

Summary Statement of Professional Engineer CDR

Competency Element	Summary of application of the element	Paragraph number
PE1 KNOWLEDGE AND SKILL BASE		
PE1.1 Comprehensive, theory-based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline.	I pondered the needed knowledge of physical and natural sciences and have used it to the best of my competences.	CE 1.2, CE 1.3, CE 1.5 CE 2.2, CE 2.3, CE 2.5 CE 3.2, CE 3.3, CE 3.5
PE1.2 Conceptual understanding of the mathematics, numerical analysis, statistics and computer and information sciences which underpin the engineering discipline.	Mathematics, numerical analysis, statistics and regimented use of computer and information sciences are main emphasis of engineering discipline; I have applied all these skills in the three projects adequately.	CE 1.2, CE 1.3, CE 1.5 CE 2.2, CE 2.3, CE 2.5 CE 3.2, CE 3.3, CE 3.5
PE1.3 In-depth understanding of specialist bodies of knowledge within the engineering discipline.	From start to end and even after the implementation of the projects, I was enthralled and demonstrated the knowledge I had integrated during my studies has been applied.	CE 1.2, CE 1.3, CE 1.5, CE 1.6 CE 2.2, CE 2.3, CE 2.5, CE 2.6 CE 3.2, CE 3.3, CE 3.5, CE 3.6
PE1.4 Discernment of knowledge development and research directions within the engineering discipline.	The projects quoted in three episodes were implemented after comprehensive study and analysis.	CE 1.2, CE 1.3, CE 1.5 CE 2.2, CE 2.3, CE 2.5, 2.6 CE 3.2, CE 3.3, CE 3.5, CE 3.6

<p>PE1.5 Knowledge of contextual factors impacting the engineering discipline.</p>	<p>All the projects were based on thorough research and knowledge. I went through all the latest developments in migration sop's of BSC in order to better work on the project.</p>	<p>CE 1.2, CE 1.3, CE 1.5, CE 1.6 CE 2.2, CE 2.3, CE 2.5, CE 2.6 CE 3.2, CE 3.3, CE 3.5, CE 3.6</p>
<p>PE1.6 Understanding of the scope, principles, norms, accountabilities and bounds of contemporary engineering practice in the specific discipline.</p>	<p>Showed widespread understanding of the projects and took the lead role, keeping in view all the allied disciplines. I prepared reports which contained activities done by vendors.</p>	<p>CE 1.2, CE 1.3, CE 1.5 CE 2.2, CE 2.3, CE 2.5, CE 2.6 CE 3.2, CE 3.3, CE 3.5, CE 3.6</p>
<p>PE2 ENGINEERING APPLICATION ABILITY</p>		
<p>PE2.1 Application of established engineering methods to complex engineering problem solving.</p>	<p>In these projects, I applied well-known engineering approaches to resolve problems. In case of congestion I used to relocate BSC to MSC for solving the issue.</p>	<p>CE 1.8, CE 1.10 CE 2.11 CE 3.9</p>
<p>PE2.2 Fluent application of engineering techniques, tools and resources.</p>	<p>The practices that I used were credible, while assuring cautious use of available resources. I used Fluke tested for LAN verification.</p>	<p>CE 1.6, CE 1.7, CE 1.8, CE 1.9 CE 2.7, CE 2.8, CE 2.9, CE 2.10 CE 3.6, CE 3.7, CE 3.8</p>

<p>PE2.3 Application of systematic engineering synthesis and design processes.</p>	<p>I followed a methodical slant to make designs outstanding and substantial. For optical fiber I verified the SNR, jitter, attenuation & packet loss.</p>	<p>CE 1.7, CE 1.8, CE 1.9 CE 2.7, CE 2.8, CE 2.9, CE 2.10 CE 3.6, CE 3.7 CE 3.8, CE 3.9</p>
<p>PE2.4 Application of systematic approaches to the conduct and management of engineering projects.</p>	<p>Since instigation to achievement, I confirmed application of methodical approaches. On weekly basis I run network health and prepared a report which was discussed in detail with my manager.</p>	<p>CE 1.3, CE 1.5, CE 1.6 CE 2.2, CE 2.3, CE 2.5 CE 3.2, CE 3.3, CE 3.5</p>

PE3 PROFESSIONAL AND PERSONAL ATTRIBUTES

<p>PE3.1 Ethical conduct and professional accountability.</p>	<p>As a team member, I kept my attitude highly professional, driven my team members and ensured they were equally valued for their assistances.</p>	<p>CE 1.2, CE 1.3, CE 1.5 CE 2.3, CE 2.5, CE 2.6, CE 2.7 CE 3.2, CE 3.3, CE 3.5</p>
<p>PE3.2 Effective oral and written communication in professional and lay domains.</p>	<p>The projects were all self – explanatory and there was no indecisiveness in communication at any level.</p>	<p>CE 1.2, CE 1.3, CE 1.5 CE 2.2, CE 2.3, CE 2.5, CE 2.6, CE 2.7 CE 3.2, CE 3.3, CE 3.5</p>
<p>PE3.3 Creative innovative and proactive demeanor.</p>	<p>Being an ardent person, in each project I remained inventive and most visional among my group. I used my knowledge & verified link between BSC & MSC and then loaded the script.</p>	<p>CE 1.8, CE 1.9 CE 2.7, CE 2.8, CE 2.9 CE 3.7, CE 3.8</p>

<p>PE3.4 Professional use and management of information.</p>	<p>I assured acceptable and professional use of information in view of allocated projects.</p>	<p>CE 1.2, CE 1.3, CE 1.5 CE 2.5, CE 2.6, CE 2.7, CE 2.8 CE 3.2, CE 3.3, CE 3.5</p>
<p>PE3.5 Orderly management of self and professional conduct.</p>	<p>My professional conduct throughout the projects was up to the standard and highly valued. I developed project management skill after the project completion. This helped me in making firm decision during project execution.</p>	<p>CE 1.2, CE 1.3, CE 1.5 CE 2.2, CE 2.3, CE 2.5, CE 2.6 CE 3.2, CE 3.3, CE 3.5</p>
<p>PE3.6 Effective team membership and team leadership.</p>	<p>The projects I did were done professionally. I left no stone unturned in solving all the issues accordingly in concern with the team mates.</p>	<p>CE 1.2, CE 1.3, CE 1.5 CE 2.2, CE 2.3, CE 2.5, CE 2.6 CE 3.2, CE 3.3, CE 3.5</p>