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Student un Student be Rubric	nderstand e able to a	ls the signifi	cance and basic f item based on the	unction of Two-st								
	1				ep optimization. ty Engineering.							
Evaluation	1											
Evaluation	1		Ideal Level of Achievement (Very Good)		Standard Level of Achievement (Good)		Unacceptable L Achievement (F	evel of ail)				
	Evaluation 1			Student be able to propose an experiment of Assessment of Functionality perfomability.		Student understands the meaning of Two-step optimization.		derstands the se factor.				
Evaluation 2			Student be able to devise a basic function.		Student be able to calculate the S/N ratio of Dynamic characteristics.		Student not be the S/N ratio of characteristics.	able to calculate f Static				
Evaluation 3					Student be able to prepare a Graph of factorial effects.		Student not be able to plan an experiment from the level allocated on an Orthogonal array.					
Assigned	d Depar	tment Ob	jectives									
Teaching	Metho	d										
Outline		2. This contracted 3. Student systems	rizes Parameter d nts are expected t by acquiring the o	esigns through pr to become engine concept of Parame	ers capable of an	-						
Style			and exercise by ar		ed on example que	estions on toyt	hook and through					
Notice		The reco	gnition of credit re	equires 60 points	or more rating.	estions on text	book and tillougi	exercise.				
Course P	Plan											
			Theme		C	Goals						
			xplanation of Syllabus ackground of Quality Engineering			Explanation of Syllabus Approach to Quality Engineering Robust parameter design (RPD) Two-step optimization						
		2nd				S/N ratio: Meaning and calculation						
,	1st	3rd	pproach to Parameter Design			S/N ratio and Sensitivity: Meaning and calculation						
	Quarter		nowledge required for Parameter Design			Control factor and Orthogonal array						
			nowledge required for Parameter Design			Noise factors and Compounded noise factors						
						Product development by Nominal-is-best response Approach to Dynamic characteristics and						
		7th	Knowledge requir	nowledge required for Parameter Design			calculation of S/N ratio					
1st Semeste		1					Product development by Dynamic characteristics					
	2nd Quarter	1.0+h		for Parameter Design of Dynamic								
				racadura for Parameter Design of Dynamic			<u> </u>					
			characteristics	naracteristics			Estimation of gain and confirmation run					
						Parameter design of Dynamic characteristic Parameter design of Dynamic characteristics						
			D			Definition of Functionality perfomability Assessment procedure fo Functionality						
			Term-end Examination			perfomability Approach to Parameter design						
			Review	2.00.1	<i>A</i>	Calculation exercise Answers of examination Review of achievement						
						uestionnaire o	n course					
Evaluatio	on Meth	od and W	/eight (%)		 			1				
	Exa	amination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total				
Subtotal	50		0	0	0	0	50	100				

Basic Ability	0	0	0	0	0	0	0
Technical Ability	50	0	0	0	0	50	100
Interdisciplinar v Ability	0	0	0	0	0	0	0