Assessment Plan – Department of MMEM BS in Mechatronic Engineering

SLO	2017-2018	2018-2019	2019-2020	2021-2022	2022-2023
SLO a: An ability to apply					
knowledge of mathematics,					
science, and engineering					
SLO b1: An ability to design					
experiments to evaluate the					
performance of a					
mechatronic system or					
component with respect to					
specifications	specifications	specifications	specifications	specifications	specifications
SLO b2: An ability to conduct					
experiments, as well as					
analyze and interpret data					
SLO c : An ability to design a	SLO c : An ability to design a	SLO c : An ability to design a	SLO c : An ability to design a	SLO c : An ability to design a	SLO c : An ability to design a
mechatronic system,					
component, or process to					
meet desired needs					
SLO d: An ability to function					
effectively as members of					
multidisciplinary teams					
SLO e1: An ability to define					
engineering problems					
SLO e2: An ability to solve					
engineering problems					
SLO f: An understanding of					
professional ethical					
responsibility	responsibility	responsibility	responsibility	responsibility	responsibility
SLO g1: An ability to					
communicate technical					
matters effectively in oral					
form	form	form	form	form	form
SLO g2: An ability to					
communicate technical					
matters effectively in written					
form	form	form	form	form	form
SLO g3: An ability to					
communicate technical					
matters effectively in					
graphical form					
SLO h: The broad education					
necessary to understand the					

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impact of engineering solutions in a global and societal context	impact of engineering solutions in a global and societal context	impact of engineering solutions in a global and societal context	impact of engineering solutions in a global and societal context	impact of engineering solutions in a global and societal context	impact of engineering solutions in a global and societal context
SLO i: A recognition of the need for, and an ability to engage in, life-long learning	SLO i: A recognition of the need for, and an ability to engage in, life-long learning	SLO i: A recognition of the need for, and an ability to engage in, life-long learning	SLO i: A recognition of the need for, and an ability to engage in, life-long learning	SLO i: A recognition of the need for, and an ability to engage in, life-long learning	SLO i: A recognition of the need for, and an ability to engage in, life-long learning
SLO j: A knowledge of contemporary issues	SLO j: A knowledge of contemporary issues	SLO j: A knowledge of contemporary issues	SLO j: A knowledge of contemporary issues	SLO j: A knowledge of contemporary issues	SLO j: A knowledge of contemporary issues
SLO k: An ability to use the techniques, skills, and modern mechatronic engineering tools necessary for engineering practice	SLO k: An ability to use the techniques, skills, and modern mechatronic engineering tools necessary for engineering practice	SLO k: An ability to use the techniques, skills, and modern mechatronic engineering tools necessary for engineering practice	SLO k: An ability to use the techniques, skills, and modern mechatronic engineering tools necessary for engineering practice	SLO k: An ability to use the techniques, skills, and modern mechatronic engineering tools necessary for engineering practice	SLO k: An ability to use the techniques, skills, and modern mechatronic engineering tools necessary for engineering practice
SLO k: An ability to use the techniques, skills, and modern mechanical engineering tools necessary for engineering practice	SLO k: An ability to use the techniques, skills, and modern mechanical engineering tools necessary for engineering practice	SLO k: An ability to use the techniques, skills, and modern mechanical engineering tools necessary for engineering practice	SLO k: An ability to use the techniques, skills, and modern mechanical engineering tools necessary for engineering practice	SLO k: An ability to use the techniques, skills, and modern mechanical engineering tools necessary for engineering practice	SLO k: An ability to use the techniques, skills, and modern mechanical engineering tools necessary for engineering practice