



## Webinar for Students

by

Department of Mechanical Engineering

Dr. B.C. Roy Engineering College

Durgapur

### Steam Turbine Cycle: *basic construction and thermal calculation*



*Resource Person*

*Mr. Suman Mukherjee*

Manager, Thermal Engineering  
Siemens Ltd.

15<sup>th</sup> May 2020, 3:00 pm - 4:30 pm [IST]

For Registration: <http://forms.gle/aeCZhihw8nAAT5hV7>

(Only 60 students will be able to participate in **First Come First Serve** basis)

Registration link will be opened on 13.05.2020

Webinar for Students  
Organised by  
Department of Mechanical Engineering,  
Dr. B.C. Roy Engineering College, Durgapur  
on  
Steam Turbine Cycle:  
Basic Construction and Thermal Calculation  
Resource Person  
Mr. Suman Mukherjee  
Manager, Thermal Engineering  
Siemens Ltd.

15th May 2020, 3:00 pm - 4:30 pm [IST ]

The Webinar was organised on 15th May, 2020, from 3 pm to 4:30 pm in Zoom online application. Taking students and faculty members together, there was about 66 registrants in which about 60 were students. The Webinar started with introduction of the resource person to the participants by Prof. Dr. Chandan Chatteraj. Overall coordination was done by Prof. Dr. Arijit Banerjee. The speaker is a first batch (2003-2007) graduate of Dr. B C Roy Engineering College, Durgapur. The contact was made possible due to the Head of the Department, Prof. Dr. Kanchan Chatterjee. The speaker is presently the Manager in Thermal Engineering Division, Siemens Ltd. He has almost thirteen years of vast industrial experience which includes starting his corporate carrier as a Design Engineer in Alstom, then switching to Larsen & Toubro as System Design Engineer, and finally in his current position for last 9 years. Moreover, for last three years Mr. Mukherjee is working in his own Buisness project, developing a Global Buisness Platform collaborating with Microsoft. He considers himself a true believer of Swami Vivekananda.

He has a very good experience which really matters in the technical fields. He communicated his technical knowledge, field-work experience, design related matters very well before the would be engineers. The talk included deign aspects, operation and maintenance of steam turbines for different ranges of its operations. Steam turbine is a prime mover which moves the electrical generators or alternators for producing electrical power. That process was nicely explained. Steam turbines are not only installed in plants to produce power for sell. It is also used as part of process industries like sugar industry to crush the sugarcane and other and captivating power production requirements for running different electrical systems like pumps etc. These real life experience was explained in details before the students. What will be the power, type and corresponding size of the steam turbine for different fields according to their uses was mentioned very well. He divided his speech in several sections and allowed the students to interact between two sections. The students got enough chances to clarify their doubts. They raised important queries and he addressed all those nicely. Due to shortage of time he covered only the steam turbine. The wind, water and gas turbine parts can be covered in future such interactions, he mentioned.

This session continued up to almost 4:40 pm and ended with a vote of thanks by Prof. Dr. Banerjee.

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