



KARMA ELECTRIC

ATOMIK  
AUDIO.

## System Design Task

### Design a 3D Soundscape

Imagine you're in Mudumalai National Park, in a setting as follows:



How can you aurally recreate the experience of being there?

Using only 2 loudspeakers, design a 3D sound system which responds to the listeners position.

#### Key Pointers:

- Form groups of 4 (not mandatory) to do the task.
- Design the system for one user only
- Draft a system design with block diagrams from input to output. The system's output is audio from the speakers.
- Incorporate DSP, Embedded, Acoustics & Electronics in your system
- Submit a pdf document with 1-2 page with system diagram & description

Happy designing!