

# DEPARTMENTAL REPORTS

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## DEPARTMENT OF GEOGRAPHY

LAKHIMPUR TELAHI KAMALABORIA COLLEGE,  
AZAD

LAKHIMPUR, ASSAM

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**1. Programme Offered:** Under-Graduate

**2. Student Capability Enhancement Programme (Add-on):** Disaster Management.

**3. Achievements:**

**a. Academic-** 1<sup>st</sup> batch with honours passed in the year- 2020 and 100% 1<sup>st</sup> Class.

2<sup>nd</sup> batch passed in the year 2021 with 100% 1<sup>st</sup> Class, Three students got admission in P.G.

**b. Co-curricular and Extra Curriculam-**

- Samiran Bora won many prizes in athletics in the year 2018.
- In the year 2019 students of Geography Dept. stood 2<sup>nd</sup> Position in cultural procession.
- Kabita Das won 1<sup>st</sup> prize in Miss L.T.K College in the year 2020.
- Geography Dept won 1<sup>st</sup> prize in Inter-Departmental Cricket Competition in the year 2020.
- Russia Doley won 1<sup>st</sup> prize in Long Jump.
- Samiran Borah won many prizes in Athletics in the year 2020.
- Dipika Kalita won Runner's up prize in Miss L.T.K. College.
- Madhab Das won 1<sup>st</sup> prize in 'Go as You Like' competition in the year 2022.

**c. Placement:** Self Employment and employed in private sector.

#### 4. Seminar/Conference/Workshops Organised (Year wise from 2016-17-2022):

- **2016-17:-** Departmental Seminar on *“Pollution and its impact on Human Health”*.
- **2017-18:-** Departmental Seminar on *“Composition and Structure on Atmosphere”*
- **2018-19:-** Departmental Seminar on *“Soil Erosion and Conservation”*
- **2019-20:-** Departmental Seminar on *“South East Asia: History, Modernity and Religious Change”*
- **2020-21:-** Departmental Seminar on *“Climate Change & Atmospheric Pressure Belt”*

#### 7. Research Project:

- **2016-17:-** *A Project on Tourism of Shillong & Guwahati*
- **2018-19:-** *A Case Study of Socio-Economic Survey of Athakotia Goan-Lakhimpur District.*
- **2019-20:-** *A Case Study of Socio-Cultural Survey of Rampur Rangajan Village.*
- **2020-21:-** *A Project on Industrial Geography (Ananda Tea Estate)*  
*A Case Study of Socio-Cultural Survey of Satajan Bird Sanctuary & Ujjani Miri Village.*
- **2021-22:-** *A project on Mask Making of Samuguri Satra, Majuli*

**NOTE:** All the Research Projects were done along with the students.

#### 8. Syllabus:

**Non – CBCS:**

##### 1. GGRM – 101: Introduction to Geography

**2016 – 2017**

- a. Diganta Kr. Saikai**
- b. Champa Tamuli**

**Objective:** This introductory course is intended to acquaint the students with distinctiveness of Geography as a field of learning in Social Science as well as in Natural Science. The philosophy and methodology develop a keen interest in the subject and pursue it for higher studies.

Unit – I: Introduction

Unit – II: Geography – Major themes and sub-themes

Unit – III: Perspective in Geography

Unit – IV: Introduction to Geomorphology

## **2. GGRM – 201: Geomorphology, Biogeography and Oceanography**

Unit – I: Theories in Geomorphology

Unit – II: Geomorphic Process

Unit – III: Biogeography

Unit – IV: Oceanography

## **3. GGRM – 301: Climatology**

**2017– 2018**

**1. Diganta Kr. Saikia**

**2. Chapma Tamuli**

**3. Bishmitha Mili**

**Objective:** This paper is structured with the components of climatology. The basic objective of this course is to acquaint the students with the different aspects of climate. The course contents lead to the identification of climatic differences on the earth and consequences of human activities on the atmospheric processes.

Unit – I: Atmosphere

Unit – II: Humidity and Precipitation

Unit – III: Classification of climates

#### **4. GGRM – 302: Practical**

**Objective:** This paper is designed to acquaint the students with the topographic study and representation of climatic data and their analyses.

Unit – I: Toposheet study and profile drawing

Unit – II: Climatic data study

Unit – III: Practical notebook and Viva-voce

#### **5. GGRM – 303: Environmental Geography and Economic Geography (Part–I)**

**Objective:** This paper is structured to acquaint the students with the various aspects of Environmental Geography, Ecology and Ecosystem as well as to acquaint the students with the various sectors of economy and the importance and spatial distribution of resources.

Unit – I: Environmental Geography

Unit – II: Ecology and Ecosystem

Unit – III: Geography of Resources

#### **6. GGRM – 401: Human Geography**

**Objective:** This introductory paper is intended to acquaint the students with distinctiveness of Geography as a field of learning in Social Sciences as well as in natural science. The philosophy and methodology of the subject is discussed in such a way that the students develop a keen interest in the subject and pursue it for higher studies.

Unit – I: Human Geography

Unit – II: Pattern of Human Adaptation

Unit – III: Population Growth and Distribution, Population regions and policies

#### **7. GGRM – 402: Practical**

**Objective:** This paper is designed to acquaint the student with the use of different cartographic methods to represent different population data and their analysis, and procedure of construction of map projections.

Unit – I: Population data study

Unit – II: Map Projections

Unit – III: Practical note book and Viva-voce

### **8. GGRM – 403: Economic Geography**

**Objective:** The objectives of this course are to acquaint the students with the various aspects of industrial, agricultural and transport geography.

Unit – I: Industrial Geography

Unit – II: Agricultural Geography

Unit – III: Transport Geography

### **9. GGRM – 404: Practical**

Unit – I: Fundamental of Surveying

Unit - II: Excursion Report

Unit – III: Practical note book and viva-voce

### **10. GGRM – 501: Regional Geography of India (Part – I)**

**2018-2019**

**1. Diganta Kr. Saikia**

**2. Chapma Tamuli**

**3. Udipta Saikia**

**4. Korobi Saikia**

**Objective:** The basic objective of this course is to give a comprehensive idea about the various geographical aspects of India and NE India including geology, physiography, climate, soil, vegetation and mineral and power resources.

Unit – I: Physical Geography of India

Unit – II: Mineral and Power Resources

Unit – III: Physical Geography of NE India

### **11. GGRM – 502: Map Projections and Cartograms (Practical)**

**Objective:** This paper is designed to acquaint the students with the drawing of conventional map projections and representation of data by using advanced cartographic methods.

Unit – I: Map Projection

Unit – II: Representation of data by using different cartograms

Unit – III: Practical note book and viva-voce

### **12. GGRM – 503: Regional Geography of the World (Part – I)**

**Objective:** The basic objective of this course is to acquaint the students with the geographical aspects of the three continents i.e. Asia, North America and South America

Unit – I: Asia

Unit – II: North America

Unit – III: South America

### **13. GGRM – 504 Thematic Mapping and Hypsometric analysis (Practical)**

**Objective:** This paper is designed to acquaint the students with the construction of thematic maps of India and North East India by using different socio-economic data and comparative study of the maps of pre and post independent India.

Unit – I: Thematic mapping and shape index analysis of India

Unit – II: Thematic mapping of NE India

Unit – III: Practical notebook and viva-voce

### **14. GGRM – 601 Map Projection and Cartographic Method**

1. **Diganta Kr. Saikia**

2. **Chapma Tamuli**

3. **Udipta Saikia**

4. **Korobi Saikia**

**Objaction:** This course is aimed at to familiazed the students with the history of map projections and methods including its development and change through time. Besides this the course is also aimed at to acquaint he students with the basic knowledge of surveying and levelling and modern cartographic methods. These will help the students in their practical studies.

Unit – I: Map Projection

Unit –II: Cartographic Methods

Unit – III: Modern Cartographic Methods.

### **15. GGRM – 602 Surveying (Practical)**

**Objective:** The objective of this course is to develop skills among thee students regarding the surveying by using survey instruments.

Unit – I: Survey

Unit – II: Laboratory Work

### **16. GGRM – 603 Regional Geography of India (Part II)**

**1. Diganta Kr. Saikia**

**2. Chapma Tamuli**

**3. Prarthana Dutta**

**Objective:** the basic objectives of this is to give a comprehensive idea regarding the economy and socio-cultural structure of India and economy o North-East India

Unit – I: Agriculture, Industries and Transport

Unit – II: Socio-cultural Structure

Unit – III: Economy of North East India

### **17. GGRM – 604 Imagery Interpretation (Practical)**

**1. Korobi Saikia**

**Objective:** The objective of this course is to develop skills among the students regarding the use of modern techniques like interpretation and comparison of satellite imagery.

Unit – I: Image Interpretation

Unit – II: Satellite Image Comparisons

### **18. GGRM – 605 Regional Geography of the World (Part II)**

- 1. Diganta Kr. Saikia**
- 2. Chapma Tamuli**
- 3. Prarthana Dutta**

**Objective:** The basic objective of this course is to acquaint the students with the geographical aspects of the three continents i.e. Africa, Australia, New Zealand and Europe

Unit – I: Africa

Unit – II: Australia and New Zealand

Unit – III: Europe

### **19. GGRM – 606 Pattern Analysis (Practical)**

- 1. Chapma Tamuli**
- 2. Prarthana Dutta**

Unit – I: Statistical Data representation Part I

Unit – II: Statistical Data representation Part II

### **20. GGRM – 607 Geographical Thoughts and Quantitative methods**

- 1. Diganta Kr. Saikia**
- 2. Chapma Tamuli**
- 3. Korobi Saikia**
- 4. Prarthana Dutta**

**Objective:** The objectives of this course is to acquaint the students with the history of geographical thought through the course of time and contemporary quantitative methods and techniques used in geography in today's context.

Unit – I: Geographic Thought

Unit – II: Quantitative methods

### **21. GGRM – 608 Practical**

- 1. Diganta Kr. Saikia**
- 2. Chapma Tamuli**
- 3. Korobi Saikia**
- 4. Prarthana Dutta**

**Objective:** the objective of this course is to develop skills among the students regarding the use of modern statistical techniques like hypsometric and bathymetric curves and their analysis and project report writing.

**Unit – I:** Hypsometric analysis

**Unit – II:** Project Report.

**CBCS:**

**1. COURSE C1**

**GGRM 101T4: GEOMORPHOLOGY AND BIO GEOGRAPHY**

**2019-2020**

- 1. Diganta Kr. Saikia**
- 2. Chapma Tamuli**
- 3. Korobi Saikia**

**Objective:** The main objective of this paper is to make the students comprehend the various processes responsible for the development of diverse landforms on the earth surface. The candidate will also learn how the natural surrounding and human activities are responsible for the distribution of plants and animals.

**Units:**

- 1: Geomorphology: Nature and Scope.
- 2: Earth: Interior Structure and Isostasy.
3. Earth Movements: Plate Tectonics, Types of Folds and Faults, Earthquakes and Volcanoes.
4. Geomorphic Processes: Weathering, Mass Wasting, Cycle of Erosion (Davis and Penck).
5. Evolution of Landforms (Erosional and Depositional): Fluvial, Karst, Aeolian, Glacial, and Coastal.
6. Definition, scope and significance of Bio Geography
7. World distribution of plants and its relation to soil, climate and human activities

8. World distribution of animals and its relation with vegetation, climate and Human activities

9. Soil – soil forming processes, classification and distribution of soil, soil horizon and profile, soil erosion and conservation. Importance of soil, major soil types of India and Assam

### **COURSE C1**

#### **GGRM 101P2: GEOMORPHIC TECHNIQUES (PRACTICAL)**

**1. Korobi Saikia**

**2. Prarthana Dutta**

**Objective:** The main objective of this paper is to make the students understand the various morphometric techniques used in drainage analysis. The students will also about the various slope analysis techniques and uses of different types of scale.

#### **Units:**

1. Cartography – Nature and Scope.
2. Scales – Concept and application; Graphical Construction of Plain, Comparative and Diagonal
3. Topographical Map – Interpretation of a Mountain area with the help of Cross and Longitudinal Profiles.
4. Morphometric Analysis: Drainage ordering, basin area demarcation, drainage density, Bifurcation ratio.
5. Slope Analysis – Wentworth's method and Smith's Method.

### **Course C2**

#### **GGRM 102T4 CLIMATOLOGY (Theory)**

**1. Chapma Tamuli**

**2. Prarthana Dutta**

**Objective:** The main objective of this paper is to make the students aware of the composition of atmosphere and various climatic processes. The students will also learn about various factors responsible for the climatic disturbances.

**Units:**

1. Atmospheric Composition and Structure – Variation with Altitude, Latitude and Season.
2. Insolation and Temperature – Factors and Distribution, Heat Budget, Temperature Inversion.
3. Atmospheric Pressure and Winds – Planetary Winds, Forces affecting Winds, General Circulation, Jet Streams.
4. Atmospheric Moisture – Evaporation, Humidity, Condensation, Fog and Clouds, Precipitation Types, Stability and Instability; Climatic Regions (Koppen)
5. Cyclones – Tropical Cyclones, Extra Tropical Cyclones, Monsoon - Origin and Mechanism

**Course C2**

**GGRM 102P2: PRACTICALS BASED ON CLIMATIC DATA**

1. **Chapma Tamuli**
2. **Prarthana Dutta**

**Objective:** The main objective of this paper is to make the students gain knowledge of the various weather symbols and to prepare graphs based on climatic data. The students will also find out the variability in the distribution of rainfall and the factors responsible for such variation in the pattern of rainfall.

**Units:**

1. Study of weather symbols
2. Indian daily weather map interpretation for the summer and winter seasons.

3. Representation of climatic data:
  - (a) Preparation of Climograph, Hythergraph and Ergograph and their interpretation
  - (b) Preparation of rainfall variability map of Assam

### **Course C3**

#### **GGRM201T6: HUMAN GEOGRAPHY (Theory)**

- 1. Diganta Kr. Saikia**
- 2. Chapma Tamuli**
- 3. Korobi Saikia**

**Objective:** The objective of this paper is to introduce the major themes of human geography and its importance in present days. The students will also learn about population growth and factors responsible for uneven distribution of population in the world. The student will also gain knowledge about the population resource relationship and various types of settlement pattern.

#### **Units:**

1. Introduction: Defining Human Geography; Major Themes; Contemporary Relevance
2. Space and Society: Cultural Regions; Race; Religion and Language
3. Population: Population Growth and Distribution; Population Composition; Demographic Transition Theory
4. Settlements: Types of Rural Settlements; Classification of Urban Settlements; Trends and Patterns of World Urbanization
5. Population-Resource Relationship

## **Course C4**

### **GGRM 202T4: GEOGRAPHY OF INDIA (Theory)**

- 1. Chapma Tamuli**
- 2. Prarthana Dutta**
- 3. Pranamee Gogoi**

**Objective:** The objective of this paper is to make the students familiar with the various aspects of India. The students will learn about the physical, anthropogenic and economic diversity of India and the factors responsible for such diversities.

#### **Units:**

1. Physical: Physiographic Divisions, soil and vegetation, climate (characteristics and classification)
2. Population: Distribution and growth, Structure; Social: Distribution of population by race, caste, religion, language, tribes and their correlates
3. Economic: Mineral and power resources distribution and utilisation of iron ore, coal, petroleum, gas; agricultural production and distribution of rice and wheat, industrial development : automobile and Information technology
4. Physical Geography of North East India.
5. Resource- agriculture, mineral, forest and Industries of Assam.

## **Course C4**

### **GGRM 202P2: PRACTICAL ON THEMATIC CARTOGRAPHY**

- 1. Chapma Tamuli**
- 2. Prarthana Dutta**
- 3. Pranamee Gogoi**

**Objective:** The main objective of this paper is to make the students aware of the various application of thematic mapping and shape index analysis.

#### **Unit – I Thematic mapping and shape index analysis of India**

1. Preparation of maps showing geographical themes – minerals, forest, agriculture etc.

2. Shape index analysis – comparison of shapes of Pre and Post Independent India

**Unit – II Thematic mapping of NE India**

1. Preparation of maps showing geographical themes – soil, industries, population minerals, forest, agriculture etc

**Unit- III Age- sex pyramid**

1. Develop and developing countries.

**Course C5**

**GGRM 301T4: CARTOGRAPHY (Theory)**

**1. Diganta Kr. Saikia**

**2. Chapma Tamuli**

**3. Korobi Saikia**

Objective: The main objective of this paper is to make the students aware about the history of map projection and uses of different types of map projection. An attempt is also made to enlighten the students about the various surveying methods and the instrument used in it.

**Units:**

1. History of development of map projections, classification and use of different types of map projections, Choice of map projection

2. Basic principles of surveying and their necessity in Geography: Vertical and horizontal controls

3. Surveying and leveling:

i) Plane table surveying – different methods

ii) Prismatic compass surveying – closed and open traverse, calculation of included angles, correction of bearing, omitted measurement

iii) Theodolite traversing – measurement of heights

iv) Leveling – different types

**C5**

**GGRM 302P2: CARTOGRAPHIC TECHNIQUES (PRACTICAL)**

- 1. Diganta Kr. Saikia**
- 2. Chapma Tamuli**
- 3. Korobi Saikia**

**Objective:** The main objective of this paper is to enlighten the students with the different types of map projection and its uses.

**Units:**

Projection: Conical One Standard, Bonne's and Polyconic Cylindrical; Equal Area, Equidistant, Galls Stereography and Mercator projection.

**Course C6**

**GGRM302T6: REGIONAL GEOGRAPHY OF WORLD (Theory)**

- 1. Diganta Kr. Saikia**
- 2. Chapma Tamuli**
- 3. Prarthana Dutta**

**Objective:** The main objective of this course to develop understanding of the learner about climate, soil and topography in different continents of the world. the course also familiarize learner with industrialization and population distribution in developed, developing and underdeveloped nations of the world.

**Units:**

1. Physiography, climate, soil and vegetation of Asia, Africa, Europe, North America
2. Mineral resources and industrial development of the developed, developing and the underdeveloped countries
3. Distribution of population of World

4. Regional studies of Middle East and South East Asia and the Mediterranean region

**Course C7**

**GGRM 303T6: STATISTICAL METHODS IN GEOGRAPHY (Theory)**

- 1. Diganta Kr. Saikia**
- 2. Chapma Tamuli**
- 3. Prarthana Dutta**

**Objective:** The main objective of this paper is to make the students aware about the various statistical techniques used in geographical study.

**Units:**

1. Use of Data in Geography: Geographical Data Matrix, Significance of Statistical Methods in Geography; Sources of Data, Scales of Measurement (Nominal, Ordinal, Interval, Ratio)
2. Tabulation and Descriptive Statistics: Frequencies (Deciles, Quartiles), Cross Tabulation, Central Tendency (Mean, Median and Mode, Centro-graphic Techniques, Dispersion (Standard Deviation, Variance and Coefficient of Variation).
3. Sampling: Purposive, Random, Systematic and Stratified.
4. Theoretical Distribution: Probability and Normal Distribution
5. Association and Correlation: Rank Correlation, Product Moment Correlation, and Simple Regression, Residuals from regression

**Course C8**

**GGRM401T6: ECONOMIC GEOGRAPHY (Theory)**

- 1. Chapma Tamuli**
- 2. Prarthana Dutta**

**Objective:** The goal of this course is to enhance the learner with the basic ideas of primary, secondary and tertiary activities and its spatio-temporal pattern. The learners

will also acquire the knowledge of some economic development models in relation to agriculture and industry.

**Units:**

1. Introduction: Concept and classification of economic activity
2. Factors Affecting location of Economic Activity with special reference to Agriculture (Von Thunen theory), Industry (Weber's theory).
3. Primary Activities: Subsistence and Commercial agriculture, forestry, fishing and mining.
4. Secondary Activities: Manufacturing (Cotton Textile, Iron and Steel), Concept of Manufacturing Regions, Special Economic Zones and Technology Parks.
5. Tertiary Activities: Transport, Trade and Services.

**Course C 9**

**GGRM402T6: ENVIRONMENTAL GEOGRAPHY (Theory)**

1. Diganta Kr. Saikia
2. Chapma Tamuli

**Objective:** The objective of this course is to develop conceptual and theoretical ideas of environment as well as relationship between man and environment in different geo climatic regions. The learners will also attain the nature and intensity of some burning environmental issues at local, regional and global level along with mitigation programs and policies.

**Units:**

1. Environmental Geography – Concept and Scope
2. Human-Environment Relationships – Historical Progression, Adaptation in different Biomes.
3. Ecosystem – Concept, Structure and Functions
4. Environmental Problems in Tropical, Temperate and Polar Ecosystems
5. Environmental Programmes and Policies – Global, National and Local levels

## **Course C10**

### **GGRM403T4: REMOTE SESING AND GIS (Theory)**

- 1. Korobi Sakia**
- 2. Pranamee Gogoi**

**Objective:** The goal of this course is to enhance of the ability of the learners in the field of latest satellite-based technology and data source such as remote sensing.

#### **Unit:**

1. Historical Development of remote sensing as a technology-Relevance of remote sensing in Geography.
2. Concept and basics: Energy source, energy and radiation principles
3. Energy interactions in the atmosphere and earth surface features.
4. Remote sensing systems: platforms, sensors and radiations records

## **Course C10**

### **GGRM403P2: REMOTE SENSING AND GIS (PRACTICAL)**

- 1. Korobi Sakia**
- 2. Pranamee Gogoi**

**Objective:** The objective of the course is to develop some practical knowledge and skills in diversified applications of remote sensing data and technology.

#### **Units:**

1. Remote Sensing and GIS: Definition and Components, Development, Platforms and Types
2. Aerial Photography and Satellite Remote Sensing: Principles, Types and Geometry of Aerial Photograph; Principles of Remote Sensing, EMR Interaction with Atmosphere and Earth Surface; Satellites (Landsat and IRS) and Sensors.
3. GIS Data Structures: Types (spatial and Non-spatial), Raster and Vector Data Structure

4. Image Processing (Digital and Manual) and Data Analysis: Pre-processing (Radiometric and Geometric Correction), Enhancement (Filtering); Classification (Supervised and Un-supervised), Geo-Referencing; Editing and Output; Overlays
5. Interpretation and Application of Remote Sensing and GIS: Land use/ Land Cover, Urban Sprawl Analysis; Forests Monitoring

### **Course C11**

#### **GGRM 501T4: REGIONAL PLANNING AND DEVELOPMENT (Theory)**

**1. Diganta Kr. Saikia**

**2. Korobi Sakia**

**Objective:** The objective of the paper is to improve the understanding of learners about Region, regionalization, regional planning and development. It will also incorporate models associated with economic growth and development.

#### **Units:**

1. Definition of Region, Evolution and Types of Regional planning: Formal, Functional, and Planning Regions and Regional Planning; Need for Regional Planning; Types of regional Planning.
2. Choice of a Region for Planning: Characteristics of an Ideal Planning Region; Delineation of Planning Region; Regionalization of India for Planning (Agro Ecological Zones)
3. Theories and Models for Regional Planning: Growth Pole Model of Perroux; Growth Centre Model in Indian Context; Myrdal, Hirschman, Rostow and Friedmann; Village Cluster
4. Changing Concept of Development, Concept of underdevelopment; Efficiency-Equity Debate
5. Measuring development: Indicators (Economic, Social and Environmental); Human development

## **Course C11**

### **GGRM 501P2: REGIONAL PLANNING AND DEVELOPMENT**

**(Practical)**

- 1. Diganta Kr. Saikia**
- 2. Champa Tamuli**

**Objective:** The basic objective of the course is to enhance the learner in the field of demarcation and distribution of resources.

#### **Units:**

1. Methods of regionalization:
  - a) Simple ranking method
  - b) Mean method
  - c) Z- Score standardization.
2. Resource disparity map:
  - a) Power resource (Hydel, Thermal, Nuclear)
  - b) Mineral resources (coal, iron ore)

## **Course C12**

### **GGRM502T4: POPULATION GEOGRAPHY (Theory)**

- 1. Chapma Tamuli**
- 2. Prarthana Dutta**

**Objective:** The objective of this course is to enhance the learner with the basic ideas of population size, composition, growth and distribution along with its determinants. The course will also incorporate contemporary issues of population.

#### **Units:**

1. Defining the Field – Nature and Scope; Sources of Data with special reference to India (Census, Vital Statistics and NSS).

2. Population Size, Distribution and Growth – Determinants and Patterns; Theories of Growth –Malthusian Theory and Demographic Transition Theory. Population Dynamics: Fertility, Mortality and Migration – Measures, Determinants and Implications.
3. Population Composition and Characteristics – Age-Sex Composition; Rural and Urban Composition; Literacy.
4. Contemporary Issues – Ageing of Population; Declining Sex Ratio; HIV/AIDS.

### **Course C12**

### **GGRM 502P2: POPULATION GEOGRAPHY (Practical)**

1. Chapma Tamuli
2. Prarthana Dutta

**Objective:** The main objective of the course is to develop the cartographic ideas for the representation of major Demographic data.

#### **Units:**

#### **1. Statistical Data representation Part I**

- a) Near neighbour analysis
- b) Principle component analysis – Water, Fisher and Nelson
- c) Traffic flow and isochronic cartograms

#### **2. Statistical Data representation Part II**

- a) Location quotient analysis
- b) Lorenz curve

#### **3. Distribution of population**

- a) India, Assam (by simple dot method)

#### **4. Density of population**

- a) India and Assam (choropleth method)

## **DSE 1 (6 C)**

### **GGRM DSE501AT6: SETTLEMENT GEOGRAPHY**

- 1. Diganta Kr. Saikia**
- 2. Champa Tamuli**
- 3. Prarthana Dutta**

**Objective:** The objective of this course is to develop understanding of the learner about the concept, types and the classification of settlements. The course also familiarizes learners with the basic theories of market center and settlement evolution.

#### **Units:**

- c. Settlement: Concept, classification, distribution and the changing relationship with the environment.
- d. Rural settlement: evolution, site and situational factors and patterns and types.
- e. Urban settlement: growth, functional classification of Towns.
- f. Hierarchy of settlement.
- g. Christaller's and August Losch Theory of Market Center

## **DSE 2 (6 C)**

### **GGRM DSE502BT6: AGRICULTURAL GEOGRAPHY**

- 1. Diganta Kr. Saikia**
- 2. Champa Tamuli**
- 3. Prarthana Dutta**

**Objective:** The objective of this course to enhance the concept of agricultural activities, its determinants and types under different geo- environmental condition of the world. The course also introduces learners with some Land use and cropping intensity models.

#### **Units:**

1. Defining the Field: Introduction, nature and scope; Land use/ land cover definition and classification
2. Determinants of Agriculture: Physical, Technological and Institutional

3. Agricultural Regions of India: Agro-climatic, Agro-ecological & Crop Combination Regions.
4. Agricultural Systems of the World (Whittlesey's classification) and Agricultural Land use model (Von Thuenen, modification and relevance).
5. Agricultural Revolutions in India: Green, White, Blue, Pink.

### **Course C 13**

#### **GGRM601T6: EVOLUTION OF GEOGRAPHICAL THOUGHT (Theory)**

1. Prarthana Dutta
2. Pranamee Gogoi

**Objective:** The objective of the course is familiarizing the learner towards the development of geographic ideas during the era of ancient, pre-modern and modern period. The course will also enlighten the learners with the contemporary issues and approaches of development of the discipline.

#### **Units:**

1. Paradigms in Geography
2. Pre-Modern – Early Origins of Geographical Thinking with reference to the Classical and Medieval Philosophies.
3. Modern – Evolution of Geographical Thinking and Disciplinary Trends in Germany, France, Britain, United States of America.
4. Debates – Environmental Determinism and Possibilism, Systematic and Regional, Ideographic and Nomeothetic.
5. Trends – Quantitative Revolution and its Impact, Behaviouralism, Systems Approach, Radicalism, Feminism; Towards Post Modernism – Changing Concept of Space in Geography, Future of Geography.

### **Course C14**

#### **GGRM602T6: DISASTER MANAGEMENT BASED PROJECT WORK**

1. Diganta Kr. Saikia

- 2. Champa Tamuli**
- 3. Prarthana Dutta**
- 4. Pranamee Gogoi**

**Objective:** The main objective of the field work is to conduct an extensive survey over an area to evaluate the nature, intensity, frequency and impact of a Hazard/ disaster and suggesting possible mitigation measures.

**Units:**

Unit –I: Disaster Management based Project work (Practical)

Unit- II: Field Survey

**DSE 3 (6 C)**

**GGRM DSE 601AT6: GEOGRAPHY OF HEALTH AND WELLBEING**

- 1. Diganta Kr. Saikia**
- 2. Champa Tamuli**

**Objective:** The objective of the course to conceptualize learner in the field of health and well-being, relationship between human activities, health and environment. The course also covers broad aspects of pollution, climate change and health issues in different parts of the world.

**Units:**

- h. Perspectives on Health: Definition; linkages with environment, development and health; driving forces in health and environmental trends - population dynamics, urbanization, poverty and inequality.
- i. Pressure on Environmental Quality and Health: Human activities and environmental pressure land use and agricultural development; industrialisation; transport and energy.
- j. Exposure and Health Risks: Air pollution; household wastes; water; housing; workplace.

- k. Health and Disease Pattern in Environmental Context with special reference to India, Types of Diseases and their regional pattern (Communicable and Lifestyle related diseases).
- l. Climate Change and Human Health: Changes in climate system – heat and cold; Biological disease agents; food production and nutrition.

**DSE 4 (6 C)**

**GGRM DSE 602AT6: HYDROLOGY AND OCEANOGRAPHY**

- 1. Diganta Kr. Saikia**
- 2. Champa Tamuli**
- 3. Pranamee Gogoi**

**Objective:** The main objective of this course is to enhance the students about the concept and components of hydrological cycle and its intervention by anthropogenic activities. The course also incorporates bottom configuration and ocean dynamics along with physical and chemical properties of ocean sea water.

**Units:**

1. Hydrological Cycle: Systems approach in hydrology, human impact on the hydrological cycle; Precipitation, interception, evaporation, evapo-transpiration, infiltration, ground-water, run off and over land flow; Hydrological input and output.
2. River Basin and Problems of Regional Hydrology: Characteristics of river basins, basin surface run-off, measurement of river discharge; floods and droughts
3. Ocean Floor Topography and Oceanic Movements – Waves, Currents and Tides.
4. Ocean Salinity and Temperature – Distribution and Determinants.
5. Coral Reefs and Marine Deposits and Ocean Resources: Types and Theories of Origin; Biotic, Mineral.

## 10. Time Table:

Time/Date	9:00 – 10:00	10:00 – 11:00	11:00-12:00	12:00-12:45	12:45-1:30	1:30-2:15	2:15-3:30
<b>Monday</b>	BA 2 <sup>nd</sup> Sem(H)-106 BA 4 <sup>th</sup> Sem(H)- Dept	HS 2 <sup>nd</sup> Year- 108 BA 6 <sup>th</sup> Sem- Dept BA 2 <sup>nd</sup> Sem(GE)-106 BA 4 <sup>th</sup> Sem (GE)-107	BA 6 <sup>th</sup> Sem- Dept	BA 2 <sup>nd</sup> Sem(H)-106	BA 4 <sup>th</sup> Sem(H)- Dept BA 6 <sup>th</sup> Sem- 106	BA 6 <sup>th</sup> Sem-Dept	BA 4 <sup>th</sup> Sem (H)- 106
<b>Tuesday</b>	BA 2 <sup>nd</sup> Sem(H)-106 BA 4 <sup>th</sup> Sem(H)- Dept	BA 2 <sup>nd</sup> Sem(GE)-111 BA 4 <sup>th</sup> Sem(GE)-106 BA 6 <sup>th</sup> Sem- Dept	BA 4 <sup>th</sup> Sem(H)- Dept	BA 2 <sup>nd</sup> Sem(H)-108 BA 6 <sup>th</sup> Sem- Dept	BA 4 <sup>th</sup> Sem(H)- Dept	HS 2 <sup>nd</sup> Year-108 BA 6 <sup>th</sup> Sem- Dept	BA 6 <sup>th</sup> Sem-Dept
<b>Wednesday</b>	BA 2 <sup>nd</sup> Sem(H)- Dept BA 3 <sup>rd</sup> Sem(H)-106	HS 2 <sup>nd</sup> Year- 107 BA 2 <sup>nd</sup> Sem(GE)-106 BA 6 <sup>th</sup> Sem- Dept	BA 4 <sup>th</sup> Sem(GE)- 106 BA 6 <sup>th</sup> Sem- Dept	BA 2 <sup>nd</sup> Sem(H)- Dept	BA 4 <sup>th</sup> Sem(H)- Dept BA 6 <sup>th</sup> Sem- Hall	BA 6 <sup>th</sup> Sem-Dept	BA 4 <sup>th</sup> Sem(H)- 106
<b>Thursday</b>	BA 2 <sup>nd</sup> Sem(H)- Dept BA 4 <sup>th</sup> Sem(H)-Hall	BA 4 <sup>th</sup> Sem(GE)-106 BA 6 <sup>th</sup> Sem- Dept	BA 2 <sup>nd</sup> Sem(GE)- Hall BA 4 <sup>th</sup> Sem(H)- Dept HS 2 <sup>nd</sup> Year-108	BA 2 <sup>nd</sup> Sem(H)- Dept BA 6 <sup>th</sup> Sem- Hall	BA 4 <sup>th</sup> Sem(H)- Dept	BA 6 <sup>th</sup> Sem-Dept	BA 6 <sup>th</sup> Sem-Dept
<b>Friday</b>	HS 2 <sup>nd</sup> Year- 108 BA 1 <sup>st</sup> Sem(H)- Dept BA 4 <sup>th</sup> Sem(H)-114	BA 2 <sup>nd</sup> Sem(GE)-Hall BA 4 <sup>th</sup> Sem(GE)-106 BA 6 <sup>th</sup> Sem- Dept	BA 4 <sup>th</sup> Sem(H)- Dept	BA 2 <sup>nd</sup> Sem(H)-106 BA 6 <sup>th</sup> Sem- Dept	BA 4 <sup>th</sup> Sem(H)- Dept	BA 6 <sup>th</sup> Sem-Dept	BA 6 <sup>th</sup> Sem-Dept
<b>Saturday</b>	BA 2 <sup>nd</sup> Sem(H)- Dept BA 3 <sup>rd</sup> Sem(H)- Hall	BA 3 <sup>rd</sup> Sem(GE)-107 BA 6 <sup>th</sup> Sem- Dept	BA 2 <sup>nd</sup> Sem(GE)- Hall BA 4 <sup>th</sup> Sem(H)- Dept	BA 2 <sup>nd</sup> Sem(H)- Dept	BA 4 <sup>th</sup> Sem(H)- Dept BA 6 <sup>th</sup> Sem- 106	BA 6 <sup>th</sup> Sem-Dept	BA 6 <sup>th</sup> Sem-Dept

## 11. Departmental Activities:

- Preparation of Wall Magazine.
- Encouraging students to take part in the C.C & E.C.
- Field Studies.
- Socio-Economic survey.
- Industrial Visit.

- Learning about ethnic groups.
- Socio-Cultural Visit.

## 12. Mentoring (Mentor and Mantee Lists):

- **2017-18 (1<sup>st</sup> Semester Honours)**

Mentor: **Diganta Kr. Saikia**

Mentees: **Champa Tamuli**

Sl. No.	Roll No	Students Name	Mentor/Mentees Name	Suggestion	Remark (Excellent/Good/Average/Poor)
1.	60	Samiran Borah	Champa Tamuli	Improve Your Handwriting	Good
2.	80	Mriganka Hazarika	Champa Tamuli	Attend the classes regularly	Average
3.	135	Asraf Qurashi	Champa Tamuli	Improve your writing skill	Average
4.	138	Romen Borgohain	Champa Tamuli	Improve your writing Skill	Average
5.	143	Bulumoni Sonowal	Diganta Kr. Saikia	Attend the classes regularly	Average
6.	193	Rinku Saikia	Diganta Kr. saikia	Improve your Handwriting	Good
7.	199	Jugma Jyoti Sonowal	Diganta Kr. Saikia	Try to write the answers properly	Good
8.	202	Pankaj Pegu	Diganta Kr. Saikia	Try to write the answers properly	Good
9.	73	Akash Chutia	Diganta Kr. Saikia	Improve your writing Skill	Good

## 2018-19 (1<sup>st</sup> Semester & 3<sup>rd</sup> Semester)

Mentor: **Diganta Kr. Saikia**

**Harij Doley**

Mentees: **Champa Tamuli**

**Bismitha Mili**

1 <sup>st</sup> Semester					
Sl no	Roll no	Students name	Mentor/Mentees Name	Suggestions	Remark (Excellent/Good/Average/Poor)
1.	14	Arup Das	Champa Tamuli	Try to write the answer properly	Good
2.	15	Arvin Bharali	Champa Tamuli	Attend the classes regularly	Good
3.	38	Dibyajyoti Borgohain	Champa Tamuli	Improve your writing skill	Average

4.	54	Ghanakrishna Dutta	Diganta Kr. Saikia	Set a schedule for your study	Good
5.	70	Jadav Borpatra Gohain	Diganta Kr. Saikia	Make notes	Good
6.	80	Kabita Das	Diganta Kr. Saikia	Study more at home	Good
7.	85	Lakhimai Das	Harij Doley	Do Home Assignments at time	Good
8.	148	Raghunath Hazarika	Harij Doley	Improve your writing skills	Good
9.	151	Ramananda Pegu	Harij Doley	Attend the classes regularly	Average
10.	163	Russia Doley	Bismitha Mili	Try to write the answers briefly	Good
11.	181	Samarandra Borgohain	Bismitha Mili	Improve your handwriting	Good
12.	69	Isfaqur Ali	Bismitha Mili	Make Notes	Good

### 3<sup>rd</sup> Semester

Sl no	Roll no	Student name	Mentor/mentees Name	Suggestions	Remark (Excellent/Good/Average/Poor)
1.	60	Samiran Borah	Champa Tamuli	Try Hard	Good
2.	193	Rinku Saikia	Diganta Kr. Saikia	Try Hard	Good
3.	199	Jugma Jyoti Sonowal	Diganta Kr. Saikia	Try Hard	Good
4.	202	Pankaj Pegu	Diganta Kr. Saikia	Try Hard	Good
5.	73	Akash Chutia	Diganta Kr. Saikia	Try Hard	Good

### 2019-20 (1<sup>st</sup> Semester/3<sup>rd</sup> Semester/5<sup>th</sup> Semester)

**Mentor & Mentees: Diganta Kr. Saikia**

**Champa Tamuli**

**Udipta Saikia**

**Korobi K. Saikia**

### 1<sup>st</sup> Semester

Sl no	Roll no	Students Name	Mentor/Mentees	Suggestions	Remark (Excellent/Good/Average/Poor)
1.	18	Dipika Kalita	Champa Tamuli	Study hard	Good
2.	46	Ruhini Dutta	Champa Tamuli	Improve your writing skill	Good
3.	52	Seujpriya Gogoi	Champa Tamuli	Try to make notes	Good
4.	73	Bikash Dutta	Champa Tamuli	Attend classes regularly	Average
5.	74	Nabajit Gogoi	Diganta Kr. Saikia	Attend Classes regularly	Good
6.	103	Surajit Das	Diganta Kr. Saikia	Attend Classes regularly	Good
7.	105	Binud Saikia	Diganta Kr. Saikia	Improve your writing skill	Good
8.	114	Ranjan Medhi	Diganta Kr. Saikia	Make Notes	Good
9.	118	Bornali Dutta	Udipta Saikia	Attend the classes regularly	Good
10.	120	Dhrubajyoti Saikia	Udipta Saikia	Improve Your writing skill	Good
11.	128	Kangkanjyoti Gogoi	Udipta Saikia	Listen Carefully during class	Good
12.	133	Paramjit Konwar	Udipta Saikia	Attend the classes regularly	Average
13.	150	Madhab Das	Korobi K. Saikia	Manage your study space	Good
14.	182	Sushanta Das	Korobi K. Saikia	Set a schedule of study	Good
15.	191	Chinmoy Borgohain	Korobi K. Saikia	Attend the classes regularly	Average

### 3<sup>rd</sup> Semester

Sl No	Roll no	Student Name	Mentor/Mentees	Suggestions	Remark (Excellent/Good/Average/Poor)
1.	14	Arup Das	Champa Tamuli	Study Hard	Good
2.	15	Arbin Bharali	Champa Tamuli	Study Hard	Good

3.	54	Ghanakrishna Dutta	Diganta Kr. Saikia	Study Hard	Good
4.	70	Jadav Borpatragohain	Diganta Kr. Saikia	Study Hard	Good
5.	80	Kabita Das	Diganta Kr. Saikia	Study Hard	Good
6.	85	Lakhimai Das	Udipta Saikia	Study Hard	Good
7.	148	Raghunath Hazarika	Udipta Saikia	Study Hard	Good
8.	151	Ramananda Pegu	Udipta Saikia	Attend the classes regularly	Good

### 5<sup>th</sup> Semester

9.	163	Russia Doley	Korobi K. Saikia	Study Hard	Good
10.	181	Samarandra Borgohain	Korobi K. Saikia	Study Hard	Good
11.	69	Isfaqur Ali	Korobi K. Saikia	Study Hard	Good
Sl no	Roll No	Students Name	Mentor/Mentees Name	Suggestion	Remark (Excellent/Good/Average/Poor)
1.	60	Samiran Borah	Champa Tamuli	Study Hard	Good
6.	193	Rinku Saikia	Diganta Kr. saikia	Study Hard	Good
7.	199	Jugma Jyoti Sonowal	Diganta Kr. Saikia	Study Hard	Good
8.	202	Pankaj Pegu	Diganta Kr. Saikia	Study Hard	Good
9.	73	Akash Chutia	Diganta Kr. Saikia	Study Hard	Good

**2020-21 (1<sup>st</sup> Semester/3<sup>rd</sup> Semester/4<sup>th</sup> Semester)**

**Mentor & Mentees: Champa Tamuli**

**Diganta Kr. Saikia**

**Korobi K. Saikia**

**Prarthana Dutta**

### 1<sup>st</sup> Semester

Sl. No	Roll no	Students Name	Mentor/Mentees	Suggestions	Remark (Excellent/Good/Average/Poor)
1.	37	Manash	Champa Tamuli	Study Hard	Good
2.	42	Manashjyoti Gogoi	Champa Tamuli	Improve your handwriting	Good
3.	56	Bablu Das	Diganta Kr. Saikia	Sign the practical on time	Good
4.	60	Dhrubajyoti Gogoi	Diganta Kr. Saikia	Sign the practical on time	Good
6.	123	Pranab Doley	Korobi K. Saikia	Study hard	Good
7.	159	Tajmol Hussain	Korobi K. Saikia	Improve your writing skills	Good
8.	186	Tapubrat Das	Prarthana Dutta	Be Punctual	Good
9.	150(BSC)	Jitul Saikia	Prarthana Dutta	You have fantastic handwriting, try hard.	Good

### 3<sup>rd</sup> Semester

Sl no	Roll no	Students Name	Mentor/Mentees	Suggestions	Remark (Excellent/Good/Average/Poor)
1.	18	Dipika Kalita	Champa Tamuli	Study hard	Good
2.	46	Ruhini Dutta	Champa Tamuli	Study Hard	Good
3.	52	Seujpriya Gogoi	Champa Tamuli	Study Hard	Good
5.	74	Nabajit Gogoi	Diganta Kr. Saikia	Study Hard	Good

6.	103	Surajit Das	Diganta Kr. Saikia	Study Hard	Good
7.	105	Binud Saikia	Diganta Kr. Saikia	Study Hard	Good
8.	114	Ranjan Medhi	Diganta Kr. Saikia	Study Hard	Good
9.	118	Bornali Dutta	Udipta Saikia	Study Hard	Good
10.	120	Dhrubajyoti Saikia	Udipta Saikia	Study Hard	Good
11.	128	Kangkanjyoti Gogoi	Udipta Saikia	Study Hard	Good
13.	150	Madhab Das	Korobi K. Saikia	Study Hard	Good
14.	182	Sushanta Das	Korobi K. Saikia	Study Hard	Good

### 5<sup>th</sup> Semester

Sl No	Roll no	Student Name	Mentor/Mentees	Suggestions	Remark (Excellent/Good/Average/Poor)
1.	14	Arup Das	Champa Tamuli	Study Hard	Good
2.	15	Arbin Bharali	Champa Tamuli	Study Hard	Good
3.	54	Ghanakrishna Dutta	Diganta Kr. Saikia	Study Hard	Good
4.	70	Jadav Borpatragohain	Diganta Kr. Saikia	Study Hard	Good
5.	80	Kabita Das	Diganta Kr. Saikia	Study Hard	Good
6.	85	Lakhimai Das	Korobi K. Saikia	Study Hard	Good
7.	148	Raghunath Hazarika	Korobi K. Saikia	Study Hard	Good
8.	151	Ramananda Pegu	Korobi K. Saikia	Attend the classes regularly	Good
9.	163	Russia Doley	Prarthana Dutta	Study Hard	Good
10.	181	Samarandra Borgohain	Prarthana Dutta	Study Hard	Good
11.	69	Isfaqur Ali	Prarthana Dutta	Study Hard	Good

- **2021-22 (1<sup>st</sup> Semester/3<sup>rd</sup> Semester/5<sup>th</sup> Semester)**  
**Mentor & Mentees: Champa Tamuli**  
**Diganta Kr. Saikia**  
**Korobi K. Saikia**  
**Prarthana Dutta**

### 1<sup>st</sup> Semester

Sl no	Roll no	Students name	Mentor/Mentees	Suggestions	Remark (Excellent/Good/Average/Poor)
1.	11	Doli Sonowal	Champa Tamuli	Be Punctual	Good
2.	34	Niha Gogoi	Champa Tamuli	Be conscious in class	Good
3.	66	Palakhyadeep Buragohain	Champa Tamuli	Attend the classes on time	Good
4.	68	Gourab Pratim Dutta	Champa Tamuli	Be Regular	Good
5.	117	Kashyap Dutta	Diganta Kr. Saikia	Be Regular	Good
6.	132	Bitupan Saikia	Diganta Kr. Saikia	Improve your writing skill	Good
7.	136	Jogashri Saikia	Diganta Kr. Saikia	Be Regular	Good
8.	143	Babli Begum	Korobi K. Saikia	Sign the practical on time	Good
9.	144	Puranjoy Das	Korobi K. Saikia	Do complete the practical	Good
10.	149	Sahan Akhtar Ahmed	Korobi K. Saikia	Do practical on time	Good
11.	154	Manash Jyoti Chetia	Korobi K. Saikia	Improve your writing skill	Good
12.	168	Biswa Sing Chungkrang	Prarthana Dutta	Attend the classes on time	Good
13.	188	Samir Saikia	Prarthana Dutta	Be punctual	Good
14.	158	Pankaj Saikia	Prarthana Dutta	Be punctual	Good

### 3<sup>rd</sup> Semester

Sl. No	Roll no	Students Name	Mentor/Mentees	Suggestions	Remark (Excellent/Good/Average/Poor)
1.	37	Manash	Champa Tamuli	Study Hard	Good
2.	42	Manashjyoti Gogoi	Champa Tamuli	Study Hard	Good
3.	56	Bablu Das	Diganta Kr. Saikia	Study Hard	Good
4.	60	Dhrubajyoti Gogoi	Diganta Kr. Saikia	Study Hard	Good
6.	123	Pranab Doley	Korobi K. Saikia	Study Hard	Good
7.	159	Tajmol Hussain	Korobi K. Saikia	Study Hard	Good
8.	186	Tapubrat Das	Prarthana Dutta	Study Hard	Good
9.	150(BSC)	Jitul Saikia	Prarthana Dutta	Study Hard	Good

### 5<sup>th</sup> Semester

Sl no	Roll no	Students name	Mentor/Mentees	Suggestions	Remark (Excellent/Good/Average/Poor)
1.	11	Doli Sonowal	Champa Tamuli	Study Hard	Good
2.	34	Niha Gogoi	Champa Tamuli	Study Hard	Good
3.	66	Palakhyadeep Buragohain	Champa Tamuli	Study Hard	Good
4.	68	Gourab Pratim Dutta	Champa Tamuli	Study Hard	Good
5.	117	Kashyap Dutta	Diganta Kr. Saikia	Study Hard	Good
6.	132	Bitupan Saikia	Diganta Kr. Saikia	Study Hard	Good
7.	136	Jogashri Saikia	Diganta Kr. Saikia	Study Hard	Good
8.	143	Babli Begum	Korobi K. Saikia	Study Hard	Good
9.	144	Puranjoy Das	Korobi K. Saikia	Study Hard	Good
10.	149	Sahan Akhtar Ahmed	Korobi K. Saikia	Study Hard	Good
11.	154	Manash Jyoti Chetia	Korobi K. Saikia	Study Hard	Good
12.	168	Biswa Sing Chungkrang	Prarthana Dutta	Study Hard	Good
13.	188	Samir Saikia	Prarthana Dutta	Study Hard	Good
14.	158	Pankaj Saikia	Prarthana Dutta	Study Hard	Good

### 13. Report on Result

Session 2019 – 2020				
Sl. No.	Name of the Student	Percentage	Year of Passing	Remarks
1	Akash Chutia	69.64%	2020	1st class
2	Jugmajyoti Sonowal	66%	Do	do
3	Pankaj Pegu	67%	Do	do
4	Rinku Saikia	65%	Do	do
5	Samiran Borah	68%	Do	do
Total appear: 05				
Total pass: 05				
Pass percentage: 100%				

Session 2020 - 2021				
Sl. No.	Name of the Student	Percentage	Year of Passing	Remarks
1	Ghanakrishna Dutta	77.42%	2021	1st class
2	Arvin Bharali	73.5%	do	do
3	Kabita Das	72.57%	do	do
4	Isfaqua Ali	67.5%	do	do
5	Samarendra Borgohain	66%	do	do
6	Raghunath Hazarika	71%	do	do
7	Jadav Borpatragohain	70.30%	do	do
8	Arup Das	70.36%	do	do
9	Lakhimai Das	68.38%	do	do
10	Russia Doley	69.57%	do	do
Total Appear: 10 Total Pass: 10 Pass Percentage: 100%				

#### 14. Field visit with Student list

Year 2016 – 2017

Guwahati – Shillong: Date – 24/09/17

**Objective:** Main objective of the field study is to understand about an area practically. Acquire skills related to policy formulation, implementation and analysis. Provide an opportunity to explore.

Sl.No.	List of Students
1	Samiran Bora
2	Lokhipriya Baruah
3	Pujashree Dutta
4	Nikumoni Saikia
5	Nazima Begum
6	Kabita Deuri
7	Bulumoni Sonowal
8	Dhanmoni Das
9	Mayuri Gohain Baruah
10	Akash Chutia
11	Dharani Nath
12	Ikramul Ali

13	Aijul Islam
14	Hemanta Dutta
15	Durnakanta Taid
16	Ranjan Saikia
17	Satyajit Dutta
18	Suraj Gogoi
19	Nipu Debnath
20	Debajit Tamuli
21	Tulan Borah
22	Lalit Garh
23	Tapan Das
24	Ujjal Das

**Outcome:** Access to care is the centerpiece. Students' could able to mug up knowledge by visiting the place what was known to them earlier from books, classroom as well as through media.

Year 2017 – 2018

Guwahati – Shillong: Date – 25/08/2018

**Objective:** Main objective of the field study is to understand about an area practically. Acquire skills related to policy formulation, implementation and analysis. Provide an opportunity to explore.

Sl.No.	List of Students
1	Martina Doley
2	Gauranga Doley
3	Ajay Das
4	Tinku Gogoi
5	Jagat Borohain
6	Nitpal Das
7	Dibyajyoti Borgohain
8	Guna Chetia
9	Jayanta Borah
10	Jadav Borpatra Gohain
11	Priyanka Dutta
12	Abidur Rehman
13	Jyotika Borgohain
14	Rakesh Gogoi
15	Pinki Gogoi

16	Pahari Borah
17	Lakhimai Das
18	Bhrigu Saikia
19	Pallabi Das
20	Arup Das
21	Kabita Das
22	Bharati Rajkhowa
23	Rupam Dutta

**Outcome:** Access to care is the centerpiece. Students' could able to mug up knowledge by visiting the place what was known to them earlier from books, classroom as well as through media.

Year 2018 – 2019

Guwahati – Shillong: Date – 28/09/2019

**Objective:** Main objective of the field study is to understand about an area practically. Acquire skills related to policy formulation, implementation and analysis. Provide an opportunity to explore.

Sl.No.	List of Students
1	Himashri Nath
2	Bikash Borah
3	Lichamoni Konnwar
4	Rubi Das
5	Bipul Nath
6	Gitashree Nath
7	Indrani Nath
8	Bishal Borah
9	Arup Saikia
10	Manashjyoti Saikia
11	Prajnyamoni Gogoi
12	Bikash Dutta
13	Karishma Gogoi
14	Popy Nath
15	Suranjit Das
16	Priyanke Das
17	Chayanika Borah
18	Dipankar Borah
19	Pragya Hazarika
20	Silpi Nayak

21	Himadri Borgohain
22	Sushanta Das
23	Tapubrat Das
24	Swapnali Deka
25	Chinku Rajkhawa
26	Bablu Rajkhawa
27	Hazarat Ali
28	Janmoni Sonowal
29	Sewali Chetia

**Outcome:** Access to care is the centerpiece. Students' could able to mug up knowledge by visiting the place what was known to them earlier from books, classroom as well as through media.

Year 2019

Shillong: Date – 28/09/2019

Shillong is a hill station in North East India and capital of Meghalaya. It's known for the manicured garden at Lady Hydari Park. Shillong is also famous for its natural beauty, apart from its natural beauty Shillong also act as the gateway to Meghalaya, the state famous for heavy rainfall, tallest waterfalls, beautiful landscapes and amazing people and their culture.

The main objective of our field survey is:

- To know about Tourism Sector and its development.
- To make students aware about tourism.

The places that we visited there are:

- **Umiam Lake**
- **Don Bosco Centre for Indigenous**
- **Elephant Fall**
- **Shillong View Point**
- **Mawjymbulin Cave**
- **Shillong Peak**

**List of students:**

Samiran Borah  
Pankaj Pegu  
Rinku Saikia  
Akash Saikia  
Jugmajyoti Sonowal



Year 2019

Rampur - Rajgarh: Date – 17/11/2019

**Objective:** Main objective of the field study is to understand about an area practically. Acquire skills related to policy formulation, implementation and analysis. Provide an opportunity to explore.

**List of Students:**

Sumi                      Lahon  
Himangshu    Rajkhowa  
Manji Dutt  
Barasha                Borah  
Bikash                 Gogoi  
Darshana              Bora  
Himmashree    Boruah  
Janmoni                Doley  
Hushnara                Neshe  
Niharika                Dutta  
Kakumoni                Saikia  
Monika Das  
Rekha Das

**Outcome:** Access to care is the centerpiece. Students' could able to mug up knowledge by visiting the place what was known to them earlier from books, classroom as well as through media.

YEAR 2020-21

SOCIO-ECONOMIC SURVEY, Date: 23/12/2020

**(UJJANI MIRI)**

**Objective:** Socio-Economic survey is an important part of education to know the status of the people of various societies. The sole aim of the socio-economic planning of our country is to transform the socio-economic condition of the people living in the rural areas.

**List of Students:**

Doli Sonowal  
Darshana Borah  
Taher Ali Hazarika  
Sonjit Lahon

Chandan Dutta  
Srimanta Khatonia  
Tirthanatha Pegu  
Dharani Saikia  
Himashree Boruah  
Ranjit Neog  
Dipak Devnath  
Bitupan Saikia  
Dalim Das  
Sanpriti Boruah  
Abdul Aziz  
Bikash Borbaruah  
Bikash Gogoi  
Kukil Hazarika  
Ankur Das  
Palakhyadeep Buragohain  
Niharika Dutta  
Rakumoni Saikia



**Outcome:** Access to care is the centerpiece in the elimination of socio- economic disparities. Proper planning procedure can be taken in hand through socio-economic survey. Students' could manage to know about rural people with their limited resource managing livelihood.

**Year – 2020**

**Checkbandh**

Checkbandh is an embankment area located at Khoga, near Subansiri River. Due to covid, we decided to go to a near place for field survey by accepting all norms provided by the Government.

The main objectives of our field survey are:

- To analysis the erosional work of river.
- To study about River works.

**List of Students:**

Samiran Borah  
Pankaj Pegu  
Rinku Saikia  
Akash Saikia  
Jugmajyoti Sonowal



YEAR 2020-21  
INDUSTRIAL VISIT  
(ANANDA TEA ESTATE)

**Objective:** Industrial visits provide students' with an opportunity to learn practically through interaction, working methods and employment practices. It gives the students' an exposure to current work practices as opposed to the theoretical knowledge being taught in the class room.

**List of Students:**

Ghanakrishna Dutta

Arvin Bharali  
Jadav Borpatragohain  
Kabita Das  
Lakhimai Das  
Raghunath Hazarika  
Arup Das  
Isfaqur Ali  
Samerendra Borgohain  
Russia Doley



**Outcome:** The social customs, socio-economic conditions and aspiration of a particular tea garden community are best understood. Also, students' have become familiar with plantation, factory, and distribution system management more particularly about the people living in the tea estate.

YEAR 2021-22  
VISIT TO THE PLACE OF CULTURAL HERITAGE  
(MAJULI)

**Aims and objective:** The main objective of visiting the place of cultural heritage to make the students' aware of cultural heritage of the country and as a means of developing oneness amongst the students'.

## List of Students:

Dipta Kalita  
Jegmin Begum  
Chayanika Changmai  
Sunali Gogoi  
Pattika Das  
Megha Patir  
Rishikash Gowala  
Momsum Borah  
Pinki Saikia  
Lakymoni Nath  
Nikita Das  
Rimpi Das  
Manoj Nath  
Mousuk Chandiguria  
Anga Farwa Lama  
Syed Shamin Ahmed  
Sultan Siddiqui  
Joydip Kandir  
Rintu Gogoi  
Anupam Boruah  
Richi Borah  
Chaynika Saikia  
Barsha Pegu  
Pradip Dutta



**Outcome:** The Satras are Vaishnavite monastic settlements on the river islands of Majuli in the mighty Brahmaputra. It reflects upon the special relationship of Satra with its unique environmental context and tradition of Satriya culture. Acknowledging that sustainable practices are best understood as traditional responses to the natural and cultural landscape.

YEAR 2021-22

PROJECT REPORT

(Flood and its impact on human settlement in Ranganadi River)

**Aims and objectives:** The main objective of the project is to develop understanding of the learner about “Disaster Management” and to make the students’ aware about the concepts of hazards, risk and vulnerability.

**List of students**

Dipika Kalita  
Ruhini Dutta  
Seujpriya Gogoi  
Doni Dutta  
Nabajit Gogoi  
Ranjan Medhi  
Dhrubajyoti Das  
Kangkan jyoti Gogoi  
Madhab Das  
Sushanta Das



**Outcome:** Students' could able to understand that there is a strong need to include geomorphological parameters of the river basin in flood analysis, as these parameters govern the hydrological response of the river basin in a traditional approach of the rainfall- runoff analysis the effect of geomorphology is not considered.

15. Departmental Stock Register:

Sl. NO.	Name of Instrument / Imps	Quantity
1.	Plane-table Survey → With Instrument.	1
	Stand -	1
	metre	1
	level	1
	Scale	1
	Table	1
2.	Thum P/A	1 Packet
2.	Prismatic Compass →	1
	Stand	1
	metre	1
	levelling	1
	stick	1
	Scale	1
3.	Dumpy level →	
	Dumpy	1
	Stand	1
	levelling	1
	stick.	1
	Scale	1

## Department of Geography

Sl. No.	Name of Instruments/maps	Quantity
4	Chain Survey method	
	chain	1
	stick	1
5.	Graphical Scale	6
6.	Geometry Box	
	whole set	1
7	Stencil set	1
	Pen	1
	vato	1
	Scale	1
8	Tracing Paper	1 roll



Sl. No.	Name of Instrument/ maps	Quantity
9	World map (Political)	2
10	Assam "	1
11	India "	1
12	Antarctic (physical)	1
13	Europe (physical)	1
14	Asia Political	1
15	Globe	1
16	Toposheet	1
17	Weathermap	1

S/No.	Name of the Instruments	Quantity
1.	Geometry Box	2
2.	Weather map India -	3
3.	Theodolite -	1
4.	Ranging Rod	6 P.
5.	Staff -	1 P.
7	Survey Umbrella.	1 P.

Verified  
Alshar

Stamp: [illegible]  
Amount received of Rs. 100/-

27/9/2012

Name of Instrument & Quantity

- |                             |        |
|-----------------------------|--------|
| ① weather maps —            | 29 Nos |
| ② other maps —              | 10 "   |
| ③ Toposheets —              | 6 "    |
| ④ chain survey instrument — | 1      |
| ⑤ Planetable —<br>Survey    | 1      |
| ⑥ Prismatic —<br>Compass —  | 1      |
| Verified ⑦ GPS —            | 1      |

2/10/12  
29/9



27/9/2012