

# Spoken Tutorials

A tool for IT education and empowerment of the unreached

Dr. Kannan Moudgalya, IIT Bombay

A Spoken Tutorial is a **ten minute long audio-video tutorial**, created for **self learning** through a design process. The spoken tutorial methodology has been developed by Dr. Kannan Moudgalya to promote educational, scientific and engineering software and **to improve Information Technology (IT) literacy**, all **using open source software**, thereby, enhancing the employment potential. The tutorials have also been **dubbed into 22 Indian languages** and can reach a wide audience.

The Spoken Tutorial approach has helped train 26 lakh college students in India. Spoken Tutorials are now used offline in about 20,000 lab courses in more than 3,000 colleges all over India, as a part of their curriculum.

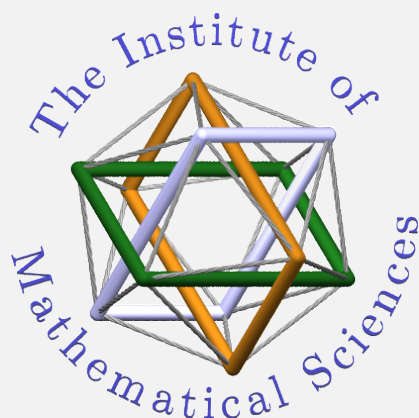
Spoken Tutorials is funded by the National Mission on Education through ICT (NMEICT), MHRD and is available **free of cost** making them the **largest collection of IT training material**, accessible to even non English speakers of all ages.

The talk will outline an approach to improve the modelling and simulation ethos in the country, by focusing on chemical process simulation, and how it will be useful to the profession and the industry.

Dr. Kannan Moudgalya is a professor of Chemical Engineering, Systems and Control, and Educational Technology, at IIT Bombay. He works in the areas of modelling, simulation, control, and educational technology.

Prof. Kannan is now devoting his time on spreading education on a massive scale, without quality dilution. He has been focusing on spoken tutorials, open source software systems, virtual labs and affordable tablets and laptops.

The Spoken Tutorial project received the best prize in the Reimagine Education Award 2015, instituted by QS and Wharton School, in the Nurturing Employment category. Prof. Kannan received the Google MOOCs Research Award for developing the offline capability in Spoken Tutorials.



**16:00 - 17:15**

**Thursday, 2nd February 2017**

Ramanujan Auditorium,  
Institute of Mathematical Sciences

IV Cross Road, CIT Campus, Taramani,  
Chennai, Tamil Nadu 600113

<http://www.imsc.res.in/>

Light refreshments will be served directly following the lecture.