



**k) An ability to use the techniques, skills, and modern tools necessary for engineering practice.**

Criterion	Initial	Emerging	Developed	Excellence
<b>Required inputs identification for techniques and tools application (data/ concepts/ variables/ units)</b>	The student does not identify any required inputs for the application of techniques, methodologies, or tools	The student identifies less than 50% of the required inputs for the application of techniques, methodologies, or tools	The student identifies between 50% and 90% of the variables, parameters, or fundamental concepts of the techniques, methodologies, or tools	The student identifies all the variables, parameters, or fundamental concepts of the techniques, methodologies, or tools
<b>Different techniques and tools application and comparison for a specific problem solution</b>	The student does not apply any tool, technique or methodology	The student applies tools, techniques, or methodologies incorrectly despite the given instructions. Thus the student can not compare the results.	The student applies and compares tools, techniques, or methodologies; the student still needs constant guidance after instructions were given.	The student knows how to apply techniques, tools, and methodologies with dexterity, and performs comparisons
<b>Applied techniques, methodologies and tools results evaluation</b>	There is no assessable evaluation about given results	The student's evaluation is poor or inappropriate for the given results	The student evaluates the given results but his evaluation lacks of depth and details	The student's evaluation is strong, solid and justifies his choice completely.