



DEPARTMENT OF MECHANICAL ENGINEERING

ACTIVITY BASED LEARNING

ACADEMIC YEAR 2020-21

Course Code & Course Title : ME8792/POWER PLANT ENGINEERING
 Year/Sem/Branch : VII/IV/MECHANICAL
 Name of Faculty : P.SUBBURAM
 Designation : ASSISTANT PROFESSOR
 Unit Title : DIESEL GAS TURBINE AND COMBINED CYCLE POWER PLANT
 Topic : DUAL CYCLE
 LO : Explain the different heat power cycle, working principle of modern steam, Diesel, Gas and Combined cycle power plants with layout.
 Bloom's Taxonomy Level : Understand – K2

S.No.	Title	Description
1	Concept	To make the students Understand different heat power cycle, working principle of modern steam, Diesel, Gas and Combined cycle power plants with layout.
2	Challenges Faced	(Difficulties faced by students while it was taught in conventional method) <ul style="list-style-type: none"> In conventional method, students were not able to understand the concept and its importance completely. The students become less involved in knowing about the concept.
3	Name of the Activity	Video based learning
4	Description of the Activity	<ul style="list-style-type: none"> Introduction about the topic and video shown and explain about the efficiency of dual cycle and mean effective pressure
5	Feedback from Learners (Consolidated)	<p>The session is good and it is very useful. The teacher said a video and told us to see the video on home. The video was very interesting. The concept and the steps were clarified good in the video. It is very useful to understand after teaching. The lesson and time. The video is well good in content and video quality. The way of teaching is good.</p>

5	Feedback from Learners (Consolidated)	<p>The Session is good and not as very useful the session send in video and told us to see the video on being the video we have understood the concept and the steps was derived good in the video. It is very useful to understand after teaching the lesson and same. The video is well good in audio and video quality. The way of teaching is good.</p> <p style="text-align: right;">12/11/21</p>
		<p>Teaching is very good. Concepts is very understandable. Videos is very useful for our end semester exams for reference.</p> <p style="text-align: right;">5/5/21</p> <ul style="list-style-type: none"> - Videos Quality was a bit low [Explanation was good] - It was additional beneficial for our college students, that management where providing videos or visual lecture classes through moodle. - moodle is very helpful for improving the subject knowledge.
		<ul style="list-style-type: none"> - The way in teach in video was good and easy to understand. - Audio and video quality is good. - Its easy to clear doubt by seeing the video at anytime. <p style="text-align: center;">1 2 3 4 5</p>
		<p>This is easy subject to learn easily. They are able to clarify their doubts in a proper manner. Online classes give students the opportunity to plan study time around the rest of their day. Students can study and work at their convenience.</p> <p style="text-align: center;">1 2 3 4 5</p>
6	Feedback of the Faculty about this activity	<p>(Previous experiences Vs Activity Based Teaching)</p> <ul style="list-style-type: none"> • Students were able to understand the practical application of Dual Cycle and its importance. • It helped them to know more about the topic (outside the syllabus)

Analysis Report Chart.

- Above 90% students found Video based learning was interesting
- More than 85% of students rated above '4' for Video based learning

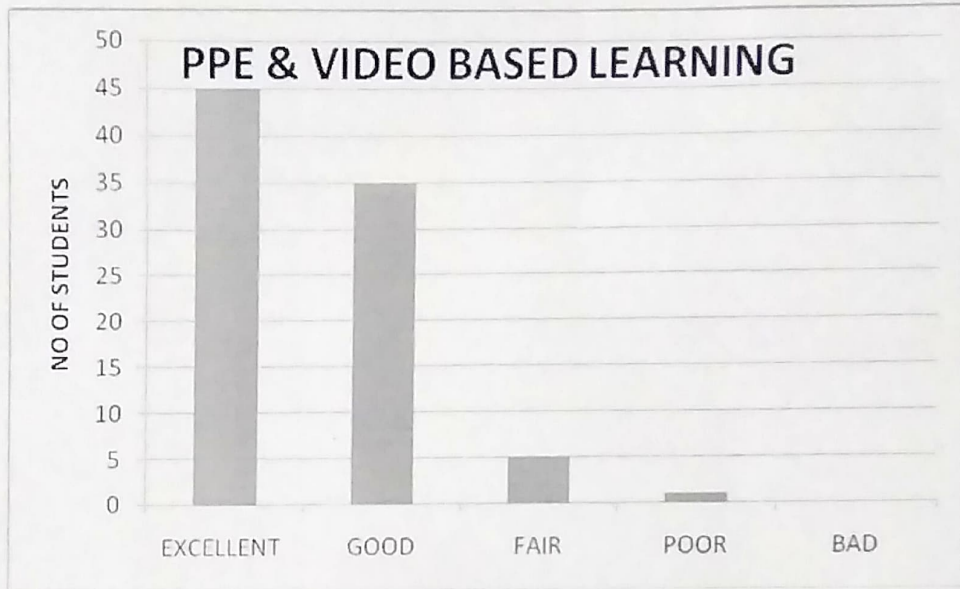


Fig-1 : Whether VIDEO BASED LEARNING was interesting

Phaneva

Signature of the Course Faculty

[Signature]
Signature of HOD

Evidences/Proofs (To be attached along with this document)-Mandatory

SL. NO	CONTENT	LINK
1	Video link	https://drive.google.com/file/d/1HzXMTunhwbqTMFMMXpHGCzS7M-eS/view?usp=sharing