2-24	
35	28-2-24	09:15 10:15	Dynamics of the New Foreign Policy of India	<u>S. Das</u> 28-2-24	
36	6-3-24	10:00 10:30	India's Foreign Policy under Narendra Modi	<u>S. Das</u> 6-3-24	

Visit of
G. B. Pant
Library

Visit of
G. B. Pant
Library

LESSON PLAN

Class +2 and year Subject Core-10 No. of Periods/Week

Sl. No.	Month	Paper & Unit	Topics to be covered	No. of classes required
		<u>Unit-X</u>	<u>Global politics</u>	
01	December and January	Unit-I	Globalization: Conception (i) Understanding Globalization and its Alternative perspectives, Non-proliferation Regime (ii) Global Economy: Its significance and Anchors of Global political Economy: IMF, World Bank, WTO, TNICs	05 05
2.	Feb - March	Unit-II	Globalization: perspectives (i) Political debate on Sovereignty & Territoriality (ii) Cultural & Technological dimension (iii) Global resistances (Global social movements & NGOs) (iv) Ecological Issues: International Environmental Agreements, Climate change	05 05
3.	April - May - June	Unit-III	Contemporary Global Issues-I (i) Proliferation of nuclear weapons (ii) International Terrorism: non-state actors & state Terrorism: post 9/11 developments	05 05

Counter Signature by HOD

Signature of Teacher

PROGRESS

Class +2 and year Subject Core-10

Sl. No.	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
1.	20-12-23	9:15-10:00	Globalization: Meaning Characteristics	S. Das 20-12-23	
2.	24-12-23	9:15-10:00	Advantages of Globalization	S. Das 24-12-23	
3.	28-12-23	9:15-10:00	Disadvantages of Globalization	S. Das 28-12-23	
4.	27-12-23	9:15-10:00	Globalization & Its alternative perspective	S. Das 27-12-23	
5.	28-12-23	9:15-10:00	Non-proliferation Regime Role of UNO for non-proliferation	S. Das 28-12-23	
6.	03-1-24	9:15-10:00	The International Nuclear Non-proliferation Regime	S. Das 03-1-24	
7.	4-1-24	9:15-10:00	Global Economy: Meaning Effects, benefits	S. Das 04-1-24	
8.	6-01-24	10:00-10:45	Anchors of Global Political Economy: Int. Monetary Fund: context	S. Das 06-01-24	
9.	10-01-24	9:15-11:00	Functions of Int. Monetary Fund.	S. Das 10-01-24	
10.	11-1-24	9:15-10:00	World Bank: introduction objectives	S. Das 11-1-24	
11.	15-1-24	9:15-10:00	Structure & functions of World Bank	S. Das 15-1-24	
12.	20-1-24	10:00-10:45	World Trade Organization (WTO) - objectives, structure	S. Das 20-1-24	Verified Signature of HOD/Principal

PROGRESS

Class: T.B. 2nd Year

Subject: Comp - 10

Sl. No	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
13	24-1-24	9-10 10-11	Functions of WTO	S. Das 24-1-24	
14	25-1-24	9-10 10-11	Transnational Corporations: History, Types	S. Das 25-1-24	
15	27-1-24	10-11 11-12	Influences on National Political systems, Critics	S. Das 27-1-24	
16	28-1-24	9-10 10-11	Political debates on Sovereignty	S. Das 31-1-24	
17	1-2-24	9-10 10-11	Territoriality: challenges	S. Das 01-2-24	
18	8-2-24	10-11 11-12	Globalisation and its impact on state and sovereignty	S. Das 08-2-24	
19	9-2-24	9-10 10-11	Cultural dimension of Globalisation	S. Das 09-2-24	
20	9-2-24	9-10 10-11	Technological dimension of Globalisation	S. Das 09-2-24	
21	10-2-24	10-11 10-12	Technological dimension its impact on industrial structure	S. Das 10-02-24	
22	15-2-24	9-10 10-11	Impact of Financial crises	S. Das 15-02-24	
23	17-2-24	8-30 9-15	Global Resistance: meaning Different movements	S. Das 17-2-24	
24	21-2-24	8-30 9-15		S. Das 21-02-24	

PROGRESS

Class: T.B. 2nd year

Subject: Comp - 10

Sl. No	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
25	22-2-24	9-10 9-15	Global Movement: Arab Spring	S. Das 22-2-24	
26	24-2-24	8-30 9-15	Janine Revolution: Egypt, Yemen uprising	S. Das 24-02-24	
27	28-2-24	8-30 9-15	Rose Revolution, Orange Revolution	S. Das 28-02-24	
28	29-2-24	9-30 9-15	Global Social movement: NGOs and Role	S. Das 29-02-24	
29	07-3-24	9-15 10-10	Ecological issues	S. Das 07-3-24	
30	12-3-24	9-15 10-10	International Environmental Agreements	S. Das 12-3-24	
31	15-3-24	9-15 10-10	Int. Environment Agreement	S. Das 15-3-24	
32	28-3-24	9-15 10-10	Climate change: short	S. Das 28-3-24	
33	28-3-24	10-10 10-15	Global Warming	S. Das 28-3-24	
34	28-3-24	9-15 10-10	proliferation of nuclear weapons: meaning	S. Das 28-03-24	
35	4-4-24	9-15 10-10	proliferation of nuclear weapons	S. Das 04-04-24	

PROGRESS

Class +3 2nd year

Subject Core-10

Sl. No.	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
36.	5.4.24	10:00 10:45	Terrorism: Meaning Causes	S. Das 05.04.24	
37.	6.4.24	10:45 11:30	Methods of Terrorism	S. Das 06.4.24	
38.	8.4.24	9:15 10:00	Various groups of Terrorism	S. Das 8.4.24	
39.	20.4.24	9:15 10:00	Impact of Terrorism	S. Das 20.4.24	
40.	22.4.24	8:30 9:30	UN and fight against Terrorism	S. Das 22.4.24	
41.	23.4.24	10:00 10:45	Non-State Actors	S. Das 23.4.24	
42.	24.4.24	9:15 10:00	Cross Border Terrorism	S. Das 24.4.24	
43.	25.4.24	9:15 10:00	State Terrorism	S. Das 25.4.24	
44.	26.4.24	9:15 10:00	Post 9/11 developments.	S. Das 26.4.24	
45.	28.4.24	9:15 10:00	Revision	S. Das 28.4.24	
46.	29.4.24	9:15 10:00	Question Answer discussion	S. Das 29.4.24	
47.	30.4.24	9:15 10:00	Revision	S. Das 30.4.24	
48.	01.5.24	9:15 10:00	Revision	S. Das 01.5.24	

LESSON PLAN

Class +2 1st year Subject Comp - 4 No. of Periods/Week _____

Sl. No	Month	Paper & Unit	Topics to be covered	No. of classes required
11	8-4-24	C:02 P	<u>Political Process in India</u>	
01	March and April	Unit-I	Indian party system	05
			(i) Party system in India: Features & Trends	02
			(ii) Voting behaviour and its determinants: Caste, class, Gender and Religion.	03
2-	May - June	Unit-II	Regionalism, Religion and politics	05
			(i) Regionalism: Cause and its trends.	05
			(ii) Secularism and Communalism Debates.	

Course Signature by HOD

Signature of Teacher

PROGRESS

Class +2 1st year Subject Comp-4

Sl. No	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
1.	09.03.24	9:30-9:45	Political parties: Introduction and Evolution	S. Das 09.03.24	
2.	12.03.24	9:30-9:45	Features of Indian party system	S. Das 12.03.24	
3.	15.03.24	9:30-9:45	Features of Indian party system	S. Das 15.03.24	
4.	18.03.24	9:30-9:45	Indian National Congress & BJP	S. Das 18.03.24	
5.	21.03.24	11:30-12:15	CPI, CPI(m), BIP & other political parties	S. Das 21.03.24	
6.	26.03.24	10:45-11:30	Regional political parties	S. Das 26.03.24	
7.	28.03.24	8:20-9:15	Determinants of voting behaviour: Introduction: Caste & class	S. Das 28.03.24	
8.	04.04.24	10:00-10:45	Determinants of voting behaviour: Gender, Religion, Party Loyalty	S. Das 04.04.24	
9.	05.04.24	10:45-11:30	Determinants of voting behaviour	S. Das 05.04.24	
10.	06.04.24	11:00-10:45	Election Commission: Composition, Independence	S. Das 06.04.24	

PROGRESS

Class +8 1st Year Subject Con-4

Sl. No	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
11	08-4-24	10:00 10:45	Functions of Election Commission	<u>S. Das</u> 08-4-24	
12	12-4-24	9:30 9:45	Indian Election System: Features	<u>S. Das</u> 12-4-24	
13	19-4-24	11:00 11:45	Electoral process in India	<u>S. Das</u> 19-4-24	
14	22-4-24	7:45 10:00	Proposals for electoral reforms	<u>S. Das</u> 22-4-24	
15	28-4-24	9:30 9:45	Regionalism: Introduction Causes	<u>S. Das</u> 28-4-24	
16	27-4-24	9:30 9:45	Forms of Regionalism	<u>S. Das</u> 27-4-24	
17	27-4-24	10:00 10:45	Forms of Regionalism	<u>S. Das</u> 27-4-24	
18	30-4-24	8:30 9:15	Factors responsible for regional imbalances	<u>S. Das</u> 30-4-24	
19	01-5-24	10:00 10:45	Steps for removing Regional Imbalances	<u>S. Das</u> 01-5-24	
20	02-5-24	8:30 9:15	Role of Religion in Indian politics	<u>S. Das</u> 02-5-24	

PROGRESS

Class +8 1st Year Subject Con-4

Sl. No	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
21	13-7-24	9:15 10:00	Religion and the Constitution of India	<u>S. Das</u> 13-7-24	
22	16-7-24	9:15 10:00	Secularism: Introduction Different views Secularism	<u>S. Das</u> 16-7-24	
23	24-7-24	9:15 10:00	Secular features of Indian Constitution	<u>S. Das</u> 24-7-24	
24	25-7-24	9:15 10:00	Debates of Secularism	<u>S. Das</u> 25-7-24	
25	31-7-24	9:15 10:00	Communalism: Introduction Nature	<u>S. Das</u> 31-7-24	
26	01-8-24	9:15 10:00	Causes of Communalism	<u>S. Das</u> 01-8-24	
27	02-8-24	9:15 10:00	Remedies of Communalism	<u>S. Das</u> 02-8-24	

Date
 Signature of H.O.D./Principal
 Signature of Teacher

LESSON PLAN

Class +3 Unit Dem Subject GE-II (PPT) No. of Periods/Week _____

Sl. No.	Month	Paper & Unit	Topics to be covered	No. of classes required
		A - IIB	<u>Governance: Issues and Challenges</u>	
		Unit-III	Local Governance: (i) Democratic Decentralization: Institutions of Local Governance (ii) People's participation in Local Governance & Deepening Democracy	07 05
		Unit-IV	Good Governance Initiatives in India (i) Public Service Guaranteed Acts Electronic Governance (ii) Citizens Charter and Right to Information Corporate Social Responsibility	05 06

[Signature]
Counter Signature by HOD

[Signature]
Signature of Teacher

PROGRESS

Class _____ Subject _____

Sl. No.	Date	Time	Topics covered (If class not taken, mention the reasons)	Signature of Teacher	Signature of H.O.D./Principal
01.	09.03.24	10:45 11:30 AM	Democratic Decentralization: Meaning, Evolution &	<i>[Signature]</i> 09.03.24	
2.	15.03.24	10:45 11:30 AM	Democratic Decentralization in India: Local Government - 74th Amendment	<i>[Signature]</i> 15.03.24	
3.	16.03.24	10:45 11:30 AM	74th Amendment	<i>[Signature]</i> 16.03.24	
4.	22.03.24	10:45 11:30 AM	People's Participation: objectives, types	<i>[Signature]</i> 22.03.24	
5.	28.03.24	10:45 11:30 AM	Values and Stages of People's Participation	<i>[Signature]</i> 28.03.24	
6.	30.03.24	10:45 11:30 AM	Relationship between Good Governance & People's Participation	<i>[Signature]</i> 30.03.24	
7.	06.04.24	10:45 11:30 AM	Deepening Democracy: Approaches	<i>[Signature]</i> 06.04.24	
8.	12.04.24	10:45 11:30 AM	Deepening Democracy through Participatory and Deliberative Democracy	<i>[Signature]</i> 12.04.24	
9.	18.04.24	10:45 11:30 AM	Democratic challenges	<i>[Signature]</i> 18.04.24	
10.	19.04.24	10:45 11:30 AM	Democratic challenges to Deepening Democracy	<i>[Signature]</i> 19.04.24	
11.	24.04.24	10:45 11:30 AM	Public Service Guarantee Act Public Service Laws in India	<i>[Signature]</i> 24.04.24	<i>[Signature]</i>

PATTAMUNDAI COLLEGE, PATTAMUNDAI



KENDRAPARA, ODISHA - 754215

MENTOR-MENTEE REGISTER

ACADEMIC SESSION 2023 - 2024

Arabinda Panda
Lecturer in Mathematics

PATTAMUNDAI COLLEGE, PATTAMUNDAI
Mentor and Mentee Attendance and Report Register

Semester 2023-24

Name of the Mentor with Designation and Contact no.		Arabinda Pandab, lecturer in Mathematics 9937254024.	
Students' Name and Roll no.	Email Id and Contact no.	Students' Name and Roll no.	Email Id and Contact no.
Pabitra sethy BS(P) 21 - 046	pabitra.sethy2004@gmail.com 7815028664	Suryaswata Jiban Dash BS(P) 21 - 062	binaykrushna.jibandash@gmail.com 9938656222
Abhishek Parida BS(P) 21 - 047	prasannaparida35@gmail.com 9938224019	Sradhangali Sahoo BS(P) 21 - 063	sradhaemail01@gmail.com 789675486
Adarsh Padhihari BS(P) 21 - 049	adarpadhihari1397@gmail.com 9663993982	Abhijit Sahoo BS(P) 22 - 033	abhijitsahoo742@gmail.com 8942978948
Soubhagya Kumar Mishra BS(P) 21 - 052	princeela8861@gmail.com 9938199551	Arpita Pradhan BS(P) 22 - 035	arpita.pradhan37@gmail.com 7325811432
Satyaprakash Dag BS(P) 21 - 053	prakashsatyadas09@gmail.com 6272289986	Ankita Swain BS(P) 22 - 039	swainprahallad32@gmail.com 6371670046
Rashmiragan Sethi BS(P) 21 - 054	rashmiragan16995@gmail.com 7736771225	Rohan Kumar Dag BS(P) 22 - 040	sarojdas123nn@gmail.com 9337575546
Arpita Padhi BS(P) 21 - 058	pratappadhi1992@gmail.com 9853435353	Sasmita Dag BS(P) 22 - 041	ashutoshdas674591@gmail.com 9348552308
Smrutimaya Bal BS(P) 21 - 059	smrutimaya2004@gmail.com 6371072891	Prakruti Malik BS(P) 22 - 044	dilipnnp1111@gmail.com 7894339745
Sourav Bhuyan BS(P) 21 - 060	sbhuyan192@gmail.com	Ashutosh Parida BS(P) 22 - 045	psanghamitra06@gmail.com 9668608152
Amit Kumar Jena BS(P) 21 - 061	amitkumarj1236@gmail.com 8908751550	Minakshi Dag BS(P) 22 - 047	larmendag46@gmail.com 9178032217

24082020

PATTAMUNDAI COLLEGE, PATTAMUNDAI
Mentor and Mentee Attendance and Report Register

Session - 2023-24.

Name of the Mentor with Designation and Contact no.	Aravinda Pandab, Lecturer in Mathematics 9937254024		
Students' Name and Roll no.	Email Id and Contact no.	Students' Name and Roll no.	Email Id and Contact no.
Subrat Nayak BS(P)22-049	subratna6363@gmail.com 9658230367	Elina Nayak BS(P)23-087	elinanayak2023@gmail.com 8984148522
Pravat Kumar Mirchha BS(P)22-050	pravat.kumar.mirchha@gmail.com 9938286694	Sumit Patra BS(P)23-088	sumitpatra9090@gmail.com 9668991592
Prajna Samal BS(P)22-051	prajnasamal19@gmail.com 9937891329	Satyarajan Rout BS(P)23-089	soubhagavati67@gmail.com 7008026518
Srutirekha Sahoo BS(P)22-052	srutirekhasahoo79@gmail.com 7749996614	Bikash Jena BS(P)23-090	bikashjena9926@gmail.com 8926089226
Pragnya Paramita Rout BS(P)23-078	pragnyaparamitarout32@gmail.com 8984286863	Omprakash Lenka BS(P)23-091	omprakashlenka@gmail.com 9078851461
Manas Ranjan Dag BS(P)23-079	manasdag92190@gmail.com 7787866167	Suryanshu Sekhar Kabi BS(P)23-092	suryanshussekharabi@gmail.com 9040468717
Banita Baral BS(P)23-080	soniprabhaband@gmail.com 9938906002		
Somnath Rout BS(P)23-081	Somnathrout19@gmail.com 9938664341		
Subharayan Sahoo BS(P)23-083	subharajansahoo12@gmail.com 9556224090		
Abhijeet Swain BS(P)23-086	abhijetswainabhijetswain@gmail.com 7205648806		

PATTAMUNDAI COLLEGE, PATTAMUNDAI
Report of the Mentor

Session 2023-24.

Sl. No.	Mentee Roll No	Problems of Mentee Identified	Steps taken to solve the problem
01	BS(P)21-046	He raised a question to arrange some doubt clearing classes in DSE subject.	I conveyed the matter to Academic Bursar to make arrangement for doubt clearing class.
02	BS(P)21-052	The student raised an issue to arrange 'YOGA' classes in morning hours.	I conveyed this message to Principal and he assured to arrange a trainer for 'YOGA' class.
03	BS(P)21-047	He raised a question to arrange some doubt in core subject.	I conveyed the message to Academic Bursar to make arrangement for doubt clearing class.
04	BS(P)21-053	Student raised a doubt in DSE subject.	I conveyed this message to HOD and he assured to clarify the doubt.
05	BS(P)21-054	He raised a doubt in core subject.	I conveyed this message to HOD and he assured to clarify the doubt.
06	BS(P)21-060	He requested to arrange general awareness and personality development class.	I conveyed this message to Principal and he assured to make provision of general class with a discussion in Staff Council meeting.

Signature of Mentor
25/08/23

Signature of Coordinator
25/08/23
Mentor-Mentee Committee

Principal
25/8/23
Principal
Pattamundai College

PATTAMUNDAI COLLEGE, PATTAMUNDAI
Report of the Mentor

Sl. No.	Mentee Roll No	Problems of Mentee Identified	Steps taken to solve the problem
01	BS(P)23-090	He raised an issue to arrange some doubt clearing class in core subject.	I communicated this message to HOD and clarified his doubt.
02	BS(P)23-091	He raised an issue to arrange some doubt clearing class in core subject.	I communicated this message to HOD and he arranged extra class and clarified his doubt.
03	BS(P)22-047	She raised the issue of "Yoga" class in campus.	I communicated this message to Principal and he assured to make provision.
04	BS(P)22-041	She raised the issue of doubt in core subject.	I communicated this message to HOD and he clarified her doubt.
05	BS(P)22-039	She raised the issue of doubt in SEC-I subject.	I communicated this message to concerned teacher and he clarified her doubt.

Anand Lakshmi
Signature of Mentor
01/09/23

[Signature]
Signature of Coordinator
Mentor-Mentee Committee
11/9/23

[Signature]
Principal
Pattamundai College

PATTAMUNDAI COLLEGE, PATTAMUNDAI
Report of the Mentor

Sl. No.	Mentee Roll No	Problems of Mentee Identified	Steps taken to solve the problem
01	BS(P)23-078	She raised an issue of doubt in core subject.	I communicated this message to HOD and he clarified her doubt.
02	BS(P)23-079	He raised an issue of doubt in core subject.	I communicated this message to HOD and he clarified his doubt.
03	BS(P)23-081	He raised an issue of doubt in core subject.	I communicated this message to HOD and he clarified his doubt.
04	BS(P)23-083	She raised an issue of doubt in core subject.	I communicated this message to HOD and he clarified his doubt.
05	BS(P)23-086	He raised an issue of doubt in Environmental studies.	I communicated this message to Smt Sargani Mishra and she clarified his doubt.
06	BS(P)22-049	He raised an issue of doubt in SEC-1 subject.	I communicated this message to Mr. Saroj Kumar Nayak, faculty of English and he clarified his doubt.

Amalale
Signature of Mentor
08/09/23

[Signature]
Signature of Coordinator
Mentor-Mentee Committee
09/09/23

[Signature]
Principal
Pattamundai College
08/09/23

PATTAMUNDAI COLLEGE, PATTAMUNDAI
Report of the Mentor

Sl. No.	Mentee Roll No	Problems of Mentee Identified	Steps taken to solve the problem
01	BS(P)22-035	She raised an issue of doubt in SFC-1 subject.	I communicated this message to Dr Manoj Kumar Prasad, faculty of English and he clarified her doubt.
02	BS(P)22-039	She raised an issue of doubt in core subject.	I communicated this message to HOD and he clarified her doubt.
03	BS(P)21-049	He raised an issue of doubt in DSE subject.	I communicated this message to HOD and he clarified his doubt.
04	BS(P)21-052	He raised an issue of doubt in core subject.	I communicated this message to HOD and he clarified his doubt.
05	BS(P)21-053	He raised an issue of doubt in core subject.	I communicated this message to HOD and he clarified his doubt.

Archana Pandey
Signature of Mentor
15/09/23

A/S
15/9/23
Signature of Coordinator
Mentor-Mentee Committee

D/S
15/9/23
Principal
Pattamundai College

PATTAMUNDAI COLLEGE, PATTAMUNDAI
Report of the Mentor

Sl. No.	Mentee Roll No	Problems of Mentee Identified	Steps taken to solve the problem
01	BS(B)21-054	He wants an extra class in morning hours	I communicated this message to principal and he assured to make provision.
02	BS(B)21-058	She raised an issue of doubt in Core subject.	I communicated this message to HOD and he cleared her doubt.
03	BS(B)21-059	He raised an issue of doubt in DSII subject.	I communicated this message to HOD and he cleared his doubt.
04	BS(P)22-039	She raised an issue of doubt in SEC-I subject.	I communicated this message to Sri Sarojkanta Nayak faculty of English and he cleared her doubt.
05	BS(P)22-040	He raised an issue of doubt in Core subject.	I communicated this message to HOD and he cleared his doubt.
06	BS(P)22-041	She raised an issue of doubt in SEC-I subject.	I communicated this message to HOD, English and he made extra classes for clarification of doubt.

Signature of Mentor

22/09/23

Signature of Coordinator
Mentor-Mentee Committee

Principal

Principal
Pattamundai College

PATTAMUNDAI COLLEGE, PATTAMUNDAI
Report of the Mentor

Sl. No.	Mentee Roll No	Problems of Mentee Identified	Steps taken to solve the problem
01	BS(P)21-061	He raised an issue of Yoga class in morning hour.	I communicated this message to Principal and he assured to make provision.
02	BS(P)21-060	He raised an issue of arrangement of spoken English class for attending interview.	I communicated this message to Principal as he assured to arrange the speaking class with HOD, English.
03	BS(P)21-062	He raised an issue of doubt in core subject.	I communicated the message to HOD and he clarified his doubt.
04	BS(P)21-063	She raised an issue of doubt in DSE subject.	I communicated this message to HOD and he clarified his doubts.
05	BS(P)22-044	She raised an issue of doubt in SEC-I subject.	I communicated this message to Dr. Manohar Kumar Nayak, faculty of English and he clarified his doubts.

Aravind Paul
Signature of Mentor
13/10/23

A.P. 13/10/23
Signature of Coordinator
Mentor-Mentee Committee

A.P. 13/10/23
Principal
Principal
Pattamundai College

PATTAMUNDAI COLLEGE, PATTAMUNDAI
Report of the Mentor

Sl. No.	Mentee Roll No	Problems of Mentee identified	Steps taken to solve the problem
01	BS(D)22-044	She raised an issue of doubt in Core Subject.	I communicated this message to HoD and he clarified her doubt.
02	BS(P)22-045	He raised an issue of doubt in SEC-I subject.	I contacted Sri Sanykandan Wayne, teacher at Angath and he clarified her doubt.
03	BS(D)22-047	She raised an issue of doubt in Core Subject.	I communicated this message to HoD and he resolved the issue by arranging extra class.
04	BS(P)21-059	He raised an issue of doubt in DSIE subject.	I communicated this message to HoD and he resolved the issue.
05	BS(D)21-060	He raised an issue of doubt in Core Subject.	I communicated this message to Dr. Nirmal Kumar, faculty of Mathematics and he clarified his doubt.
06	BS(P)21-061	He raised an issue of doubt in DSIE subject.	I communicated this message to HoD and he clarified his doubt.

Arahel Padi
Signature of Mentor
03/11/23

A/S
Signature of Coordinator
Mentor-Mentee Committee
23/11/23

[Signature]
Principal
Pattamundai College

PATTAMUNDAI COLLEGE, PATTAMUNDAI
Report of the Mentor

Sl. No.	Mentee Roll No	Problems of Mentee Identified	Steps taken to solve the problem
01	BS(P)23-087	She raised an issue of 'Cross' on the flow of cytochrome.	I communicated this message to Principal and he assured to make repair work.
02	BS(P)23-088	He raised an issue of doubt in core subject.	I communicated this message to HOD and he assured to clarify doubts.
03	BS(P)23-089	He raised an issue of doubt in FVS subject.	I communicated this message to Sub Sarojini Mishra, HOD Zoology and she clarified his doubts.
04	BS(P)23-090	He raised an issue of doubt in core subject.	I communicated this message to HOD and he clarified his doubts.
05	BS(P)23-091	He raised an issue of doubt in FVS subject.	I communicated this message to Sub Sushanta Biswal, faculty of Zoology and she clarified his doubts.
06	BS(P)23-092	He raised an issue of doubt in core subject.	I communicated this message to HOD and he clarified his doubts.

Aravind Kumar
 Signature of Mentor
 24/11/23

A. R. 24/11/23
 Signature of Coordinator
 Mentor-Mentee Committee

A. S. 24/11/23
 Principal
 Pattamundai College

PATTAMUNDAI COLLEGE, PATTAMUNDAI
Report of the Mentor

Sl. No.	Mentee Roll No	Problems of Mentee Identified	Steps taken to solve the problem
01	BS(P)22-049	He raised an issue of doubt in Core subject.	I communicated this message to HOD and he clarified his doubts.
02	BS(P)22-050	He raised an issue of doubt in Core subject.	I communicated this message to HOD and he clarified his doubts.
03	BS(P)22-051	She raised an issue of doubt in DSE-I Subject.	I contacted Sri Suroj Kanta Nayak faculty of English and he clarified her doubts.
04	BS(P)22-052	She raised an issue of doubt in Core subject.	I communicated this message to HOD and he clarified her doubts.
05	BS(P)23-078	She raised an issue of doubt in Core subject.	I communicated this message to HOD and he clarified her doubts.

Prabir Paul
Signature of Mentor
01/12/23

APR 11/12/23
Signature of Coordinator
Mentor-Mentee Committee

Prabir Paul
Signature of Principal
Principal
Pattamundai College

PATTAMUNDAI COLLEGE, PATTAMUNDAI
Report of the Mentor

Sl. No.	Mentee Roll No	Problems of Mentee Identified	Steps taken to solve the problem
01	BSCP22-049	He raised an issue of doubt in SEC-I subject.	I communicated this message to HOD, and he clarified his doubts.
02	BSP22-050	He raised an issue of doubt in Core subject.	I communicated this message to HOD and he clarified his doubts.
03	BSCP22-051	She raised an issue of doubts in SEC-I subject.	I communicated this message to Sr. Lecturer Nagesh, faculty of English and he clarified her doubts.
04	BSCP22-052	She raised an issue of doubts in Core subject.	I communicated this message to HOD and he clarified her doubts.
05	BSCP23-078	She raised an issue of doubts in EVS subject.	I communicated this message to Sr. Lecturer Mathan, HOD English and he clarified her doubts.

Prabhu Lal
Signature of Mentor
08/12/23

Al 01/14/23
Signature of Coordinator
Mentor-Mentee Committee

[Signature]
Principal
Pattamundai College

PATTAMUNDAI COLLEGE, PATTAMUNDAI
Report of the Mentor

Sl. No.	Mentee Roll No	Problems of Mentee Identified	Steps taken to solve the problem
01	BS(P) 23-079	He raised an issue of practice of exercises "gymnasium"	I communicated this message to him promptly and he agreed to make arrangements during extra hour.
02	BS(P) 23-080	She raised an issue of doubt in Core subject.	I communicated this message to HOD and he clarified his doubt.
03	BS(P) 23-081	He raised an issue of doubt in EVS subject.	I communicated this message to Smt. Sushrutha Bhowmik, faculty of Zoology and she cleared her doubt.
04	BS(P) 23-083	He raised an issue of doubt in Core subject.	I communicated this message to HOD and he clarified his doubt.
05	BS(P) 23-086	He raised an issue of doubt in Core subject.	I communicated this message to HOD and he clarified his doubt.

Aravind Pal
Signature of Mentor
15/12/23

AJ
Signature of Coordinator
Mentor-Mentee Committee
15/12/23

J
Principal
15/12/23
Principal
Pattamundai College

PATTAMUNDAI COLLEGE, PATTAMUNDAI
Report of the Mentor

Sl. No.	Mentee Roll No	Problems of Mentee Identified	Steps taken to solve the problem
01	BS(P)23-086	He raised an issue of arranging 'Yoga' class in evening hours.	I communicated this message to Principal and he agreed to make a discussion regarding this with staff council.
02	BS(P)23-083	He raised an issue of doubt in Core subject.	I communicated this message to HOD and he solved his problem.
03	BS(P)23-081	He raised an issue of doubt in EVS subject.	I communicated this message to Mrs Subramita Biswal, faculty of Botany and she clarified his doubt.
04	BS(P)23-087	She raised an issue of cleanliness in girls common room.	I communicated this message to Dr. L. P. Patra, faculty of ODA and a scheme of arrangement for girls and she made provision of cleaning.
05	BS(P)23-088	He raised an issue of doubt in Core class.	I communicated this message to HOD and he made provision for extra classes for doubt clearing.
06	BS(P)23-091	He raised an issue of doubt in EVS class.	I communicated this message to Mrs. S. S. Jena, faculty of Zoology and she clarified his doubt.

A. K. S. S. S.
Signature of Mentor
22/12/23

A. K. S. S. S.
Signature of Coordinator
Mentor-Mentee Committee
21/12/23

A. K. S. S. S.
Principal
Principal
Pattamundai College

PATTAMUNDAI COLLEGE, PATTAMUNDAI
Report of the Mentor

Sl. No.	Mentee Roll No	Problems of Mentee Identified	Steps taken to solve the problem
01	BS(P)22-049	He raised an issue of doubt in DIS-1 subject.	I communicated this message to Prisoorka Nagesh faculty of English as he cleared his doubts.
02	BS(P)22-050	He raised an issue of college canteen.	I communicated this message to principal and he assured to make provision after completion of construction work of college canteen.
03	BS(P)22-051	She raised an issue of doubt in core subject.	I communicated this message to HOD as he clarified her doubts.
04	BS(P)22-052	She raised an issue of doubt in core subject.	I communicated this message to HOD as he clarified her doubt.
05	BS(P)23-078	She raised an issue of doubt in core subject.	I communicated this message to HOD as he clarified her doubts.
06	BS(P)23-079	He raised an issue of doubt in core subject.	I communicated this message to HOD as he clarified his doubts.

Aravind Pail
Signature of Mentor
16/02/24

Signature of Coordinator
Mentor-Mentee Committee
16/2/24

Signature of Principal
Principal
Pattamundai College
16/2/24

70-6000

PATTAMUNDAI COLLEGE, PATTAMUNDAI
Report of the Mentor

Sl. No.	Mentee Roll No	Problems of Mentee Identified	Steps taken to solve the problem
01	BS(P)21-058	She raised an issue of doubt in DSE subject.	I communicated the message to HOD as he clarified her doubt.
02	BS(P)21-059	She raised an issue of doubt in OS2 subject.	I communicated the message to HOD as he made provision of extra class to clarify her doubt.
03	BS(P)21-060	He raised an issue of doubt in Core subject.	I communicated the message to HOD as he clarified her doubt.
04	BS(P)22-045	He raised an issue of doubt in BSE-1 subject.	I communicated the message to Dr Manish Kumar Nayak, faculty of Bangalore as he clarified his doubt.
05	BS(P)22-047	She raised an issue of doubt in Core subject.	I communicated the message to HOD as he clarified her doubt.

Signature of Mentor
08/08/24

Signature of Coordinator
Mentor-Mentee Committee

Signature of Principal
Principal
Pattamundai College

PATTAMUNDAI COLLEGE, PATTAMUNDAI
Report of the Mentor

Session 2023-24.

o. Mentee Roll No	Problems of Mentee Identified	Steps taken to solve the problem
BS(O)23-080	She raised an issue of doubt in Core subject	I communicated this message to HOD and he clarified his doubts.
BS(P)23-081	He raised an issue of doubt in EVS subject.	I communicated this message to Smt. Saanjivi Mishra, but in Zoology and she clarified his doubts.
BS(O)23-083	He raised an issue of doubt in EVS subject.	I communicated this message to Smt. Sachismita Biswal, faculty of Botany and she clarified his doubts.
BS(P)23-086	He raised an issue of doubt in Core subject.	I communicated this message to HOD and he clarified his doubts.
BS(O)23-087	She raised an issue of doubt in Core subject.	I communicated this message to HOD and he clarified his doubts.

Signature of Mentor
22/03/24

Signature of Coordinator
Mentor-Mentee Committee
22/03/24

Signature of Principal
Principal
Pattamundai College

PATTAMUNDALAI COLLEGE, PATTAMUNDALAI
Report of the Mentor

Semester 2023-24

Sl. No.	Mentee Roll No	Problems of Mentee Identified	Steps taken to solve the problem
01	BS(P)22-049	The boy raised an issue that there should be 'Yoga' class in morning hours.	I communicated this message to principal and he assured to arrange a trainer for 'Yoga'.
02	BS(P)23-079	He raised regarding doubts in core subject.	I conveyed this message to Academic Bursar and he assured to arrange extra class.
03	BS(P)23-086	He raised issue of doubts in DSE subject.	I conveyed this message to HOD and he assured to clarify doubts.
04	BS(P)23-088	He raised issue of doubts in core subject.	I conveyed this message to Principal and he assured to make provision of doubt clearing class.
05	BS(P)23-089	He raised the issue of crack in floor of cycle shade.	I communicated this message to Principal and he assured to arrange the repair work of floor of cycle shade.
06	BS(P)23-090	He raised the issue of doubts in core subject.	I conveyed this message to HOD and he assured to clarify doubts.

A. S. S. S.
Signature of Mentor
19/04/24.

A. S. S. S.
Signature of Coordinator
Mentor-Mentee Committee

A. S. S. S.
19/04/24
Principal
Pattamundai College



A SEMINAR ON
'Role of Coastal Wetlands in Mitigating Climate Change'

Resource Person: Mr. Muktipada Panda, Asst. Professor, Banki Autonomous College, Banki.

Date: 29th Sept. 2023

DEPARTMENT OF BOTANY
PATTAMUNDAI COLLEGE
PATTAMUNDAI



**PATTAMUNDAI COLLEGE NACC
REACCREDITED B GRADE
PATTAMUNDAI, KENDRAPARA, ODISHA,**

**ACADEMIC YEAR 2023-24
DEPT. OF BOTANY
Pattamundai College, Pattamundai**

Name of the Activity: Seminar on Role of coastal wetland in mitigating climate change.
Date: 29-09-2023
Resource Person: Mr. Muktipada Panda, Asst. Professor, Banki Autonomous College, Banki.

Duration- One Day
Participants: Student - 38

Learning Objective:

1. To aware students about coastal plant diversity.
2. To emphasize on conservation of mangroove forest.
3. To know about climate change and its effect.
4. To know role of coastal wetland in mitigating climate change.

Learning Outcomes:

1. They came to know about different plant diversity of coastal area.
2. Learned about importance of mangrove forest to protect coastal area from the adverse effect of cyclone.
3. They came know about adverse effect of climate change .



Report of the Event:

A Seminar was organised by Dept. Of Botany, Pattamundai College, Pattamundai. on 29th september 2023 on the topic **Role of Coastal Wetland in mitigating Climate.** Mr. Muktipada Panda was the esteemed resource person of the Seminar. Dr. Anjali Kumari Dash, H.O.D, Dept. Of Botany, presided over the meeting and welcomed all the dignitaries on dias followed by guest introduction. Mrs. Suchismita Biswal, Lecturer in Botany delivered a keynote speech on concerned topic. Mr. Muktipada Panda in his lecture elaborately described about how coastal wetland has a great role in mitigating climate change. About forty students have participated in this seminar. At last, Mr. Abhimanyu Mohanty, Demonstrater in Botany proposed a vote of thanks.

[Signature]
23.09.2024
Signature of the Head of
the Department
Pattamundai
pattamundai

[Signature]
23/09/2024
Signature of the
Coordinator
IQAC Co-ordinator
Pattamundai College

[Signature]
23/09/24
Principal
Principal
Pattamundai College

Wetlands offer essential ecosystem services that support the environment. They hold about 125,000 freshwater species. Wetlands are critical to successfully maintaining the earth, especially against climate change. They can help us change the tides of climate change worldwide. We often underestimate the role of nature in taking care of itself, especially when it is free from human interference.

Healthy wetlands can sequester carbon in their soils and biomass. Healthy wetlands also support coastal communities and serve as nesting grounds for biodiversity. This article explores four facts about wetlands' potential to reduce and control climate change.

Wetlands are areas that are totally or partially covered with water. They are transitional between permanently flooded deep water areas and areas with their water tables near the surface. Sometimes, shallow water covers the surface of the land. Examples of wetlands are:

- brackish marsh,
- fresh marshes,
- salt marshes,
- swamps,
- wet prairies,
- bogs,
- forested wetlands,
- and vernal pools.

You can also refer to wetlands as areas with dominant natural water saturation levels, determining the soil development processes and the plants and animals inhabiting them. The covering of water in some wetlands could be permanent or seasonal.

Types of wetlands

There are two types of wetlands. They are:

Coastal Wetland

A coastal wetland is an area of land connected to estuaries where natural freshwater mixes with the ocean's salt water, creating a new environment with varying salt levels. The constant sea level rise and saltwater make a coastal wetland difficult for plant species.

Therefore, you will barely find vegetation in many coastal wetlands. However, some plants can withstand the conditions of a coastal wetland. There are various sub-groups of coastal wetlands. They are:

- Coral reefs
- Marine subtidal aquatic beds, i.e., seagrass beds
- Estuarine waters
- Intertidal marshes
- Coastal freshwater lagoons
- Coastal brackish/saline lagoons
- Intertidal forested wetlands

Inland wetland

Wetlands play a key role in buffering the effects of climate change, thereby supporting climate adaptation and resiliency. Indeed, vegetated and healthy wetlands are among the most effective sinks for carbon on the planet. The carbon sequestration capacity of Mediterranean wetlands is highly variable among different ecosystems, as are their hydrology and productivity. However, among these, seagrass beds (Blue carbon) are known to be very important carbon sinks.

Wetlands are among the ecosystems that are most strongly impacted by even small changes in climate and resulting changes in hydrologic regimes, in particular through sea level rise and decreased surface and ground water levels.

(Cook 1996)

- ✓ *“Wetlands are lands transitional between terrestrial and aquatic systems where the water table is usually at or near the surface or the land is covered by shallow water” Cowardin et al. (1979)*
- ✓ *“a wetland is a shallow seasonally or permanently waterlogged area which normally supports hydrophytic vegetation” Denny (1985)*

Mangrove: A potential coastal ecosystem for climate change mitigation

- Account ~0.7% of the tropical forest, but store significantly large amount of atmospheric carbon (or ‘blue carbon’) mostly in the form of tree biomass and sedimentary stock than temperate and tropical ecosystems.

The coastal stretch holds two Ramsar sites:

1. **Chilika:** Asia’s largest brackish water lagoon,
2. **Bhitarkanika Wildlife Sanctuary:** 672 km² extensive mangrove forest and wetland

and

World’s largest known nesting beach of olive Ridley sea turtles (**Gahirmatha marine sanctuary** and the **Rushikulya estuary**).

- High intensity natural calamities
- Sea level rise and increase of salinity
- Expansive human interference (felling of trees for fuels and timbers)
- Extensive shrimp aquaculture
- Fast urbanization and settling of industries
- Population increase

- Coastal tourism
- Cattle grazing
- Pathogenic infection
- Pollinator deficiency
- Insect herbivory

Invasive and exotic halophytes

- *Acanthus ilicifolius*
- *Suaeda maritima*
- *Caesalpinia crista*
- *Ipomoea pes-caprae*
- *Heliotropium curassavicum*
- *Fimbristylis ferruginea*
- *Porteresia coarctata*
- *Salvadora persica*
- *Sesuvium portulacastrum*
- *Trianthema portulacastrum*
- *Clerodendron inerme*
- *Mimosa pudica*
- *Parthenium histrophorus*
- *Cleome viscosa*
- *Croton bonplandianum*

Conservation and Management

- **Prawn culture and related settlements to be restricted**

- **Coastal management plans to be promoted**
- **Research to be facilitated to track the change**
- **Reforestation and conservation site specific rare species to be promoted**
- **Human interference to be reduced**
- **Industry and port development not to be allowed**
- **Tourism only to be allowed in the buffer zone**
- **Pesticide use in surrounding crop field to be reduced.**
- **Animal poaching strictly to be punished**

4 Facts about coastal wetlands' contribution to mitigating climate change

1. Wetlands regulate, capture, and store greenhouse gases more than other natural ecosystems.

Inland and coastal wetlands can remove carbon and other greenhouse gases from the atmosphere and transfer them into the wetlands' soil as organic soil matter. Wetland producers remove carbon dioxide through photosynthesis. Then, they convert it into cellulose and other carbon compounds before it becomes soil organic matter.

Wetlands are very productive ecosystems. Their plants capture carbon easily from the atmosphere and store it in their fauna. There are three steps involved in the process of a wetland's climate change adaptation process. They are photosynthesis, sedimentation, and nutrient enrichment through external factors. Photosynthesis by the wetland plants adds organic matter to the wetland's floor.

The sedimentation process is the process of the particles in water settling down. The native plants in wetlands do this by slowing down the water velocity and providing a surface for the suspended particles to bind, thus preventing the possibility of the particles from suspending again.

Wetlands' ability to capture carbon from the atmosphere also depends on the input and output of carbon.

Carbon inputs comprise carbon dissolved and suspended in inflowing and runoff water. It also includes carbon in aging plants in wetlands. Carbon outputs include dissolved and suspended carbon in outflowing waters. Carbon outputs also include the inorganic forms of carbon released as CO_2 and CH_4 through mineralization during the decomposition of organic matter.

2. Prioritizing the protection and restoration of natural wetlands enhances carbon sequestration.

We are losing natural wetlands faster than forests in the environment. According to the Global Center on Climate Adaptation, wetlands disappear three times faster than forests. Earth has lost over a third of its wetlands since 1970. Also, about 83% of the world's wetlands plant and animal species are threatened with extinction.

Losing most of the world's wetlands is an environmental disaster because it contributes to and speeds up climate change. Draining wetlands makes them susceptible to high temperatures, fires, and drought. These extreme weather events on wetlands release carbon emissions into the atmosphere. The effects of climate change on wetlands are terrifying.

Wetlands are biodiversity hotspots, holding up to 40% of the earth's biodiversity species. Wetland wildlife species risk extinction as their habitat becomes next to non-existent. Without wetlands, we remove their significant contribution to greenhouse gas reduction. So, what destroys wetlands and their biodiverse ecosystems?

Human activities like farming, construction, and general human urbanization contribute to the rapid loss of wetlands. Similarly, the coastal wetland is more prone to destruction caused by natural climate events. Extreme weather events could be erosion or rising sea levels. Also, we drain coastal wetlands for agricultural activities. We mostly drain coastal wetlands for aquaculture.

However, converting wetlands does more harm than good. For example, converting mangrove forests to shrimp ponds in Southeast Asia releases over 6 to

14 million tonnes of greenhouse gas emissions yearly. The international world must protect the surviving wetlands and restore the destroyed ones.

Restoring wetlands increases the possibility and potentiality of wetland carbon storage. The more wetlands we restore, the more we increase our chances of fighting climate change.

3. Protecting and restoring wetlands to create effective carbon sinks offers many more benefits.

Wetlands are one of the most productive ecosystems in the environment compared to other ecosystems like rainforests and coral reefs. Wetland restoration has many other benefits besides its potential to reduce climate change. Wetland offers a variety of services for humans and wildlife. These services are:

- Improve water quality
- Provide wildlife habitat
- Improve water supply
- Offer flood protection
- Reduce the damage of storm surges
- Maintain the productivity of the ecosystem

The presence of wetlands improves water quality, reducing the number of polluted water bodies in the environment. Wetlands filter sediments and absorb pollutants in surface waters. The plants growing on wetlands also cleanse the water by removing excess nutrients. This filtering function improves the groundwater quality in some urban areas.

Wetlands are home to many species of living organisms like reptiles, amphibians, birds, and mammals.

Wetlands play an important role in the survival of migratory bird species, as they usually use wetlands as settling spots. For example, sand-hill cranes and wood ducks use marshes in the Southern U.S. during winter. Deer, bears, and elk also use wetlands for food and shelter. In addition, wetlands support fisheries.

Several freshwater and marine aquatic animals depend on wetlands for survival. Aquatic animals like trout, sunfish, crab, shrimp, croaker, striped bass, and oysters use wetlands for shelter, feeding, and breeding activities. Also, wetlands, especially coastal wetlands, offer flood protection to local communities and many species.

Weather and water

Furthermore, wetlands support storm surges and high sea levels by functioning as natural sponges. Wetland soils soak up and trap water, then slowly release surface water, groundwater, snowmelt, rain, and flood waters. In addition, trees, vegetation, and roots slow down the speed of the floodwaters and distribute them. Slowing down, redistributing, and storing floodwaters helps reduce flood heights and erosion¹.

4. Wetlands can also release carbon into the atmosphere.

Although wetlands are important in slowing our changing climate, they can also largely contribute. The destruction caused by the loss and drainage of wetlands releases high quantities of carbon emissions.

Draining a wetland gives way for oxygen to reach flooded organic matter. This oxidizing interaction produces tons of carbon dioxide. Wetland drainage is also dangerous because of the potential disturbance of acid-sulfate soils. Once exposed to air, these soils release large amounts of greenhouse gas emissions.

A study on Australian melaleuca and mangrove wetlands showed that drainage turns them from carbon sinks to carbon emitters.

Conclusion As individuals, the facts mentioned in this article give us every reason to protect wetlands. The effects of climate change are damaging to the environment at large, and wetlands are highly susceptible to its effects. However, they also have a great potential to reduce and restore the climate conditions to a better state.



OFFICE OF THE PRINCIPAL

Mobile : 9437376724

PATTAMUNDAI COLLEGE

NAAC ACCREDITED B GRADE

PATTAMUNDAI, KENDRAPARA, ODISHA - 754215

Ref. No. : 1141

Date..... 27/09/2023

To

Mr. Muktipada Panda,
Asst. professor,
Dept. of Botany,
Banki Autonomous College, Banki.

Sub – Request to act as resource person in departmental seminar.

Sir,

I am pleased to request you to deliver a seminar talk on the topic "*Role of Coastal Wetlands in Mitigating Climate Change*" to be organized by Department of Botany, Pattamundai College, Pattamundai at 10.00 am on 29th Sept. 2023.

Your kind consent in this regard is highly solicited.

Your's faithfully

Sd/- 27/09/23
Principal
Pattamundai College
Principal
Pattamundai College

From: Mr. Muktipada Panda, Asst. Professor, Banki Autonomous College
Banki.

Sub:- Consent to act as Resource person in a seminar of Pattamundal College on 29th Sep 2023.

Sir,

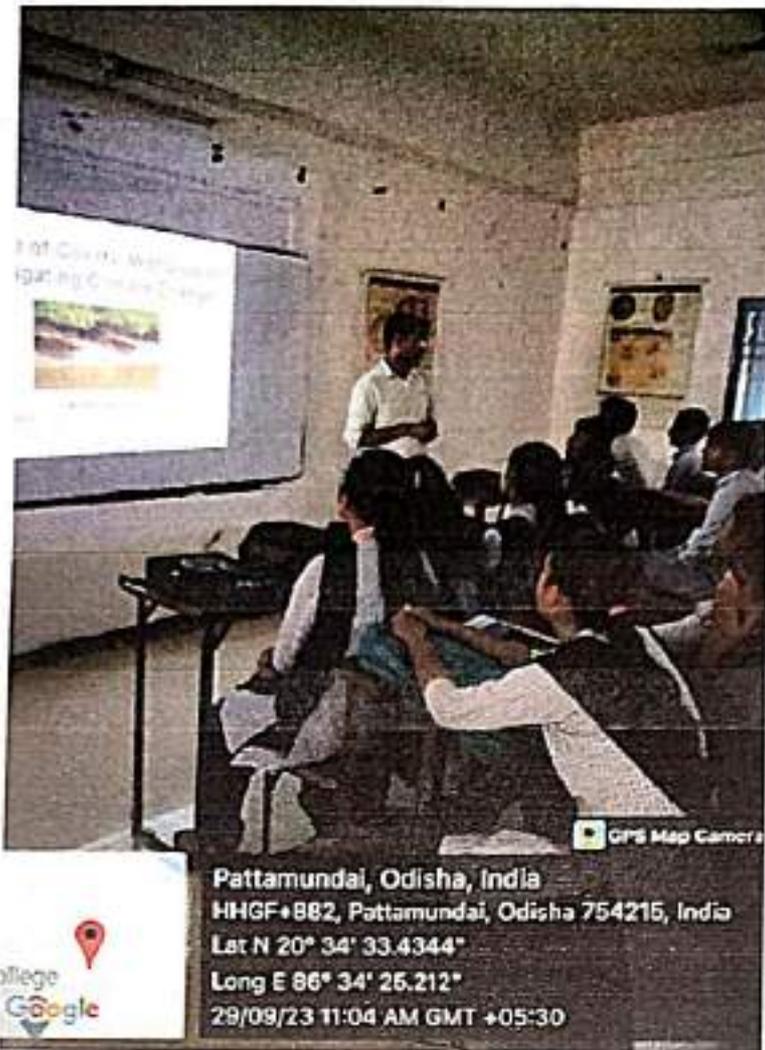
With reference to letter No.1141 dated 27.09.23, I am happy to inform you that I will be the Resource person in a seminar on 29th Sept. 2023 which is going to be organized by the Department of Botany of your institution.

Waiting to meet you.

With Regards

Muktipada Panda
Mr. Muktipada Panda
Asst. Professor, Banki Auto. College
Banki





Pattamundai, Odisha, India
HHGF+882, Pattamundai, Odisha 754215, India
Lat N 20° 34' 33.4344"
Long E 86° 34' 25.212"
29/09/23 11:04 AM GMT +05:30

GPS Map Camera



Pattamundai, Odisha, India
HHGF+882, Pattamundai, Odisha 754215, India
Lat N 20° 34' 33.3264"
Long E 86° 34' 25.068"
29/09/23 12:41 PM GMT +05:30

GPS Map Camera

Seminar Topic - ROLE OF COASTAL WETLANDS IN MITIGATING CLIMATE CHANGE
Attendance sheet of Students

Sl No	Name	Class	Roll No.	Contact No.
01	Sandhya kani Rout	+3 3rd Yr. Science	BSC(B)21-011	6371381799
02	Ananya P. Mishra	+3 3rd year	BSC(B)21-028	9692492866
03	Subhalaxmi Das	+3 3rd yr	BSC(B)21-014	6371191978
04	Pratipranjya Khatua.	+3 3rd yr	BSC(B)21-030	8249530320
05	Indekarsola Jena	+3 3rd yr	BSC(B)21-028	7327016579
06	Debasis Das	+3 3rd yr	BSC(B)21-023	7735273483
07	Swagatika Sahoo	+3 2nd yr	BSC(B)22-048	7449070954
08	Subhashree Swain.	+3 2nd yr	BSC(B)22-050	7749013051
09	Pratigna Akasini Panda	+3 2nd yr	BSC(B)22-033	7847875648
10	Subhashree Swain	+3 2nd yr	BSC(B)22-036	9938913701
11	Anisha Biswal	+3 2nd yr	BSC(B)22-027	8144136897
12	Nilanjana	+3 2nd yr	BSC(B)22-022	7846887929
13	Puja Prayadarhini Kar	+3 2nd yr	BSC(B)22-024	7847947409
14	Anshuman Sahoo	+3 2nd yr	BSC(B)22-013	6371645180
15	Suchismita Sahoo	+3 1st yr	BSC(B)23-014	8260069541
16	Amritha Jena	+3 1st yr.	BSC(B)23-025	9178170913
17	Jotirmayee Sutar	+3 1st yr	BSC(B)23-022	8249970176
18	Sannistha Pathibery	+3 1st yr	BSC(B)23-024	9348732260
19	Anushree Nayak	+3 1st yr.	BSC(B)23-34	9861994204
20	Swarnalata Sutar	+3 1st yr	BSC(B)23-007	8117047270
21	Sonali Nayak	+3 1st yr	BSC(B)23-029	9008968183
22	Soubhagya Nayak	+3 1st yr	BSC(B)23-02	8765082443
23	Akshaya Nayak	+3 1st yr	BSC(B)23-02	9040327302
24	Rudra Prakash Mahanty	+3 1st yr	BSC(B)23-19	7608024382
25	Subhanshu Das	+3 1st yr	BSC(B)23-33	7077228376
26	Subham Kumar Paradhan	+3, 3rd year	BSC(B)21-32	78410808
27	Debasis Tarai	+3 3rd yr	BSC(B)21-12	7978068738
28	Aparani Kumar Samal	+3 3rd yr	BSC(B)21-007	9348990641
29	Anupama Malik	+3 3rd yr	BSC(B)21-008	9692648066

