

## CDAP Assessment Instruments (Mid Review Report) – 2016

	Excellent (5-4)	Good (3)	Average (2)	Below Average (1-0)
LO1 5%	<ul style="list-style-type: none"> <li>• <b>e1.</b> Demonstrates exceptional work of highest quality and outstanding knowledge</li> <li>• <b>e2.</b> Sets very demanding project objectives demanding and a wide range of cogently-justified project extensions</li> <li>• <b>e3.</b> Clearly stated project outcomes</li> <li>• <b>e4.</b> Proof of achievement of objectives</li> <li>• <b>e5.</b> Carefully tested, proved or rigorously evaluated system</li> <li>• <b>e6.</b> Work is of publishable quality in a peer-reviewed national conference</li> <li>• <b>e7.</b> Possibility of obtaining patents</li> </ul>	<ul style="list-style-type: none"> <li>• <b>g1.</b> Demonstrates high quality of work, good knowledge and understanding</li> <li>• <b>g2.</b> Sets and fully achieves reasonably demanding project objectives</li> <li>• <b>g3.</b> Tested or evaluated system</li> </ul>	<ul style="list-style-type: none"> <li>• <b>a1.</b> Demonstrates work of limited quality, some relevant knowledge and understanding</li> <li>• <b>a2.</b> Sets project objectives that may not be very demanding but achieved to a reasonable standard</li> <li>• <b>a3.</b> Demonstrates some attempt at explaining and interpreting the results</li> <li>• <b>a4.</b> Develops a working solution</li> </ul>	<ul style="list-style-type: none"> <li>• <b>b1.</b> Demonstrates work towards the project objectives, but significant issues likely to be neglected</li> <li>• <b>b2.</b> Partially completed solution</li> </ul>
	Excellent (5-4)	Good (3)	Average (2)	Below Average (1-0)
LO2 5%	<ul style="list-style-type: none"> <li>• <b>e1.</b> Demonstrates full awareness of key pillars and to what extent they are employed in the project</li> <li>• <b>e2.</b> Able to express the usage of other key pillars</li> </ul>	<ul style="list-style-type: none"> <li>• <b>g1.</b> Applies some of the key pillars and shows awareness of their usage</li> <li>• <b>g2.</b> Some understanding of other key pillars</li> </ul>	<ul style="list-style-type: none"> <li>• <b>a1.</b> Solution is limited to one of two key pillars</li> <li>• <b>a2.</b> Demonstrates limited knowledge of other key pillars</li> </ul>	<ul style="list-style-type: none"> <li>• <b>b1.</b> Demonstrates poor understanding</li> </ul>

	Excellent (50-40)	Good (39-30)	Average (29-20)	Below Average (19-0)
LO3 50%	<ul style="list-style-type: none"> <li>• <b>e1.</b> Uses latest tools, technology and design techniques in development</li> <li>• <b>e2.</b> Follows standard reference format</li> <li>• <b>e3.</b> Develops a framework / references a framework which is able to confidently express the choice and the reasons behind the choice of <ul style="list-style-type: none"> <li>- Development environment</li> <li>- Techniques in maintaining coding standards and best practices</li> <li>- Framework to consider professional, legal, social, security and ethical aspects of the system.</li> </ul> </li> <li>• <b>e4.</b> Carefully thought non-functional requirements</li> <li>• <b>e5.</b> Meaningful time-line, scope matches with time-line</li> </ul>	<ul style="list-style-type: none"> <li>• <b>g1.</b> Uses formal design techniques and tools in development</li> <li>• <b>g2.</b> Demonstrates good understanding of choice and the reasons behind the choice of <ul style="list-style-type: none"> <li>- Development environment</li> <li>- Techniques in maintaining coding standards and best practices</li> </ul> </li> <li>• <b>g3.</b> Able to express the framework to consider professional, legal, social, security, and ethical aspects of the system</li> <li>• <b>g4.</b> Lack of evidence of non-functional requirements</li> <li>• <b>g5.</b> Project is well within the timeline</li> </ul>	<ul style="list-style-type: none"> <li>• <b>a1.</b> Uses design techniques and tools appropriately</li> <li>• <b>a2.</b> Demonstrates acceptable understanding on the choice and the reasons behind the choice of <ul style="list-style-type: none"> <li>- Development environment</li> <li>- Techniques in maintaining coding standards and best practices</li> </ul> </li> <li>• <b>a3.</b> Lack of framework to consider professional, legal, social, security, and ethical aspects of the system</li> <li>• <b>a4.</b> Project is within the time; however there is scope to improve</li> </ul>	<ul style="list-style-type: none"> <li>• <b>b1.</b> Does not appropriately use design and development techniques</li> <li>• <b>b1.</b> No justification for the choice and the reasons behind the choice of <ul style="list-style-type: none"> <li>- Development environment</li> <li>- Poor techniques in maintaining coding standards</li> </ul> </li> <li>• <b>b2.</b> No evidence of application of professional, legal, social, security, and ethical aspects of the system</li> <li>• <b>b3.</b> Insufficient work for the timeline</li> </ul>
	Excellent (25-20)	Good (19-15)	Average (14-10)	Below Average (9-0)
LO4 25%	<ul style="list-style-type: none"> <li>• <b>e1.</b> Well organized, presented, and lucidly written report</li> <li>• <b>e2.</b> Clear, well structured, and accurate explanation of proposed system</li> <li>• <b>e3.</b> High quality of the report in terms of content, language,</li> </ul>	<ul style="list-style-type: none"> <li>• <b>g1.</b> Reasonably clear presentation and organization of the report</li> <li>• <b>g2.</b> Clear, well structured, and accurate explanation of proposed system</li> </ul>	<ul style="list-style-type: none"> <li>• <b>a1.</b> Clear explanation of proposed</li> <li>• <b>a2.</b> Acceptable quality of report</li> </ul>	<ul style="list-style-type: none"> <li>• <b>b1.</b> Project may contain some correct and relevant material, but most issues are neglected or are covered incorrectly</li> <li>• <b>b2.</b> Unclear explanation of</li> </ul>

	<p>presentation, clarity</p> <ul style="list-style-type: none"> <li>• <b>e4.</b> Follows document format</li> </ul>			proposed system
	<b>Excellent (15-12)</b>	<b>Good (11-9)</b>	<b>Average (8-6)</b>	<b>Below Average (5-0)</b>
LO5 15%	<ul style="list-style-type: none"> <li>• <b>e1.</b> Demonstrates sound evidence to prove business proposition of the proposed system</li> <li>• <b>e2.</b> Evaluates proposed system against alternative /similar systems</li> <li>• <b>e3.</b> Conducts a basic SWOT (Strengths, Opportunities, Weaknesses and Threats) analysis</li> </ul>	<ul style="list-style-type: none"> <li>• <b>g1.</b> Demonstrates good evidence to prove business proposition of the proposed system</li> <li>• <b>g2.</b> Demonstrates some evidence to evaluate proposed system against alternative systems</li> </ul>	<ul style="list-style-type: none"> <li>• <b>a1.</b> Demonstrates acceptable evidence to prove business proposition of the proposed system</li> <li>• <b>a2.</b> Demonstrates little awareness of alternatives leading to poor evaluation against these</li> </ul>	<ul style="list-style-type: none"> <li>• <b>b1.</b> Demonstrates no understanding of business proposition</li> </ul>