Report on "Vigyan Par Charcha" Session-03

Speaker: Dr. Sanjay Kumar Singh IIT Indore

Date: January 27, 2021

Faculty organizers (IIT Indore)

Dr. Niraj Kumar Shukla

Dr. Ashisha Kumar

Dr. Mrigendra Dubey

#### http://ebsb.iiti.ac.in



# Rajya Shiksha Kendra, Bhopal

Dr. Ravendra Prasad Tripathi

Youtube Channel: https://www.youtube.com/channel/UCoKz2WKf-hmKncSbzruOeoA/featured









# Supports from other members of IIT Indore:

Students Team: Krishna Kumar

Mukul Bahedia

Naxshatram Shreyas

## Others:

Mr. Lalit Jain Mr. Dushyant Rana (Secretarial Staff) Mr. Praveen Kaushal (IT- Department)

# **Title of Talk: Air Pollution**

Under immense, magnitude initiative by Ek Bharat Shrestha Bharat, IIT Indore Rashtriya Avishkar Abhiyan hosted new session of "Vigyan par Charcha" Session–3 on Air Pollution on dated 27th January, 2021. The speaker of this session was Dr. Sanjay K. Singh, Associate Professor, IIT Indore.

The session was hosted by Dr. Niraj Kumar Shukla, Convenor-EBSB, IIT Indore. In the beginning Dr. Shukla welcomed Dr. Sanjay K. Singh and gave brief introduction about their academia profession and his achievement so far.

After, this Dr. Shukla requested to Dr. Sanjay K. Singh to take over the session. Initially, before going to move forwarded Dr. Sanjay gave the brief description how air pollution is responsible for current environment and also stressed how Indore did well in terms of getting rid of this immense problem of Pollution.

According to him, Air pollution is caused by the presence in the atmosphere of toxic substances, mainly produced by human activities. He explained the major causes of Air pollution: Combustion of fossil fuels, Emissions from industries and factories, releasing large amount of carbon monoxide, hydrocarbon, chemicals and organic compounds into the air, Waste production, mostly because of methane generation in landfills.

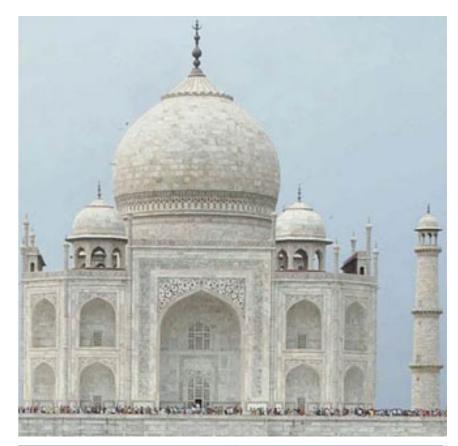
After this, he explained with how much CO2 emission we generate when we use private transport, and he tried to convey how we can decrease the emission level of carbon dioxide by using public transport.

Dr Sanjay also explained why Earth is warm; what are the effects of Green House Gasses. He explained this concept through some images and a video which was a little experimental based which can easily see on You tube (the link is available at the end of this report).

He also successfully tried to explain the concept of Global warming, ocean acidification, smog. He approached, how we can use alternative sources (like use of electric vehicle, hydrogen vehicle) to decrease the level of Air Pollution.

Before ending the lecture he thanked to EBSB Convener, his team and MP Govt. for promoting this event.

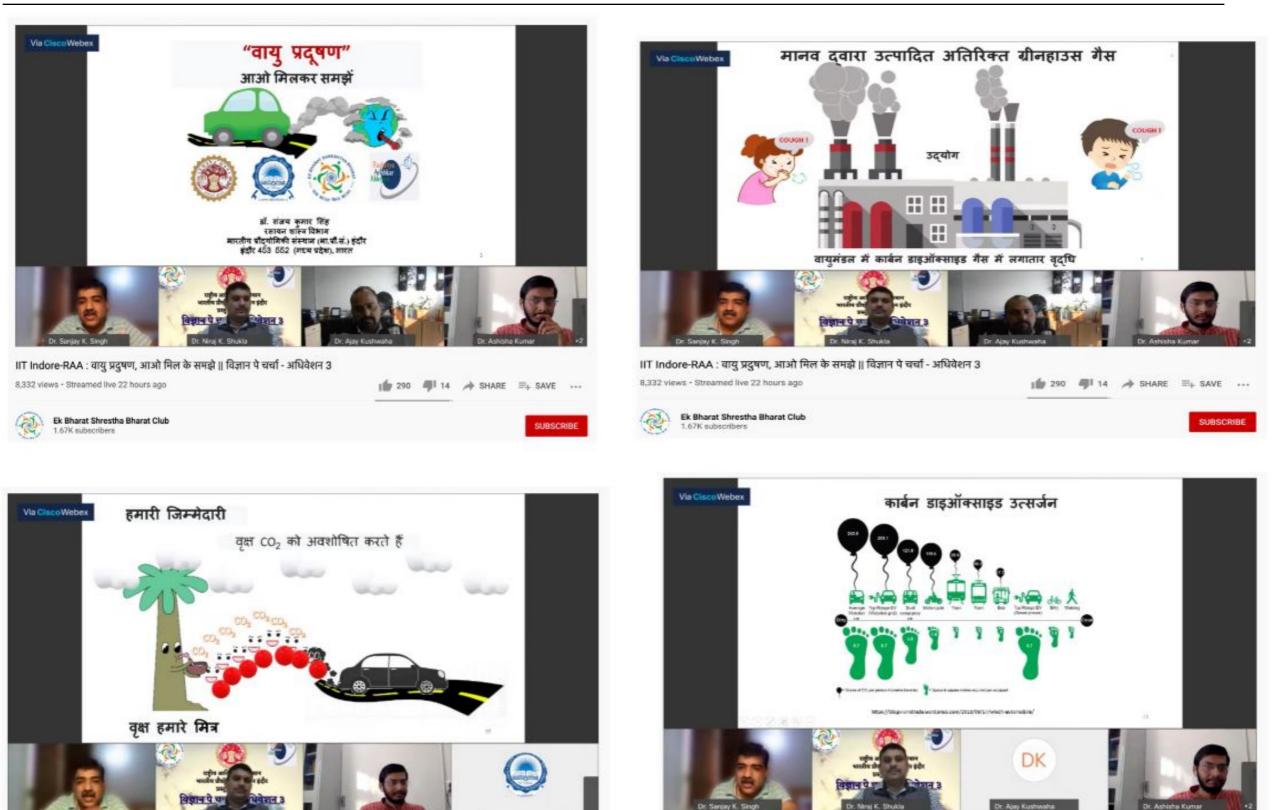
# **Effect on Taj Mahal**





#### **Glimpse of Session-3**

#### https://youtu.be/YgylcQ94Bl0



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#### **Glimpse of Session-4**

### https://youtu.be/YgyIcQ94BI0

