

[Scdt] SCDT-FlexE Centre Weekly Tuesday Seminar-06.04.2021 at 7:30 PM

1 message

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Wed, Mar 31, 2021 at 11:22 AM

Zoom Meeting for joining the webinar:

<https://zoom.us/j/99863678964?pwd=ZVJvdFN5T1UyQjdZbmXwS0htRUJOUT09>

Meeting ID: 998 6367 8964

Passcode: 064022

Dear Colleagues,

I would welcome you to attend the SCDT-FlexE Centre Weekly Tuesday Seminar by Prof. Amitabha Bandyopadhyay next Tuesday evening.

During early stages of the on-going pandemic, many enthusiastic scientists and engineers sprung into action to address the needs of the society and the country. Even our colleagues at SCDT-FlexE Centre came up with gadgets that are still being used for the benefit of the general public. At SIIC, IIT Kanpur, a consortium got formed with partners around the country to build ventilators which was the need of the hour. This inspiring success story is the topic of Prof. Bandyopadhyay's talk. A copy of the book "The Ventilator Project" which documents how the consortium built a world-class product, is placed in the FlexE Centre library for those interested. The details of the seminar (to be given in webinar format) are given below:

Title: "Making of NOCCARC V310 ICU Ventilator"

Date: 6th April, 2021 (Tuesday)

Time: 7:30 PM to 8:30 PM

Presentation will be on zoom. The link is given above.

The talk abstract and a brief bio of the speaker are given below. Please join if you are in a position to do so.

With regards
S.K.I.

Abstract of talk sent by Prof. Amitabha Bandyopadhyay:

In this talk I will elaborate the journey starting from March 16, 2020 to June 19, 2020 how a group of young IIT Kanpur alumni and a set of seasoned business mentors achieved the seemingly impossible - developing and starting large scale production of a state-of-the-art ICU ventilator in just 90 days. I will highlight the challenges, the engineering brilliance of our graduates and the constructive role the Government played in the whole process.

I will end with a set of lessons that we have learned through this project which may be implemented in many new theaters to usher in an era of manufacturing excellence in India.

About the Speaker:

Amitabha Bandyopadhyay is the Kent Chair professor in the Department of Biological Sciences and Bioengineering of Indian Institute of Technology Kanpur. Amitabha earned BSc in Chemistry from Presidency College, Calcutta and MSc in Biochemistry from the Calcutta University. Amitabha Bandyopadhyay conducted his doctoral research in the laboratory of Prof. Umadas Maitra at Albert Einstein College of Medicine in New York. Upon receiving his PhD, in 2002 he joined the laboratory of Prof. Clifford Tabin at Harvard Medical School for his post-doctoral research. He joined the faculty of Biological Sciences and Bioengineering of Indian Institute

of Technology Kanpur (IIT Kanpur) as an assistant professor in 2006. Since July, 2018 Amitabha serves as the Professor-in-charge of Innovation and Incubation and runs the Technology Business Incubator of IIT Kanpur. From January, 2021 Amitabha is a member of the National Startup Advisory Council. He has recently co-authored a book titled, "The Ventilator Project: How the IIT Kanpur Consortium Built a World-class Product during India's Covid-19 Lockdown" chronicling the extraordinary journey of a group of young IIT Kanpur alumni developing an ICU ventilator in 90 days.

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