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present Tille				Project Title:			
Student name:				Student name:			
Student ID:				Student ID:	description	ABET	Assessment
Learning objective (LO)	description	ABET	Assessment	LO1: Implementing project	Identify design parameters as well as	Outcomes c, and/or	(rate from 1-10)
.01: Project identification and selection	Identifying a real engineering problem and the most relevant needs and operational constraints and analyze a project statement		(rate non rroy	LO2: Design analysis and/or experimental design	assumptions Carry out initial design calculations using modern engineering tools/ and or design of	<u>b</u> <u>c. k</u>	
.02: Background review	Collecting and reviewing related data such as technical information, regulations, standards, and operational experiences from credible ilterature resources and knowledge drawn from previous courses and information Coursine methodologics of interacting knowledge and	8.8		LO3: Performance parameters estimation and Optimized analysis of Design and/or experimental	experimental setup and use of its tools. Use modern engineering tools to estimate and/or to explain a reliable experimental setup for obtaining the performance parameters and	<u>c.k</u>	
03: Problem formulation	addressing realistic constraints (such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability), and generating possible design options and solutions			LO4: Evaluation of relevant constraints in particular environmental and health issues (5)	trade-off studies and a final optimized analysis Explain efficient measures to deal responsibly relevant constraints(such as: social, economical, beath and safey, manufacturability, sastainability,	<u>f. h. i</u>	
.04: Design objectives and evaluation	Lethning design objectives, design constraints, invasione or design viability, evaluation criteria of the final project, and reformulate the problem based on collected data.	2		LOS: Evaluation of analysis of	environmental, political and ethical constraints) Evaluate the project related realistic constraints	h. i. c	
.05: Project planning	Planning an appropriate an effective project work pain, using standard project planning techniques, to ensure project completion on time and within budget	2		design criteria (+)	and project success in satisfying the needs, criteria and operational constraints	and/or b	
.06: <u>Work attitude: a)</u> Contribution to lork and Taking responsibility	Demonstrate ability to achieve project objectives while acting as a effective member of a multidisciplinary learn	đ		LOE: <u>Work attitude; a)</u> Contribution to work and Taking responsibility	Demonstrate ability to achieve project objectives while acting as a effective member of a multidisciplinary team	le <u>d</u>	
.06: <u>Work attitude: b)</u> Valuing other iews and Conflict resolution				views and Conflict resolution			
	Supervisor assessmen	st: <u>70 marks</u>			Supervisor assessme	nt: <u>70 marks</u>	
	Semester work evaluation (written & ora	al): <u>20 marks</u>			Semester work evaluation (written & or	al): <u>20 marks</u>	
	Student peer assessment of work attitur	de: <u>10 marks</u>			Student peer assessment of work attitu	de: <u>10 marks</u>	
	Total Assessment	t <u>100 marks</u>			Total Assessmen	t 100 marks	
				Remarks:			



IE49 The assessment is base problem identification, be integrate the knowledge	6 Project-1 Examiner Assessment For id on learning objectives for part 1 of the p ckground review, and problem formulation (ur to formulate the problem), design objectives	m roject whi se of back , and wor	ch includes; iground and k plan, and	IE49 The assessment is base problem identification, but integrate the knowledge preliminary results if poss	7 Project-2 Examiner Assessment For ad on learning objectives for part 1 of the p ckground review, and problem formulation (us to formulate the problem), design objectives bile.	m roject whic se of backs , and work	h include ground a c plan, a
Project Title:	Die.			Project Tible:			
Student name:				Student name:			
Student ID:				Student ID: • • • • • • • •			
Learning objective (LO)	description	ABET	Assessment (rate from 1-10)	Learning objective (LO)	description	ABET Outcome	Assessn (rate from
LO1: Project identification and selection	Identifying a real engineering problem and the most relevant needs and operational constraints and analyze a project statement			LO1: Implementing project parameters and assumptions	Identify design parameters as well as assumptions	c. and/or b	
LO2: Background review	Collecting and reviewing related data such as technical information, regulations, standards, and operational experiences from credible literature resources and knowledge drawn from previous courses	2.0		LO2: Design analysis and/or experimental design	Carry out initial design calculations using modern engineering tools/ and or design of experimental setup and use of its tools	<u>c.k</u>	
LO3: Problem formulation	and information Covering methodology of integrating knowledge and addressing realistic constraints (such as economic, environmental, social, political, ethical, health and safety, manufacturability, and	1		LO3: Performance parameters estimation and Optimized analysis of Design and/or experimental	Use modern engineering tools to estimate and/or to explain a reliable experimental setup for obtaining the performance parameters and trade-off studies and a final optimized analysis Evaluar adfuset measures to deal generable relevant	<u>s.k</u>	
LO4: Design objectives and evaluation	sustainability), and generating possible design options and solutions Defining design objectives, design constraints, measure of design vability, evaluation criteria of the final project, and reformulate the amblity design of the final project.	2		LCA: Evaluation of relevant constraints in particular environmental and health issues (5)	constraints(such as: social, economical, beath and safety, manufacturability, matamability, environmental, political and ethical constraints)	<u>f.h.i</u>	
LO5: Project planning	Proteen cased on collected casa Planning an appropriate an effective project work plan, using standard project planning techniques, to ensure project completion	1		LOS: Evaluation of analysis of design oriteria (4)	Evaluate the project related realistic constraints and project success in satisfying the needs, criteria and operational constraints	h, i, c and/or b	
LO7: <u>Written communication skill: a)</u> Style, Formatting, organizing &	on time and within budget Communicate design details and express thoughts clearly and			Style, Formatting, organizing & language neatness	Communicate design details and express thoughts clearly and concisely, in writing, using necessary supporting material, to white desired understanding and empart	<u>a.k</u>	
Sergory reamess LO7:Written communication skill; b) Contents & References	concisely, in writing, using necessary supporting material, to achieve desired understanding and impact.	2.5		Contents & References	and a second of the set of the se		
LOB: Oral communication skill; a) Slide content, Styling, Organizing, Visual aid & neatness	Communicate design details and express thoughts clearly and			Side content, Styling, Organizing, Visual aid & neatness	Communicate design details and express thoughts clearly and concisely, orally, using necessary supporting material, to achieve desired understanding and impact. Oral communication includes	<u>g.k</u>	
LO8: Oral communication skill; b) Delivery skill & Audience response	 concerny, onery, using necessary supporting material, to achieve desired understanding and impact. Oral communication includes 	-		Delivery skill & Audience response			
	Assessmen	t : <u>90 marks</u>			Assessmen	nt : <u>90 marks</u>	-
	Examiner evaluation on project as a capstone design project	ot: <u>10 marks</u>		-	Examiner evaluation on project as a capstone design project	et: 10 marks	
	Total mark	: <u>100 marks</u>			Total mark	c <u>100 marks</u>	
Remarks:				Fremeriks:	abura		
External examiner name and sign:	ature:			External examiner name and sign	ator w.		
Coordinator name and signature:				coordinator name and signature:			





<u>Pro</u>	oject Sel	ection P	rocedure	<u>es</u>
الفصل الدراسي الثاني (1432 – 1433			لنخ ج	نلول الامتر العملية تسجيل مشروع ا
	ساط	<u>22</u> 1		رياري ، ان ري التوقيت
4	3	2	1	
			تحدي الممتحنين للمشاريع المسجلة في الفصل الحالي	الأمبوع الثالث
			الحصول على قوائم توقعات تسجيل الطلاب في الفصل القادم	الأسبوع الرابع
			محاضرة لتوضيح خطوات التسجيل لمتوقعي التسحيل في المثبر وع	لأسبوع الخامس
	بداية فترة تعبئة نموذج تكوين فرق عمل (أ)	إعلان قائمة بأسماء الطلاب المتوقع تسبيلهم لمقرر المشروع في الفصل القلام	حصر الطلاب المتوقع تسجيلهم لمقرر المثيروع فى الفصل القادم	الأسبوع السادس
		نهاية فترة تعينة نموذج تكوين فرق عمل (أ)	محاضرة عامة للأسانة لتوضيح ما هو المضمون المرجو من مشروع التغرج حسب "أبيت" Capstone Design According to ABET	الأسبوع السليع
	إعلام أعضاء هيئة التدريس الذين تم تحديدهم للإشراف على مشاريع للبدء في تعبئة نموذج مقترح مشروع	تحديد أعضاء هيئة التدريس المتاح لهم الإشراف على مشاريع	حصر عدد المشاريع المطلوية	الأسبوع الثامن
	•••••••		استلام نماذج مقترح المشروع من أعضاء هيئة التدريس	الأسبوع التاسع
			إعلان أسماء المثناريع ونماذج مقترحاتها للطلاب	لأمنبوع العاشر
تعبئة نموذج رغبات فرق الطلاب المتقدمين (ج) بتحديد ثلاثة فرق طلابية مترتبت أفضلية الاشراف	تعينة نموذج رغبات تسجيل مشروع (ب) بتحديد ثلاثة مشاريع بترتيب أفضلية التسحيل	أعضاء هيئة التدريس: الرد على استفسارات الطلاب فيما يخص المشاريع المقترحة	الطالب: دراسة المشاريع المقترحة ومناقشة أعضاء هيئة التدريس فيها	لأسبوع الحادى عثىر
			دراسة رغبات الطلاب وأعضاء هيئة التدريس وتنسبق فرق الطلاب وفقا للرغبات التي تم تحديدها في كلاً من تمويدم. (ب) و (ج)	الأسبوع الثانى عشر
			إعلَّن الفَاتَمةُ النهائية لفرق المشاريع متضمنة أسماء المشاريع المناظرة وأسماء أعضاء هيئة التريس المشرفين عليها	الأسبوع الرابع عشر
3-02-12			·	نة شؤون الخربجين ومشاريع التخرج



TE	Project Proposal Form (PPF) Content
	 Project Title: suggest title for the project (make it as short as possible)
	 Contact: The name of the contact or mentor for the student team. If the project is for a company please include that information.
	 Background: Brief explanation of the project, the needs, and drivers for this effort.
	 Objective: What is to be accomplished in the project?
	 System Requirements: state in broad and simple terms. The specific details will be established between the client and the team. 1) 2)
	 System Requirements: state in broad and simple terms. The specific details will be established between the client and the team. 1) 2)





Example of Realistic Constraint				
Area	Codes & Standards / Realistic Constraints			
economical				
environmental				
political				
social				
ethical				
health and safety				
manufacturabi lity				
sustainability				