



Dear Rohit,

Greetings from IIT Bombay!

Hope you all are healthy and safe.

India has achieved a significant milestone as cumulative vaccinations crossed the 100-crore mark. Partnering India's battle against COVID-19, I am happy to announce that the number of new and active cases are declining in the Institute. In the light of declining numbers of Covid positive patients, the Institute has gradually lifted several restrictions.



The Institute Gymnasium and old SAC Squash centre have reopened, subject to certain guidelines, and slot bookings are facilitated through an online portal. The management has revised rules involving longer stretches of quarantine to ensure a faster rate of students returning to campus.

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News from IIT Bombay



[IIT Bombay secures 1st rank in India in QS Asia University Rankings 2022](#)

IIT Bombay has secured the 42nd position in India in the QS Asia Ranking 2022. The Institute obtained a score of 72 out of 100 in the ranking. IIT Bombay secured 96 in Employer Reputation and 81.4 in Academic Reputation. Further, the Institute scored 23 in Citation Facility and 44.7 in Facility Student Ratio. Regarding Staff with



[IIT Bombay launches certificate courses in digital transformation and power electronics](#)

In partnership with edtech platform Coursera, IIT Bombay has launched two new certificate programmes - digital transformation and power electronics and motors for electric vehicles (EVs). These programmes will help learners gain technical, managerial, and leadership skills. The interested candidates can enrol in

Ph.D., IIT Bombay secured 100 marks, and the Institute secured 84.2 in Papers Per Faculty, 11 in international faculty, 78.5 in International Research networks, 14.5 and 8.3 in Inbound and Outbound Exchange.

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both programs until November 19, 2021. Four-month-long digital transformation certification, with live lectures, is designed for non-IT managers leading digital transformation initiatives.

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Tech Nuggets



[IIT Bombay Professor invited by CERN to discuss Future Intelligence](#)

Prof. Pushpak Bhattacharyya was invited by CERN - the European Organization for Nuclear Research - at Geneva to the first edition of Sparks! - the serendipity forum at CERN - to discuss the future of AI. The event called "Future Intelligence" took place on 17th & 18th September 2021. It saw 50 key academics & researchers along with neuroscientists, philosophers, ethicists, & decision-makers deliberate on the direction & limitations of the current AI. This is leading to delivering an influential report driven from the discussions.

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[Prof. Udayan Ganguly and team win the Dr. PK Patwardhan Technology Development Award](#)

Prof. Udayan Ganguly and his group from the IIT Bombay have developed a hardware-based encryption system to safeguard data storage and e-commerce and banking transactions. IIT Bombay has awarded their innovation the Dr. PK Patwardhan Technology Development Award. The award, instituted in 2001, recognises the best technology developed by a team from IIT Bombay. The award is given in memory of Dr. P.K. Patwardhan, the legendary solid-state electronics engineer from Bhabha Atomic Research Centre.

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[Solar Diyas By IIT-Bombay Professor Will Spread Light and Message Of Sustainability](#)

Prof. Chetan Solanki from IIT Bombay introduced solar diyas to celebrate the festivals of lights without harming the environment. He is known for his various innovation in the solar field. The solar diyas aesthetics are precisely like the traditional lamps. The shell of the solar diyas is made of plastic and has a solar panel on top of it.

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[IIT Bombay, Max-Born Institute Team Say Graphene Valleytronics Could Enable Room Temperature Quantum](#)

A research team from the IIT Bombay and Max-Born Institute of Germany have published a study on a novel approach for encoding quantum information: valleytronics. The team of scientists say that they have achieved a breakthrough in valleytronics that opens up the road to taking quantum computers to room temperature operation.

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Institute Highlights

Highlights

KENDRIYA VIDYALAYA IIT POWAI TO GET A NEW WING THROUGH GENEROUS CONTRIBUTION BY SHARMA FAMILY WHO ARE SCHOOL ALUMNI



Highlights

SOFTWARE TECHNOLOGY PARKS OF INDIA (STPI) AND SINE – IIT – BOMBAY SIGNS MOU TO STRENGTHEN START-UP ECOSYSTEM

Alumni Initiative



IIT Bombay establishes Dr. P.V. Sukhatme Chair Professorship to honour research and teaching

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PROJECT UDAAN

IIT Bombay restores faith in multilingual students with the support of Project Udaan

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Faculty Interview



Prof. Rohit Srivastava crosses the Valley of Death successfully

While battling the pandemic, the world has witnessed the immense power of healthcare technology and its importance in the current times. The times also revealed stark reality in the healthcare industry and a need for affordable healthcare technology in our country. Our country scientists must bridge this gap and create a sustainable healthcare ecosystem.

One of our own, Prof. Rohit Srivastava, has been working for decades to bridge this gap and create affordable healthcare for the ones who need it the most. Prof. Rohit Srivastava was recently awarded the prestigious Shanti Swarup Bhatnagar Prize for Science & Technology – 2021.

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In conversation with Alumni



[Dr. Prasad Modak: IIT Alum who walked the road less travelled](#)

Climate Change is real! The world has now joined together to combat Climate Change and create a better sustainable ecosystem for future generations.

Our Alum – Dr. Prasad Modak, who completed his B. Tech in Civil Engineering and M. Tech in Environmental Science and Engineering, has significantly contributed towards creating a sustainable future.

Dr. Modak is currently serving as Executive President at Environmental Management Centre LLP. Recently, we had an insightful conversation with him about his journey in the domain of environmental science.

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Success Stories of IIT Bombay



**IITB Students from
CSE Dept. won
NeurIPS 2021
Reconnaissance
Blind Chess**



**APEKSHA
FERNANDES
SHINES WITH
NEW NATIONAL
RECORD**



IIT Bombay Aligned with COP26 Goals

COP26



Upcoming Events

JOIN US FOR...

National Education Day Celebration

Thursday, November 11, 2021

3.30 PM TO 4.30 PM

CHECK NOW

Student Research activities at IIT Bombay

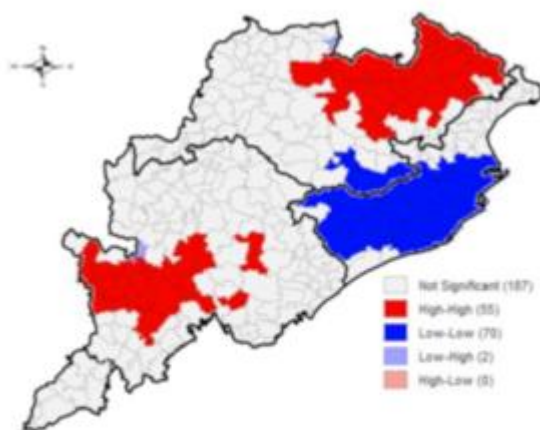


Fig 2 b: Univariate LISA cluster map for children underweight, block-wise, Odisha CCM II

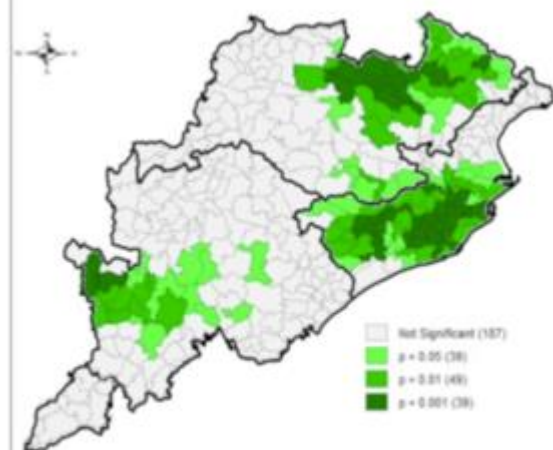


Fig 2 c: Univariate LISA significance map for children underweight, block-wise, Odisha CCM II

[Understanding the Contours of Children Undernourished in India: An Odisha Case Study](#)

Name: Apoorva Nambiar (*IITB-Monash Research Academy*), Satish B Agnihotri (*IIT Bombay*), Ashish Singh (*IIT Bombay*) and Dharmalingam Arunachalam (*Monash University, Australia*)

Child malnutrition is of serious concern with alarmingly high rates in low- and middle-income countries, including India. During the past few decades, India has made considerable efforts to understand the determinants and factors associated with child malnutrition. However, the availability of data and its analysis at the micro-level pose a challenge. There is a strong need for micro-level data and the integration of Geographic information system tools to identify pockets of low and high levels of malnutrition and understand malnutrition nuanced. These tools have a greater role to play by providing novel ways to understand the problem and fetch solutions at all levels.

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