

Department of Electrical and Electronics Engineering

TEDx Talk

(RECORDED)

12 Predictions for the Future of Technology

17 October 2024

① 4:00 PM - 5:00 PM

? Room No: B201

ண 3rd Semester A and B sections

Speaker: Mr. Vinod Khosla

How to Harness Abundant, Clean Energy for 10 Billion People

18 October 2024

4:00 PM - 5:00 PM

Room No: B203

5th Semester A and B sections

Speaker: Mr. Julio Friedmann

A Faster Way to Get to a Clean Energy Future

18 October 2024

3:00 PM - 4:00 PM

Room No: B205

7th Semester A and B sections

Speaker: Mr. Ramez Naam



Faculty Coordinator:

Ms. Kavitha C H

Senior Assistant Professor, EEE

Convener:

Dr. Sakthivel Aruchamy

HoD - EEE





Department of Electrical & Electronics Engineering

7th SEMESTER / A & B SECTIONS

A Faster Way to Get to a Clean Energy Future

Speaker Mr. Ramez Naam Room No. / Faculty Coordinator B-205 / Prof. Kavitha. CH



3:00 pm - 4:00 pm







A Faster Way to Get to a Clean Energy Future

- Mr. Ramez Naam

Date: 18 October 2024

Venue: B-205 Faculty Coordinator

Timings: 03:00PM - 04:00 PM Mrs. Kavitha C H



- Mr. Ramez Naam

Ramez Naam is an American technologist, science fiction writer, and expert on energy and the environment. He is best known for the Nexus Trilogy, a series that delves into the potential and risks of human mind-linking technology. Naam has also written non-fiction works such as The Infinite Resource: The Power of Ideas on a Finite Planet and More than Human: Embracing the Promises of Biological Enhancement. He currently serves as co-chair for energy and the environment at Singularity University and is an adjunct professor at the institution, lecturing on energy, environment, and innovation.

Born in Cairo, Egypt to a Coptic Christian family, Naam immigrated to the United States at the age of three. He had a distinguished 13-year career at Microsoft, leading teams that developed key technologies like Outlook, Internet Explorer, and Bing. In addition to his tech career, Naam has also worked as a lifeguard, showcasing his diverse life experiences.

Throughout his career, Naam has made numerous media appearances, including on MSNBC, Yahoo! Finance, and Reuters.FM. His work has been featured or reviewed by major publications like The New York Times, The Wall Street Journal, and Wired. His book Nexus was recognized as one of NPR's best books of 2013, highlighting his significant impact on both technology and science fiction.

SUMMARY:

The video talks about clean energy technologies and their cost decline. It mentions that the cost of solar power has dropped by a factor of 40 over the last few decades. The cost of wind has dropped almost as much. It also mentions that the cost of batteries that power electric vehicles and grid energy storage has dropped at the same pace or faster than the pace of solar. The speaker argues that we need to build out the grid to achieve a faster transition to clean energy. He also mentions that the Inflation Reduction Act may not manifest if we can't accelerate the pace of building transmission.

Key ideas included:

- -The cost of clean energy technologies has declined exponentially over the last few decades.
- -Clean energy is a technology and it drops in cost like technology as they are scaled.
- -We need to build out the grid to achieve a faster transition to clean energy.
- -The Inflation Reduction Act may not manifest if we can't accelerate the pace of building transmission.
- -A deal that makes it easier to build even if to get that bill passed, we need to make it a bit easier to build some fossil infrastructure.







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Department of Electrical & Electronics Engineering

ATTENDANCE SHEET

Event: How to Harness Ahundant, dean Freezy for 10 Billion People

Date: 18/10/2024

S. No.	Name of Participant	Student / Staff	Department	Signature
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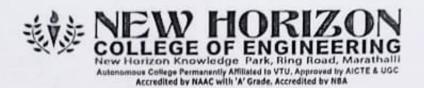
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Department of Electrical & Electronics Engineering TEDx Talk -Report 2024-25

Sem/Sec	Room Number Faculty Coordinator	Date	Time	Topic	Link
V/A&B	B-203 Prof.Kavitha.C H	18.10.2024	4.00pm- 5.00pm	How to Harness Abundant, Clean Energy for 10 Billion People	https://www.youtube.c om/watch?v=bwElqjU 2qgk

NAME: Dhanya Shici . S	
USN: 1NH22 E E O 4 O	
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SIGNATURE OF STUDENT : Q4	

TEDx Talk Report

As the global population approaches to billion by 2050, the demand for Enogy will increase Significantly Simulaneously, addressing climate change and reducing Carbon emissions are critical to Ensuring a Sustainable future. To meet this dual challenge, we must harness abandan E, Clean energy



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NAME: Bhuran gowda	
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TEDx Talk Report

We can produce abdundant sustainable & cheapenorgy. for the world, everyone, says physicist Julio Friedmann. He explores the Infrasture, Innovation & Investment needed supply enorgy to 10 Billion people, offering case studies from childs refurbished Supply chain, built in pasitnership with Japan, to Namibias budding clean hydrogen production, Inviting us to envision a greener, morcequaitably powered worked Amazing simplified complex ideas are showed hereard werently another constrant in this Video,



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USN: INHOSEEDDI	
SEMESTER/SECTION: 5'A'	
SIGNATURE OF STUDENT : O A A A	
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TEDx Talk Report

The speaker introduces by starts the talk with current energy problems as usell as green house gers consision He also talks about actioning prome por energone area increasing the amount of humpul goes to 10 billion people. The speaker expresses the need to use more solar power plonts - 5 and shows a few examples of the same including Chile, Kenya and so on. He emphasions on I we need more The importance of projects corrising up in Africa was also mudianed. I Alto from is as need for innovation like theop, reliable and so on. Towardment is also important auer her which will be really useful for court places like tapon, chibro. and play a buge role, Overall it was a good talk about homesing energy.