



AAER's

Asian College of Science and Commerce

Affiliated to SPPU and Approved by Govt of Maharashtra
Accredited by NAAC with B+ Grade



Sr. No.	Program Outcome
1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to solve complex engineering problems.
2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems, reaching substantiated conclusions using the first principles of mathematics, natural sciences, and engineering sciences.
3	Design/development of solutions: Design solutions for complex engineering problems and system components or processes that meet the specified needs, appropriately considering public health and safety and cultural, societal, and environmental considerations.
4	Conduct investigations of complex problems: Use research-based knowledge and research methods, including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling, to complex engineering activities with an understanding of the limitations.
6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7	Environment and sustainability: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development
8	Ethics: Apply ethical principles and commit to the professional ethics, responsibilities, and norms of engineering practice.
9	Individual and team work: Function effectively as an individual and as a member or leader in diverse teams and multidisciplinary settings
10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as comprehending and writing effective reports and design documentation, making effective presentations, and giving and receiving clear instructions.
11	Project management and finance: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work as a team member and leader, managing projects and working in multidisciplinary environments.
12	Lifelong learning: Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.