(BAS 104 /204)ENVIRONMENTAL STUDIES

Classroom Activity: Mini EIA Simulation for a Hypothetical Project

Objective:

To help students understand the process, components, and significance of Environmental Impact Assessment (EIA) through a simulated group activity.

Activity Title:

"Build or Block? – A Mini EIA Simulation"

Duration:

50–60 minutes (can be split into 2 sessions if needed)

Materials Needed:

- Printed handouts or slides (project descriptions, EIA format)
- Chart papers, markers
- Access to internet (optional for research)
- Rubrics for evaluation

Step-by-Step Procedure:

1. Divide the Class (5 minutes):

Split the class into small groups (4–6 students per group). Assign each group a role:

- Project Proponent (Developer)
- Environmental Consultant
- Local Community Representative
- Government Regulator/NGO

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2. Project Scenario (5 minutes):

Give each group a **hypothetical project** to evaluate, such as:

- Construction of a dam
- Opening a new thermal power plant
- Setting up a chemical factory
- A new highway project through a forest area

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3. Research & Discussion (15–20 minutes):

Each group discusses the **possible environmental impacts** of the project related to:

- Air, water, soil pollution
- Biodiversity
- Socio-economic effects
- Waste generation and management
- Mitigation strategies

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4. EIA Report Draft (15 minutes):

Each group prepares a **mini EIA report** covering:

- Description of the project
- Baseline environmental conditions
- Predicted impacts
- Mitigation measures
- Environmental Management Plan (EMP)

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5. Presentation (10–15 minutes):

Each group presents their report. The class can vote on whether the project should be approved, modified, or rejected based on the EIA findings.

Assessment Criteria:

- Understanding of EIA components
- Quality of impact analysis
- Creativity in mitigation strategies
- Clarity of presentation
- Teamwork

Learning Outcome:

Students will be able to:

- Understand the importance and process of EIA
- Analyze environmental consequences of developmental activities
- Propose sustainable alternatives