VALUE-ADDED COURSE

On

Coastal Vulnerability Management

(GEOVAC 005)

(With effect from 2022)

COURSE OFFERED BY

Department of Geography

PASKURA BANAMALI COLLEGE (AUTONOMOUS)

Panskura RS, Purba Medinipur

PIN 721152

COURSE DETAILS

1. Name of the course: **Coastal Vulnerability Management**
2. Course structure: **Theory and Practical**
3. Intake capacity: **Minimum 20**
4. Course fees: **Rs 300.00** (three hundred/candidate)
5. Course time: **30 hours**
6. Medium of instruction**: English**
7. Mode of teaching: **Blended**
8. Course coordinator: **Mr**. **Santu Guchhait**
9. Coordinator's contact information: guchhaitsantu2014@gmail.com

Coastal Vulnerability Management

(Number of lectures to be delivered for theory & practical 30 hours)

Theory (Number of lectures to be delivered for this group -10 hours)

1.1 Concept of hazards, risk and its components. (2hrs)

1.2 Understanding coastal hazards and Vulnerability. (2hrs)

1.3 Importance of coastal vulnerability indices and risk assessment. (2hrs)

1.4 Role of coastal dwellers and their participation for short-term risk management. (2hrs)

1.5 Management strategy for reducing the effect of Coastal vulnerability. (2hrs)

Practical (Number of lectures to be delivered for this group -20 hours)

2.1 Identification of the coastal hazards and the parameters for vulnerability assessment. (2hrs)

2.2 Estimation of coastal vulnerability indices (CVI). (5hrs)

2.3 Mapping of multi-hazard vulnerability mapping (MHVM) (8hrs)

2.4 Assessment of coastal risk and management strategies. (5hrs)

References:

1. Keith Smith (2003), *Environmental Hazards: Assessing Risk and Reducing Disaster*

2. Loraine McFadden, Robert Nicholls, Edmund Penning-Rowsell (2007), Managing *Coastal Vulnerability*

3. M. Marchand (2009), *Modelling Coastal Vulnerability: Design and Evaluation of a Vulnerability Model for Tropical Storms and Floods*, Volume 5