



**Bharath**  
**INSTITUTE OF HIGHER EDUCATION AND RESEARCH**  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

**DEPARTMENT OF INTERNATIONAL RELATIONS**

**ONLINE INTERNATIONAL WEBINAR /TECHNICAL LECTURE BY PROFESSOR FROM**  
**ARIZONA STATE UNIVERSITY, USA on 13.11.2020**

Department of International Relations BIHER collaborate with School of Architecture and School of Sciences and Humanities organized a Webinar on “Sustainable Architecture and Technology”.

The Webinar was held on 13<sup>th</sup> November 2020 and Professor. Dongwoo Jason Yeon guest speaker from Design School, Arizona State University, Tempe. USA

Ar.Mohamed Farook Ali, Head of School of Architecture welcome the guest speaker. More than 290 Students from Architecture and Basic Sciences and Humanities have participated in the Webinar.

Ptof. Dongwoo Jason Yeon gave a lecture on three important topics related to building construction. The first topic as “Human Sensing-Implemented indoor heating and cooling system control. In which he presented the basic concepts used in sustainable architecture technology relating with best suitable real-time examples. He emphasized the important of intelligent building and future solutions in the realtime world.

In the second inspired the audience by lively interaction on how to integrate human building research with the building system. He discussed about analyzing and using data by different tools and techniques to represent data for design solutions. He told that the tools and techniques will provide understanding of descriptive and predictive analytics, building models for day to day applicability and performance forecasting for taking proactive design decisions.

In the third topics he covered the sustainable in the does environmental control strategy in a built environment. He said that the gained practical mastery learning through hands on projects designed by him understanding the traditional architecture practice in sustainable building and technology in India and china global scales.

These lectures by Prof. Daongwoo Jason Yeom shared his knowledge practical experiences with the participants. Also motivated the participants in understanding the sustainable architecture and technology. And also bridge the gap between academics and industries. Ar.Mohamed Farook, Head of the School of Architecture delivered the vote of thanks

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "2.6 Human Pupil size as a Lighting". The slide content includes:

- Pupil size-driven Lighting Control Model
- Potential Application
- End-user level indoor lighting environment control algorithm

The slide features a flowchart with the following components:

- Control Algorithm (top)
- Pupil Size Sensing (left)
- Lighting Control (right)
- Feedback (bottom)

The flowchart shows a cycle: Pupil Size Sensing feeds into the Control Algorithm, which feeds into Lighting Control, which feeds into Feedback, which then feeds back into Pupil Size Sensing. A small inset image shows a person's eye being measured.

At the bottom of the slide, the number "39" is visible.

On the right side of the Zoom window, there is a "Participants (233)" list. The list includes names such as B.Kavya Lakshmi Prasanna, Harshavardhan Panja, K Vijay Shankar 16206, Darshika, Kalyani Gajjala, Ilammaran Varshan, Sai Tej, Sachin, Sk. Bibijanu 15915 GE, Narasimha, Rayini Lokesh, 14393 S.Bhagyalakshmi, Kamarul, Jayalakshmi, and BONE HARSH VARDHAN NAIDU. Each name has a small icon indicating their status (muted, video off, etc.).

### Prof. Dongwoo Jason Yeom delivers his lecture on “Sustainable Architecture and Technology” on 13<sup>th</sup> Nov 2020

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "3.2 Multidisciplinary Research". The slide content includes:

- Comfort: Definition
- Condition of mind that expresses satisfaction with the thermal environment, and is assessed by subjective evaluation (ASHRAE, 2017)

The slide features a diagram illustrating the relationship between Design, Psychology, and HVAC Eng.:

- Design (represented by a house icon and a pencil)
- Psychology: Cognitive Performance (represented by a head icon with a question mark)
- HVAC Eng. (represented by a flame icon and a snowflake icon)

The diagram shows arrows indicating interactions between Design, Psychology, and HVAC Eng.

At the bottom of the slide, the number "44" is visible.

On the right side of the Zoom window, there is a "Participants (235)" list. The list includes names such as B.N.V.Vinayak, Logesh S A, Dharshinipriya, MOHAMMAD MUSHTAQ AHMED, Dr Chandeaboss, M.Srinivas, 15477 Shiva Prasad Reddy, Surya Km, Umashankari, Sriprata Sriram, Bharath, K.Sevanth, Dhanish Basheer, Sooriya Praghaash, and Gokula Karthikeyan 14857. Each name has a small icon indicating their status (muted, video off, etc.).

### Prof. Dongwoo Jason Yeom clarifies Students question