Program Learning Outcomes (PLO)	
PLO-1	Ability to communicate effectively orally and in writing in Azerbaijani language; ability to write and understand technical reports and drawings, to prepare design and production reports, to make effective presentations, to give and receive clear and comprehensible instructions, and knowing at least one foreign language; ability to write and understand technical reports and drawings, to prepare design and production reports, to make effective presentations, to give and receive clear and comprehensible instructions using that language.
PLO-2	To have the systematic and comprehensive knowledge of the history, law, political, cultural, ideological foundations of Azerbaijan and its place and role in the modern world, and the ability to predict the prospective development of our national state, and the ability to identify the threats, and challenges faced by our national state.
PLO-3	Adequate knowledge on mathematics, science, and mechanical engineering; ability to apply the theoretical and applied knowledge in these fields in complex engineering problems.
PLO-4	Ability to identify, formulate and solve complex engineering problems and ability to select and apply proper analysis and modeling methods for this purpose.
PLO-5	Ability to design a complex system, process, device, or product to meet the requirements under realistic constraints and conditions; ability to apply contemporary design methodologies.
PLO-6	Ability to select and use modern techniques, skills and tools for the analysis and solution of complex problems encountered in engineering applications; ability to use information and communications technologies effectively.
PLO-7	Ability to design and perform experiments, collect, and analyze data and assess the results for the investigation of complex engineering problems or research topics specific to the mechanical engineering discipline.
PLO-8	Modern engineering techniques, skills, and the use of computational tools for engineering applications by using laboratory and workshop instruments and mechanisms to collect data, prepare technical drawings, prepare technical reports, technical presentations, take effective notes, write a computer program to use computational tools and software packages.

PLO-9	Behavior in accordance with ethical principles, consciousness on professional and ethical responsibility, Knowledge about the standards used in the engineering application.
PLO-10	Ability to work in the fields of both thermal and mechanical systems including the design and production steps of these systems.
PLO-11	Knowledge of the global and social effects of engineering practices on health, environment, and safety issues.
PLO-12	Knowledge about the applications at business life such as project management, risk management and change management;
PLO-13	Ability to work effectively on inter-, intra-, and multi-disciplinary teams; ability to work individually.