



राष्ट्रीय आविष्कार अभियान और
भारतीय प्रौद्योगिकी संस्थान इंदौर
प्रस्तुत करता है

विज्ञान पर चर्चा - अधिवेशन २ प्रकाश के कतिपय सरल प्रयोग



DATE: 20TH JANUARY, 2021
TIME: 4 PM - 5 PM

YOUTUBE LINK:

https://youtu.be/_Ek20Yc4A_g

**SPEAKER -
PROF. RAJESH KUMAR**

एक भारत श्रेष्ठ भारत,
विद्यार्थी विभाग,
भारतीय प्रौद्योगिकी संस्थान इंदौर



Vigyan Par Charcha - Inaugural Session

Date: 20 January 2021

Time: 4.00 p.m

Science has always been a subject of fascination, especially to young students. Thousands have invested their lives exploring the realms of science. There are over 46,600 patents filed in India, and every year more than 2000 new patents applications are registered. To encourage the school students to understand the different science concepts and apply these to the real-life problems, MHRD has started an initiative named “Rashtriya Avishkar Abhiyan” (RAA) on 9 July 2015 which is still growing to reach out to as many students as possible. Under this initiative, different government institutes, including IITs, IIM, and IISER, have immensely contributed to the students’ growth and development.

IIT Indore is also involved in the activities related to RAA under the bigger umbrella of “Ek Bharat Shreshtha Bharat” programme. In the recent time MP government recognised the efforts of RAA team (IIT Indore) and supported to prepare a unique programme named “Vigyan par Charcha” for the students of standard 6, 7 and 8.

The inaugural session of the same was organized on 13 January 2021. The session was graced by **Hon'ble Prof. H.C. Verma** and **Hon'ble Mr. Srijan Pal Singh**. It was telecast live on youtube. **Dr. Niraj Kumar Shukla**, Convenor-EBSB, IIT Indore hosted the session.

Continuation of the Program was proceeded by the talk of **Dr. Rajesh Kumar** (Discipline of Physics, IIT Indore) on 20 January 2021. In the beginning, **Dr.**

Shukla introduced the aim and motive of the session and how it will help the school students in developing their scientific concepts.

While introducing the speaker of the session as an efficient administrator, innate researcher and friendly teacher, **Dr. Ashisha Kumar** (RAA Team coordinator, IIT Indore) added that Dr. Rajesh Kumar is a poet by heart.

After the introduction, the session moved to the most awaited part of guidance and illustrations of Rajesh sir, in the beginning he emphasised the importance of questioning in science. How we can try and think of all phenomena happening around us, how science is present in our daily life. He further told that all the theories of today's modern science are the consequences of logical thinking and encouraged the students to think with the rational mind and find out the scientific reason for the phenomenons happening around them.

After explaining the importance of science, he introduced to the topic of LIGHT and illustrated famous light experiments. The white color is a collection of seven other colors or the red color of the morning and the evening sun is due to the scattering of light, he explained all of them with very **Friendly Experiments and Rhymes.**

After this, the session was concluded by Dr. Ravendra Prasad Tripathi, Nodal Officer, Rajya Siksha Kendra, Bhopal, and Dr. Niraj Kumar Shukla, Convenor-EBSB, IIT Indore.

Some images from live session:



(Meeting convenor Niraj Kumar Shukla, giving brief of the session)

Via CiscoWebex

गाओ और सीखो

खेल खेल में अभी अभी ये पता चला है
उजले किरण में साथ साथ रंग हिला-मिला है
खेल खेल में पता चला है
सात रंग से उजला बना है -२

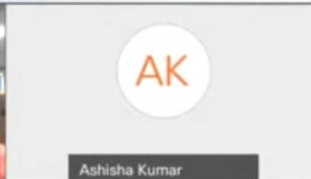
सूरज की किरणें छितराये इधर उधर जब
लाल छोड़ कर सारे जाएँ बिखर बिखर सब

सेब सरीखा सुबह-शाम सूरज दिखता है
उजले किरण में सात सात संग हिला मिला है

खेल खेल में पता चला है
सात रंग से उजला बना है -२

-राजेश "खुशी"

आभार- "गल्लार"



+5

**(Prof. Rajesh
explaining concepts using poems)**

Via Cisco Webex

प्रकाश-सारांश

1. देखने में मदद करता है
2. सफ़ेद प्रकाश सात रंगों से मिलकर बना होता है
3. सफ़ेद प्रकाश इन्हीं रंगों में विभक्त भी हो सकता है
4. इसमें गति होती है- ३ लाख कि मी प्रति से.
5. इससे तेज़ किसी की भी चाल नहीं हो सकती

rajesh Ashoka Kumar Dr. Niral K. Shukla RSK

← Replies ×



History Mistory • 1 day ago (edited)

अंतरिक्ष में ऐस्ट्रोइड उड़के एक जगह से दूसरी जगह जाते है मगर पर्थवी 🌍, चाँद 🌙, सूरज ☀️ क्यों नहीं एक जगह दूसरी जात हैं | Pratik class 7th

👍 3



💬 1



Add a public reply...



Rajesh Kumar • 1 day ago

प्रतीक, बड़ा ही अच्छा प्रश्न है आपका.

सूर्य, चन्द्रमा, पृथ्वी इत्यादि आपसी गुरुत्वाकर्षण के कारण तालमेल से घूमते हैं जबकि ऐस्ट्रोइड ग्रहों के गुरुत्वाकर्षण क्षेत्र में भटक कर आ जाने से उनमे खींचे चले आते हैं. यहाँ ध्यान रखने वाली बात... Read more

👍 1



(Doubts getting clarified in comments.)

OUTREACH

होम » मध्य प्रदेश NEWS

IIT इंदौर अब छठी से 8वीं तक के बच्चों को पढ़ा रहा साइंस और टेक्नालॉजी का पाठ



IIT यू ट्यूब के ज़रिए इसका प्रसारण कर रहा है.

इंदौर.
भारतीय

प्रौद्योगिकी संस्थान (IIT) इंदौर अब स्कूली बच्चों की मदद कर रहा है. कोरोना (Corona) के कारण बच्चे स्कूल नहीं जा पा रहे हैं और घर पर रहकर पढ़ाई कर रहे हैं. संस्थान ऐसे 6 वीं से लेकर 8 वीं तक के छात्रों को यू ट्यूब के ज़रिए पढ़ा रहा है.

INDORE-कार्यक्रम का रिस्पॉंस काफी अच्छा रहा है. इसे छात्रों के साथ-साथ टीचर्स भी फॉलो कर रहे हैं. इसमें ये सुविधा भी दी गयी है कि किसी भी तरह की दुविधा होने पर छात्र सीधे शिक्षक से संपर्क कर सकते हैं.

IIT-I to teach MP students science, maths on YouTube

OUR STAFF REPORTER

Indore

Under the national Invention Campaign, the Indian Institute of Technology (IIT) Indore will broadcast educational contents on Science and Mathematics for the students of classes 6 to 8.

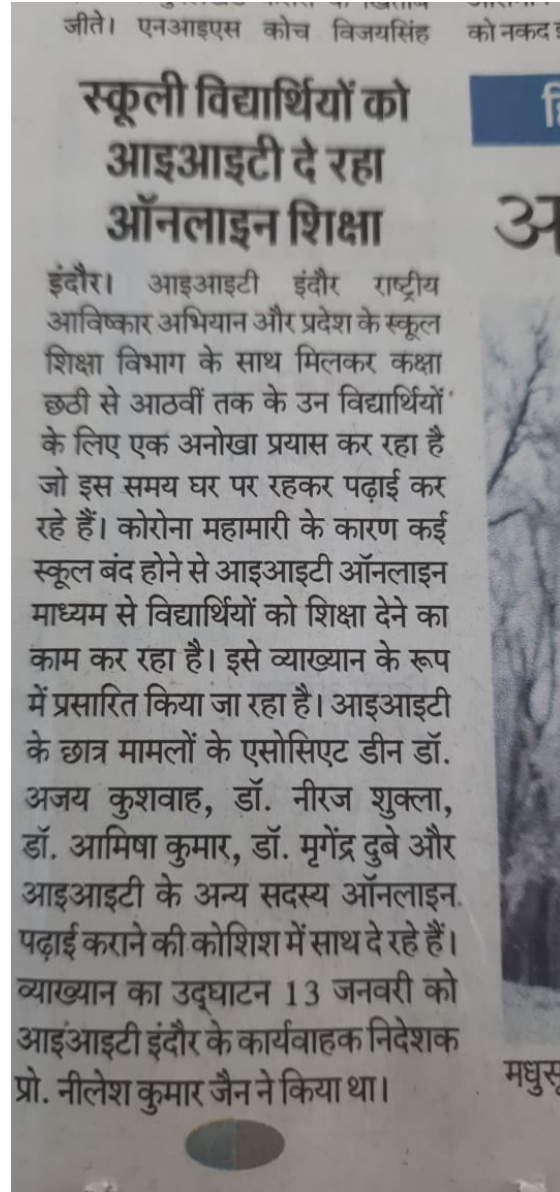
The programmes to be broadcast on YouTube will be monitored by the State Education Department, Madhya Pradesh. The programme will start from Wednesday, January 13, by the State Education Centre, Madhya Pradesh.

School Education Department in their social media handle said: "Under the national Invention Campaign, now IIT Indore will broadcast educational activities

in Mathematics and Science subjects for students of Class 6 to Class 8. The programme will be broadcast on YouTube by the Indian Institute of Technology, Indore."

Madhya Pradesh has also tied up with the Indian Institute of Management (IIM) Indore to develop video-based modules for teachers to train them in online teaching.

These training modules are aimed at enabling 3.07 lakh teachers of classes 1 to 12 to manage their time skilfully and handle their stress levels created due to online teaching. The online modules seek to develop teaching skills among the teachers by using internet-based tools.



Team members during the Inaugural session:

Faculty Member: Dr. Rajesh Kumar, Dr. Niraj Kumar Shukla, Dr. Ajay Khushwaha, Dr. Ashisha Kumar, Dr. Mrigendra Dubey.

Students: Mukul Bahedia, Rahul verma, Diwakar Soni.

Praveen Kaushal and Yogendra from **IT Department, IIT Indore**