

## Lecture Plan

**Name of the College: Government College of Arts, Science and Commerce. Sanquelim- Goa**

**Name of Faculty:**

**Subject: Zoology**

**Paper code: ZOO 322**

**ENVIRONMENTAL IMPACT  
ASSESSMENT**

**Program: T.Y. BSc**

**Division: A**

**Academic year: 2025-  
2026**

**Semester:VI**

**Total Lectures: 30 (15 Practicals/ Labs)**

**Course Objectives:**

1. Acquaint the learners with an understanding and appreciation of impacts on the environment of developmental activities.
2. Familiarize with the impact appraisal methods and mitigation approach relevant to our country.
3. Understand the working of different organizations / groups involved in EIA.
4. Invest in future environment-friendly citizenry.

<p><b>Expected Course Outcome: At the end of this course, students will be able to:</b></p> <ol style="list-style-type: none"> <li><b>1. Understand relevance of EIA to India's fast pace of development.</b></li> <li><b>2. Acquire applied knowledge of EIA and contribute effectively to appraisal of developmental projects.</b></li> <li><b>3. Gain hands-on experience in conducting environmental risk assessments.</b></li> <li><b>4. Appreciate EIA proceedings.</b></li> </ol>							
<p><b>Student Learning Outcome:</b></p>							
Month	Lecture From	Lecture To	No. of Practical allotted	Topic, Subtopic to be covered	Exercise/Assignment	ICT Tools	Reference books
December	01-12-2025	06-12-2025	01	Measuring the sound levels in control and noisy sites especially during the festive season using portable digital Sound Level Meter/ Decibel Meters. The sound levels shall be compared with prescribed dB level limits			1. B. Marriott, Environmental impact assessment: a Practical Guide, McGraw-Hill, 1997. 2. C. H. Eccleston, Environmental Impact Assessment: A Guide to Best

								Professional Practices, CBS Publications, New Delhi, 2011. 3. G. Colombo, Environmental Impact Assessment, Springer, New York, 1992.
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December	08-12-2025	13-12-2025	01	Measuring the wind Speed and Direction using Portable Anemometer.		PPT	
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Decembe r	15-12-2025	20-12-2025	01	To quantify SPM (Surface Particulate Matter) using Wash Off method on Leaves of any three road side trees.		PPT	

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January	02-01-2026	03-01-2026	01	Testing water for Hardness, pH, TDS, and E. coli.		PPT	
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January	05-01-2025	10-01-2025	01	<p>Preparing an inventory of local tree Species for Green Belt</p> <p>Plantation in the following sectors.</p> <ul style="list-style-type: none"> <li>• Mining</li> </ul>		PPT	
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January	12-01-2025	17-01-2025	01	<p>Preparing an inventory of local tree Species for Green Belt</p> <p>Plantation in the following sectors.</p> <p>Common Municipal Solid Waste Treatment Facility</p>		PPT	
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January	19-01-2026	24-01-2026	01	Calculating Density, Frequency & Abundance of flora in a plot using Quadrat sampling (For assessment during examination, compiled data be provided).		PPT	
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January	27-01-2026	31-01-2025	01	Determining of Important Value Index (IVI) of different plant species in a forest /garden plot		PPT	
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February	02-02-2026	07-02-2026	01	Prepare a Concise Wildlife Conservation Plan for any two IWPA Schedule I mammalian species found in Goa.		PPT	.
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February	09-02-2026	14-02-2026	01	Prepare a Concise Wildlife Conservation Plan for any two IWPA Schedule I mammalian species found in Goa.			
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February	16-02-2026	21-02-2026	01	Critical analysis of EIA Report of any B1 category Project from any sector (Report can be accessed from public domain).		PPT	
February	23-02-2026	28-02-2026	01	Critical analysis of EIA Report of any B1 category Project from any sector (Report can be accessed from public domain).		PPT	

March	02-03-2026	07-03-2026	01	Visit to any NABET accredited EIA consultancy firm in Goa/ to get acquainted with EIA process and submission of report (in absence of EIA Consultancy firm, a Virtual session be organised).		PPT	
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March	09-03-2026	14-03-2026	01	Visit to any NABET accredited EIA consultancy firm in Goa/ to get acquainted with EIA process and submission of report (in absence of EIA Consultancy firm, a Virtual session be organised).		PPT	
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March	16-03-2026	21-03-2026	01	For any Repeat or Practice Practicals		PPT	
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