Department of Civil Engineering

Academic Year 2021 – 2022 (Odd Semester)

Degree, Semester & Branch: V Semester B.E. Civil Engineering

Course Code & Title: GE8071 Disaster Management

Name of the Faculty member (s): Mrs.A.Leema Margret

Innovative Practice Description

- **Unit / Topic:** Unit V / Disaster Management: Applications and Case Studies and Field Works
- **Course Outcome:** CO5
- **Topic Learning Outcome:** TLO14, TLO15
- **Activity Chosen:** Reflective journal
- **Justification:**

Reflective journaling is an important tool which assists students in identifying and processing learning in the Field practicum setting. Journals provide an avenue for students to document what they are learning and to become more intuitive in their practice. So through this practice landslide hazard zonation, storm surge assessment and forest fire assessment can be studied.

- **Time Allotted for the Activity: 50 Minutes**
- **Details of the Implementation:**

In this methodology, students were clubbed into 4 per group. Then they were given a copy of a case study assessment journal on landslide hazard zonation, storm surge assessment and fire assessment. Every group were given time to read the journal and finally they were asked to submit a report on inferences from the journal.

- **CO – PO / PSO mapping:**

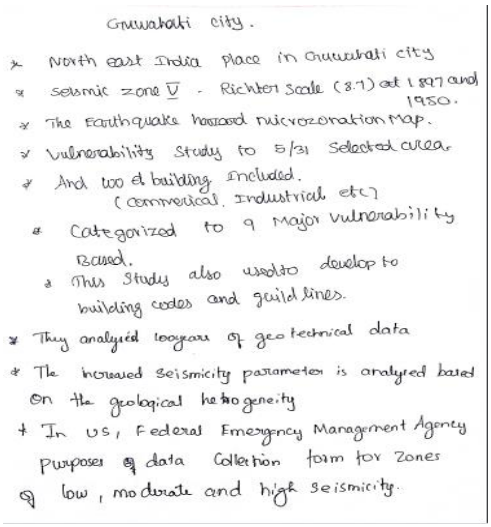
CO	PO2	PO3	PO10	PSO2
CO5	3	2	2	2

(1 – Low 2 – Moderate 3 – High)

- **PO / PSO mapped:**

Innovative practice	PO2	PO3	PO10	PSO2
Justification for correlation	Know how conclusion obtained for the disaster damage assessment and management planned	Develop earthquake vulnerability assessment of buildings and infrastructure	Learn the importance of providing early warning during disasters such as flood, forest fire	Learn to develop earthquake vulnerability assessment of buildings and infrastructure

- **Images / Screenshot of the practice:**

<table>
<tr><th colspan="2">Innovative teaching method Execution</th></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>  </td><td> 
</td></tr>
</table>

- **Reflective Critique:**
  - ***Feedback of practice from students and other stakeholders:***

    Oral feedback was received from students and most of them conveyed that they learnt what actually the assessment on landslide hazard zonation, storm surge and forest fire and where this assessment can be applied.
  - ***Benefit of the practice:***

    This practice certainly would develop hazard and vulnerability assessment of earthquake, storm surge and forest fire among students. They will try to use this concept by taking any one particular city and do vulnerability assessment.
  - ***Challenges faced in implementation:***

    Since they have first time gone through a journal, they faced difficulties in reading a full research paper

References:

- www.sciencedirect.com