

COE 485 Senior Design Project Progress Assessment Table

Course Learning Outcomes	Outcome Indicators and Details	Assessment Methods and Metrics	Weight	Score (1-5) 5=Highest	Comments
O2. Ability to design and conduct experiments, as well as to analyze and interpret data	<ul style="list-style-type: none"> Design and conduct initial experiments (including simulation and/or emulation) to explore the design space Collect, analyze and interpret initial data 	<ul style="list-style-type: none"> Progress demo 	1%		
O3. Ability to design a system, component, or process to meet desired needs	<ul style="list-style-type: none"> System design from high level specifications Design of some of the required components Implementation of an initial prototype 	<ul style="list-style-type: none"> Progress demo 	1%		
O4. Ability to identify, formulate, and solve engineering problems	<ul style="list-style-type: none"> Defining formal specifications from the problem statement Examination of different approaches 	<ul style="list-style-type: none"> Progress demo 	3%		
		<ul style="list-style-type: none"> Progress report 	2%		
O5. Understanding of professional and ethical responsibility	<ul style="list-style-type: none"> Meeting deadlines and proper planning 	<ul style="list-style-type: none"> Progress report 	1%		
O6. Ability to communicate effectively	<ul style="list-style-type: none"> Effectively communicate the project details orally Ability to clearly document the work 	<ul style="list-style-type: none"> Progress demo 	1%		
		<ul style="list-style-type: none"> Progress report 	1%		
O10. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.	<ul style="list-style-type: none"> Demonstrate the use of engineering software/hardware tools 	<ul style="list-style-type: none"> Progress demo 	1%		
O11. Ability to function as an effective team member.	<ul style="list-style-type: none"> Demonstrate team work skills in project planning, division of work, team leadership, etc. 	<ul style="list-style-type: none"> Progress demo 	2%		
		<ul style="list-style-type: none"> Progress report 	2%		