

Bharatiya Vidya Bhavan's
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Expert Lecture on

Power Plant Engineering & Management

by **TESA-SPCE** under **TEQIP-III**

TESA-SPCE organised a one day program of expert lectures titled '**Power Plant Engineering and Management**' under TEQIP-III on **08 May 2019** at Seminar Hall-119, SPCE. **Mr. Pavan K. Sharma**, Asst. Vice-President (Operations), Adani Dahanu Thermal Power Station, Dahanu delivered the lectures in the academic interest of students of Final Year B.Tech. (Mech.), Sem-VIII.

The program was inaugurated by **Prof. Dr.M.M.Murudi**, Vice-Principal and Head of Civil Engineering Department, SPCE. He appreciated **TESA-SPCE** for its continuous efforts of organising various activities for the academic benefit of students of Mechanical Engineering Department. **Prof. Dr.Nilesh Raykar**, Head of Mechanical Engineering Department, SPCE welcomed the guest speaker and also extended his valuable guidance to the gathering of students of Mechanical Engineering Department.



The expert speaker **Mr. Pavan K. Sharma**, Asst. Vice-President (Operations) had a prolonged and profound experience of over 20 years of thermal power plant operations with Dahanu Thermal Power Station (now Adani DTPS), Dahanu. The first lecture in first half session by Mr. Pavan K. Sharma was on "**Power Sector Scenarion in India**" which has given the clear picture of energy demand, generation capacity of various types of power plants in India.





The next lecture in first half session by **Mr. Pavan K. Sharma** titled **“Coal to Electricity”** which has explained in details the sequence of steps involved from procurement and blending of coal to generation of steam and electricity in thermal power plant. The lecture also highlighted the facilities of power generation at Adani DTPS, Dahanu.

The session in second half started with lecture by **Mr. Pavan K. Sharma** titled **“Power Plant Operations”**. The lecture specifically was emphasizing the process of coal firing, steam generation, turbine and condenser operations, air pre-heaters, economizers. The details of pollution in thermal power plants in general and specific pollution control measures at Adani DTPS such as Electrostatic Precipitators (ESP), Flue Gas Desulphurizer (FGD) etc. were explained in details.



The concluding lecture of the session and the program was on **“Fluidized Bed Combustion”** which was the novel topic for discussion. The lecture elaborated the principle of operation, features of construction and applications of fluidized bed combustion technology. The lecture was delivered by **Mr. Malakari Pujari**, Manager (Operations), Adani DTPS, Dahanu.

This program of lectures series was attended by 40 students of B.Tech (Mechanical), Sem-VIII for their academic benefit. Student Co-ordinator of **TESA-SPCE**, **Divyesh Jilka**, took great efforts for successful organization of this lecture series program. The program was concluded with question- answer session and vote of thanks by **Prof. Parag Muley**, Faculty Advisor, **TESA-SPCE**.

