(305)	Engineering Economics Notes 1
	Chapter-1 5/10/23-7h
	chap # 1: Introduction to
	Engineering Economics.
->	Economics is a Social Science
	Concern with Production, Distribution
	and Conscimption of Groads and
	Concen with production, consumption
	and transfer of wealth.
$\rightarrow$	Types of economy are:
	* Communism
	* Capitalism
7	Engineering economy is The discipline
	concerned with the economic aspects
	of engineering and invalues the
	systematic evaluation of the coss
	and benifits of proposed technical
	and business projects and ventures.
	Calabata Cada Canada
3	Cost consideration and corrupartions
	are fundamental aspects of engineering practice.
4	

(D)	
Salar Salar	The high interest is an in the control of the shadow of the control
1.3	Problem analysis: Problem difinition:
	Problem analysis:
	Problem définition:
	problem recognition, definition
	and evaluation, need, requirments,
ii)	Develop the alternatives:
	other possible actions, alternatives,
	choices, identify and define is.
iii	Focus on differences:
	only compare differences, of alterating
(vi	Use a consistent view points
	define and evaluate from a fixed
	prespective eig cost, time, effortet
(v)	Use a common unit of measure:
	common with make analysis and
	composison much easier
(iv	Consider all relevent criteria:
	single or multiple objectives,
	repotation, client satisfaction,
	sustainability etc.
vii)	Make uncertainity emplicit:
	risk? into about uncertaining
	scenarios7 probabalities?
(ins.	Revisit your decision!
	results may be significantly
	different from initial estimates.
	Danning from and adopting
CHARLES !	

		3
y.	based on our experience	704 1000
	is essential and indicator	
7	of good organisation	
1.4	Engineering Economy and the	2
	design process: Engineering design is an	
	iterative, decision making a	tivity
-	whereby scientific and technal	Dogical
	information is used to prod	
D.	a system, device, or a proces	
1	which is different in some	
	knows to have been done b	
	and which is meant to n	
	the human needs, economic	
	San	0
- 1)		
	recognoised and stated in empl	erstood,
detiveg		Jeit
	form.	
(ii	Search for alternatives; out	4540)
	developing or screening	
	the potential alternatives or	
	group of feasabl afterno	utives
	group of feasabl alternation detail analysis and con	panson.

iii) Development of prospective (precises)  actionics:  callect all relevant information,  momentary information (attributes)  often play a significant rale  in final recommendation.  iv) Selection of decision criteria  and analysis of alternatives:  v) selection of preferred alternatives:  vi) Performance Monitoring and  postevaluation of Results:  1.5 Accounting and Engineering
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Economy Studies:
Design Danning
Profet (invested
Manfaturiy
Marketing