Mapping of program outcomes to curriculum

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.	2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.	3. An ability to communicate effectively with a range of audiences.	4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.	5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives	6. An ability to develop and conduct appropriate exq

CMPE 421- Computer Architecture II	D		D				M
CMPE 480-VLSI	M		D		D	M	M
CMPE 492-Senior Design I	M	D	M	P	M	M	M
CMPE 493-Senior Design II	M	M	M	M	M	M	M
INDE 330-Engineering Statistics &Probability	D					D	

Mapping of Outcomes for Computer Engineering Courses
I=introduction, D=development, M=Mastering
Updated 2021-03-17

Students who graduate with a B.S. in Computer Engineering will be able to:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Outcome (1): An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
Outcome (2):An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
Outcome (3):An ability to communicate effectively with a range of audiences.
Outcome (4):An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
Outcome (5):An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
Outcome (6):An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.

Outcome (7):An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.