Assessment Plan – Department of MMEM
BS in Mechanical 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 a**: An ability to apply knowledge of mathematics, science, and engineering	**SLO a**: An ability to apply knowledge of mathematics, science, and engineering	**SLO a**: An ability to apply knowledge of mathematics, science, and engineering	**SLO a**: An ability to apply knowledge of mathematics, science, and engineering	**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 mechanical/thermal system or component with respect to specifications	**SLO b1**: An ability to design experiments to evaluate the performance of a mechanical/thermal system or component with respect to specifications	**SLO b1**: An ability to design experiments to evaluate the performance of a mechanical/thermal system or component with respect to specifications	**SLO b1**: An ability to design experiments to evaluate the performance of a mechanical/thermal system or component with respect to specifications	**SLO b1**: An ability to design experiments to evaluate the performance of a mechanical/thermal system or component with respect to specifications	**SLO b1**: An ability to design experiments to evaluate the performance of a mechanical/thermal system or component with respect to specifications
SLO b2: An ability to conduct experiments, as well as analyze and interpret data	**SLO b2**: An ability to conduct experiments, as well as analyze and interpret data	**SLO b2**: An ability to conduct experiments, as well as analyze and interpret data	**SLO b2**: An ability to conduct experiments, as well as analyze and interpret data	**SLO b2**: An ability to conduct experiments, as well as analyze and interpret data	**SLO b2**: An ability to conduct experiments, as well as analyze and interpret data
SLO c1: An ability to design a mechanical system, component, or process to meet desired needs	**SLO c1**: An ability to design a mechanical system, component, or process to meet desired needs	**SLO c1**: An ability to design a mechanical system, component, or process to meet desired needs	**SLO c1**: An ability to design a mechanical system, component, or process to meet desired needs	**SLO c1**: An ability to design a mechanical system, component, or process to meet desired needs	**SLO c1**: An ability to design a mechanical system, component, or process to meet desired needs
SLO c2: An ability to design a thermal system, component, or process to meet desired needs	**SLO c2**: An ability to design a thermal system, component, or process to meet desired needs	**SLO c2**: An ability to design a thermal system, component, or process to meet desired needs	**SLO c2**: An ability to design a thermal system, component, or process to meet desired needs	**SLO c2**: An ability to design a thermal system, component, or process to meet desired needs	**SLO c2**: An ability to design a thermal system, component, or process to meet desired needs
SLO d: An ability to function effectively as members of multidisciplinary teams	**SLO d**: An ability to function effectively as members of multidisciplinary teams	**SLO d**: An ability to function effectively as members of multidisciplinary teams	**SLO d**: An ability to function effectively as members of multidisciplinary teams	**SLO d**: An ability to function effectively as members of multidisciplinary teams	**SLO d**: An ability to function effectively as members of multidisciplinary teams
SLO e1: An ability to define engineering problems	**SLO e1**: An ability to define engineering problems	**SLO e1**: An ability to define engineering problems	**SLO e1**: An ability to define engineering problems	**SLO e1**: An ability to define engineering problems	**SLO e1**: An ability to define engineering problems
SLO e2: An ability to solve engineering problems	**SLO e2**: An ability to solve engineering problems	**SLO e2**: An ability to solve engineering problems	**SLO e2**: An ability to solve engineering problems	**SLO e2**: An ability to solve engineering problems	**SLO e2**: An ability to solve engineering problems
SLO f: An understanding of professional ethical responsibility	**SLO f**: An understanding of professional ethical responsibility	**SLO f**: An understanding of professional ethical responsibility	**SLO f**: An understanding of professional ethical responsibility	**SLO f**: An understanding of professional ethical responsibility	**SLO f**: An understanding of professional ethical responsibility

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SLO g1: An ability to communicate technical matters effectively in oral form	**SLO g1**: An ability to communicate technical matters effectively in oral form	**SLO g1**: An ability to communicate technical matters effectively in oral form	**SLO g1**: An ability to communicate technical matters effectively in oral form	**SLO g1**: An ability to communicate technical matters effectively in oral form	**SLO g1**: An ability to communicate technical matters effectively in oral form
SLO g2: An ability to communicate technical matters effectively in written form	**SLO g2**: An ability to communicate technical matters effectively in written form	**SLO g2**: An ability to communicate technical matters effectively in written form	**SLO g2**: An ability to communicate technical matters effectively in written form	**SLO g2**: An ability to communicate technical matters effectively in written form	**SLO g2**: An ability to communicate technical matters effectively in written form
SLO g3: An ability to communicate technical matters effectively in graphical form	**SLO g3**: An ability to communicate technical matters effectively in graphical form	**SLO g3**: An ability to communicate technical matters effectively in graphical form	**SLO g3**: An ability to communicate technical matters effectively in graphical form	**SLO g3**: An ability to communicate technical matters effectively in graphical form	**SLO g3**: An ability to communicate technical matters effectively in graphical form
SLO h: The broad education necessary to understand the impact of engineering solutions in a global and societal context	**SLO h**: The broad education necessary to understand the impact of engineering solutions in a global and societal context	**SLO h**: The broad education necessary to understand the impact of engineering solutions in a global and societal context	**SLO h**: The broad education necessary to understand the impact of engineering solutions in a global and societal context	**SLO h**: The broad education necessary to understand the impact of engineering solutions in a global and societal context	**SLO h**: The broad education necessary to understand the 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 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