



**Hope Foundation's  
International Institute of Information Technology,  
Hinjawadi, Pune – 411057**

---

**Department of Engineering Sciences  
(Academic Year 2020-21)**

**Date:28/04/2021**

**Report on Guest Lecture**

The Department of Engineering Sciences has organized the Guest Lecture on dated 28/04/2021 at I<sup>2</sup>IT(online mode due to lockdown), Pune for FE students on “ECOSYSTEM AND ECOLOGY”. The duration of the event was 1 hours (1 hours/day) started on the dates 28/4/21 at 10:00 AM. A total of 60 students attended the guest lecture.

Due to the Covid-19 pandemic, the Guest Lecture was conducted through online mode (MICROSOFT TEAM). The link is shared with all the students. The guest resource person was heartily welcomed by Prof. Mahesh S Waghmare, Event Coordinator . Prof. Dhirajkumar Lal was the resource person for the Guest Lecture. He has a total of 20 years of academia and industry experience. He is an eminent speaker as well. In his talk, he emphasized the importance of ecology, ecosystem, food chain, food web, interrelation of living and non living things etc. The resource person has cleared all doubts/queries asked by the students. The event ended with a vote of thanks.

As per the feedback received from the students, it was a very good learning experience, the guest lecture helped them in their understanding of the ecosystem and ecology concept. The students have requested to conduct more guest lectures hands-on in the near future.

**Prof. Mahesh Waghmare  
(Event Coordinator)**

## Event Photos:

The screenshot shows a Zoom meeting window titled "Ecosystem and Ecology". The main slide content is as follows:

**An environment is characterized by the ABIOTIC and BIOTIC factors.**

- × **Abiotic** factors are *non-living*.
  - × Abiotic factors include science like chemistry, physics and geology.
  - × Interactions of abiotic factors result in weather, seasonal changes, tides, air quality, and water quality
- × **Biotic** factors are *living* and can be categorized within an *ecosystem structure...*
  - Species → Population → Community →

**ECOSYSTEM:** all of the communities that live in an area together with the abiotic factors in the environment

The meeting interface includes a "Recording has started" notification, a "Participants" list on the right, and a bottom toolbar with icons for chat, mute, and other functions. The system tray at the bottom shows the time as 10:16 on 28-04-2021.

Event Photo 1: A Guest Lecture on “Ecosystem/Ecology”

The screenshot shows a Zoom meeting window titled "Ecosystem and Ecology". The main slide content is as follows:

**AN ORGANISM'S NICHE**

- × These relationships are complex. Each population of species interacts with other species, or biotic factors, as well as with the all of the abiotic factors.
- × The niche of an organism and it's interactions is determined by *where it stands in the ecological structure of the ecosvstem*
  - Producers
  - Consumers
  - Decomposers
  - Scavengers

An illustration of a squirrel eating a nut is shown with the text: "Bucky knew that he owned his position in his niche."

The meeting interface includes a "Recording has started" notification, a "Participants" list on the right, and a bottom toolbar with icons for chat, mute, and other functions. The system tray at the bottom shows the time as 10:24 on 28-04-2021.

Event Photo 2: A Guest Lecture on “ecosystem/ecology”