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LMISTE, FIETE, SMIEEE

Principal

## **DEPARTMENT OF MECHANICAL ENGINEERING Teaching Learning Innovative Report**

Name of Method	: Flip Classroom Activity; BE Mech IE (Elective-3) Course_Sem 2_ March_2021_22
	Flip class room activity: in this activity YouTube video link of my channel shared to
	students through IE course WhatsApp group.
	<ul> <li>Instruction given to them to watch, write notes.</li> </ul>
	<ul> <li>Instructions given to present / explain what you learned from video with your</li> </ul>
	thought process in the classroom.
Description	Value Engineering & Value Analysis
Description	Design Thinking: Value Engineering & Value Analysis? Part 1
	https://youtu.be/my86PQ0OQVo
	Design Thinking: Value Analysis_ Vale, Cost & Function Part 2
	https://youtu.be/TgLgyjPa-v8
	Design Thinking: Value analysis Steps in Value Analysis Part 3
	https://youtu.be/JC48oFFEOQI
Suggested/Developed	By : Dr. Prakash Kadam
Reproduced By	: Dr. Prakash Kadam
Implemented From	w.e.f. 21st March 2022
Outcome	Students ability to analyze learning material, write on paper & Presentation & communication skill, Leadership Skill, Knowledge improved.
	TPS, Role Play, Four Board Method, Flip Classroom, Peer Learning, Game Pedagogy,
Innovative Technique l	Extempore, Jig Saw
Sear	ch
Evidences	
Higher PLWAL	Vesign Inning. Value per 180
Industrial Enginee Unit 2: Method St Value Analysis & Contended	Udy; Value = Design Thinking: Value Engineering & Value Analysis? Part 1 Value = Value Engineering & Value Analysis? Part 1 Value Engineering & Value Analysis? Part 1
Engineering 11 videor + 526 views - Last u 16, 2027 Public ~	= Contraction and Contraction
C A - ··· Learning Outcomes of Work s After completion of this visco	Wale Engineering & Value Analysis Design Thinking: Value analysis_Steps in Value Analysis Part 3 Value Analysis Part 1 Value Analysis Part 1 Value Analysis Part 1
able to understand and learn Understand concept of work- Justify work study as a tool to productive. S scope o Describe objectives 5 scope o	nazy Improve Improv



Name: Pavan S. Patil		
	- value Engineering : In field of value investi-	And and and and
	Dividing into Four rypes:-	Vicky Mannawore - 4 246
- Value Engineering e value Analysis 1-	Juse value	IE- 21/03/2022 Per HD
- Ingineering exalue Analysis:	2) Esteen value	Contraction of the second seco
These is	3) Cost value	Value Engligeering & Value Analysis.
These has terms are as synonymous but difference have a synonymous	4) Exchange value	
but d'élérence bein chemis	a) Lacharige varia p.	o Value Analysis &
- value analysis is applied to existing product.	P	It is applied to the existing product with
with a view bimprove its value	Dusevalue : It a measure of properties	a view to improve its value. It is analysis
thus it is analysis after birth of product	quality and features which make the	a orecto in informe it's value. It is analysis
thus it is remedial procedure.	product accomplish a use obstor.	ofter birth of product. Remedial procedure.
	Service.	Y
- Value Fraince	2) Esteem value; - properties which makes	o value Engineering:-
- Value Engineering 1's applied to produce	issien value, properties and in all	It is applied to the product at the design
at design stage	the oconership of anoduct or object with	stage and thus it is easily stage preventive.
thus it is preveotive process.	very desirable.	process.
•		pacess.
- value analysis:	3) Cast value :- It is measure of sum of all	
value analysis originated from 11nd world	costs incurred in producing product.	o Value Apolysis =
war due to stortage of essential material	casis incarred in producing produce	o Improve the product with lower cast.
- La wrence D. miles was 1 St to develop		
with winds was I to develop	post value - raw-material (+labour	o value Engineering ?-
with scientific approach etechnique and	cost + rool cost +	
name it saved \$200 million over it years		It is a design thinking - function oriented,
	overhead expended	and stakeholder - inclusive apparet to innovation
- value Analysis is one of the major techniques	to produce the product.	and problem salving that can drive the improvement
of cost reduction and contral contract		Ong paper of country into con con
maduction is a standard contract	4) Achange value	a your system.
reduction in quality, performance F	4) Exchange value - properties that makes	
appearance, reliability.	the object or product possible of being	- Value Anolysis 3-
1.	trades for other items.	After and woold war due to shortage of
When to apply :- VA :-	applarance	After and world was and a granding of
NCompany	in the second of the second se	essential material this is originated.
O Company's products are loosing in the market		I among D miles - BT -> Stated produce
and the subsche in calar	Value, function	(awgence o norse - how And CO. (DSA)
2) -11- are priced higher than		over 17 years> team OI-E.CO. (USA)
the competitors.	) value can be increased kalue cost	e without damaing
		where a make a quality
s) New design of products being undertacen	by Dioben we reduce cash	with 1000 cost> quality
undertaten	2) when we improve funct?	Lo reliability
	8) Roth the 10 2022/2/21 11:40	-> Peofermonice
	3) 80 th the cond ? 2022/3/21 11:48	-) remann(e,





Dr. Prakash Kadam] Developed By

[Dr. P.A. Patil] HOD, Mech. Engg, Department