

Assessment Plan – Department of MMEM
BS in Sustainable Manufacturing

SLO	2017-2018	2018-2019	2019-2020	2021-2022	2022-2023
a. An ability to apply knowledge of mathematics and science to manufacturing systems			a. An ability to apply knowledge of mathematics and science to manufacturing systems		
b. An ability to apply manufacturing concepts in a capstone manufacturing project application			b. An ability to apply manufacturing concepts in a capstone manufacturing project application		
c. An ability to integrate contemporary computer applications and process automation including the use of sensors, actuators, and controllers to automate machines and processes		c. An ability to integrate contemporary computer applications and process automation including the use of sensors, actuators, and controllers to automate machines and processes			c. An ability to integrate contemporary computer applications and process automation including the use of sensors, actuators, and controllers to automate machines and processes
d. An ability to understand the economic, technical, and societal issues involved in manufacturing	d. An ability to understand the economic, technical, and societal issues involved in manufacturing			d. An ability to understand the economic, technical, and societal issues involved in manufacturing	
e. An ability to successfully function as team members in a manufacturing laboratory setting	e. An ability to successfully function as team members in a manufacturing laboratory setting		e. An ability to successfully function as team members in a manufacturing laboratory setting		e. An ability to successfully function as team members in a manufacturing laboratory setting
f. An ability to communicate technical matters effectively in oral form	f. An ability to communicate technical matters effectively in oral form			f. An ability to communicate technical matters effectively in oral form	
g. An ability to communicate technical matters effectively in written form			g. An ability to communicate technical matters effectively in written form		
h. An ability to communicate technical matters effectively in graphical form			h. An ability to communicate technical matters effectively in graphical form		
i. An ability to demonstrate project management, quality assurance methods, supply chain management		i. An ability to demonstrate project management, quality assurance methods, supply chain management			i. An ability to demonstrate project management, quality assurance methods, supply chain management

SLO	2017-2018	2018-2019	2019-2020	2021-2022	2022-2023
j. An understanding of the fundamental behavior of materials and the testing techniques used	j. An understanding of the fundamental behavior of materials and the testing techniques used			j. An understanding of the fundamental behavior of materials and the testing techniques used	
k. An understanding of contemporary manufacturing processes, particularly for parts consisting of manufacturing materials		k. An understanding of contemporary manufacturing processes, particularly for parts consisting of manufacturing materials			k. An understanding of contemporary manufacturing processes, particularly for parts consisting of manufacturing materials