Mapping of ILOs of the Course MEP 449 to NARS of Mechanical Engineering

	a. Knowledge	& Ondersta	anung (as w	Intell below)		D	. intelle	ctual skill	ls (as writt	en below)			c.Practica	and Pro	ofission	al skills	as writte	n below)		d. Ge	(as writte	n below)
Course ILOs Category	a1 a2 a3 a4 a5	a6 a7 a8	a9 a10 a11	a12 a13 a14 a1	5 <mark>a16</mark> b1	b2 b3 b4	b5 b6 b7	b8 b9 b1	0 b11 b12 b13	3 b14 b15 b16 b1	7 b18 b19 b2	0 c1 c2	:3 c4 c5 c	c6 c7 c8	c9 c10	c11 c12	:13 c14 c1!	c16 c17 c1	8 c19 c20	0 d1 d2	d3 d4 d	5 d6 d7 d
MEP4006-Application of /irtual Labs in Mechanical	xxx	xxx	x x	XX	XX	x x	x x		x x		,	x	хx	x		x	x		Τx	x x	x x x	
Power Systems							^ ^	the t	1710-217		·			^		^	^		^			
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a- Knowledge and																						
On successful complet a1) Essential facts, fun		-	-		-				onstrate kno	owledge and	understand	ling of										
a2) Constraints that m							-	-														
a3) Concepts and theo	ories of basic scier	nces, mathe	ematics and	l technologie	es relevar	nt to Mech	. Power.															
a4) Business and man							al power	and energ	y engineer	ing applicatio	ns											
a5) The professional a a6) The impact of med				•		•	d context															
a7) Mechanical power					u 5.000. u	ina societa	in context	-														
a8) Relevant mathema														y enginee	ering sy	stems.						
a9) Basic theories and a10) Basics and role of					-	-		-				ergy disc	iplines									
a11) Engineering desig									wer and en	lengy enginee	3											
a12) Characteristics a								•														
a13) Methodologies o																						
a14) Quality assurance a15) Topics related to					-				ental issue	s												
a16) Fundamentals of			-						ntional, pro	ogrammable	ogic contro	ollers (PLC	s) and DCS	i.								
h Intellers 10	:11.																					
b- Intellectual Sk		mmo + 1	ont charles	ha ahla *																		
On successful complet b1) Solve engineering					/ systems	. compone	ents and a	elements i	n a creativ	e and innovat	ive attitud	e.										
b2) Apply appropriate													ineering d	esign pro	blems	to meet	certain r	eeds.				
b3) Solve mech. engin				•		radictory in	nformatio	on.														
b4) Analyze and inter		• •				rforman			rovomanta													
b5) Evaluate mechanie b6) Maintain a sound							es and pro	opose imp	rovements	j.												
b7) Assess risks, and c					inening teet																	
b8) Use principles of e						00 1																
b9) Create new engg. b10) Analyze the resu						ange of so	urces.															
b10) Analyze the result b11) Select appropriat				-		nd analyzir	ng proble	ms.														
b12) Select appropriat							•••															
b13) Think in a creativ																						
b14) Combine, exchan b15) Assess and eva	-			-	-	-																
b16) Investigate the fa					onents, s	ystems an	u process	563.														
b17) Select and app		oriate ICT	tools to	a variety																		
b18) Judge engineerin	g decisions consid	priate ICT dering bala	tools to nced costs,	a variety benefits, sa	fety, qual	lity, reliabi	lity, and		ental impa	ct.												
	ng decisions consid nomic, societal, en	oriate ICT dering bala wironment	tools to nced costs, al dimensio	a variety benefits, sa ons and risk	fety, qual managen	lity, reliabi nent in des	lity, and ign.		ental impa	ct.												
b18) Judge engineerin b19) Incorporate econ b20) Create systemati	ng decisions consid nomic, societal, en ic and methodic a	priate ICT dering bala wironment pproaches	tools to nced costs, al dimensio	a variety benefits, sa ons and risk	fety, qual managen	lity, reliabi nent in des	lity, and ign.		ental impa	ct.												
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