List of corrections suggested by the examiners and the queries have been incorporated as directed below

<table>
<thead>
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<tbody>
<tr>
<td>1.</td>
<td>Chapter 4 aims to explain time slot tracking hamming code for SDR. In the result and discussion (Section 4.7), snap shots of the figures 4.2 to 4.13 alone given without detailed explanation. Similarly, figure 4.20 to 4.23 detailed explanations are not given.</td>
<td>66 to 73 79 and 80</td>
<td>Explanations are incorporated for all the figures</td>
<td>66 to 73 79 and 80</td>
</tr>
<tr>
<td>2.</td>
<td>Chapter 5 aims to provide network layer optimization technique using adaptive modulation technique but (figure 5.5 to 5.12) basic existing modulation techniques (FSK, BPSK, ASK) are implemented in Xilinx. It is suggested that any one adaptive modulation technique may be simulated and compared with the existing.</td>
<td>90 to 93</td>
<td>Simulation is done for the Adaptive modulation technique and compared with the existing method and matching results were obtained. However, the simulation offers improved value of SNR, more spectral efficiency, higher outage capacity and enhanced quality of service.</td>
<td>91 to 94 90</td>
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<tr>
<td>3.</td>
<td>In chapter 5(section 5.2.1), totally 6 tables are provided without any numbers and explanation, no explanations are provided for the Figures 5.3 to 5.14, 5.17 to 5.20.</td>
<td>84 to 86 89 to 95 98 &amp; 99</td>
<td>The tables are numbered and explanations provided. The figures are all explained</td>
<td>84 &amp; 85 89 to 95 99 &amp; 100</td>
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<tr>
<td>4.</td>
<td>The chapter 6 deals with automatic modulation tracking based on feature extraction. Network layer routing algorithm is implemented using OPNET software but configuration of the algorithm is not shown and graphs are not explained only snapshots are given.</td>
<td>115 to 122</td>
<td>Configuration of the routing algorithm is included in Section 6.8.2. Explanations are incorporated for all the graphs.</td>
<td>116 117 to 124</td>
</tr>
</tbody>
</table>
5. In chapter 6, snapshots of figures 6.9 to 6.11 are provided without detailed explanation. In chapter 6, (section 6.8.1) shows three figures with single figure caption 6.12. No explanations are provided. The author mentioned figure 6.2 instead of 6.12. Similarly Figures 6.16 to 6.27, 6.31 to 6.36 are not explained.

108 to 110 All the figures are provided with explanations. Three figures with a single figure caption 6.12 is provided with separate figure captions.

114 Figure number 6.2 is corrected to Figure 6.12

113 Explanations are included for all the figures mentioned in the Evaluation report

117 to 122

127 to 131

109 to 111

115

114

118 to 124

129 to 133

6. In chapter 7, figure 7.1 provides energy and bandwidth saving analysis but in the chapter 6 author analyses routing algorithm using OPNET. Motivation and connection between the chapters 6 and 7 are not clear.

132 Motivation and connection are incorporated in Section 6.12

134 & 135

7. In chapter 7, in page 137, figure is there without figure caption. No explanations are given for the figures. The chapter ended without any conclusion.

137 Figure caption is included

137 & 138 Explanations are given for all the figures. Conclusion is included at the end of the chapter 7.

140

140 & 141

141

8. Overall motivation and connection between the results and discussions in chapters 4 to 7 are missing.

Overall motivation and connection between the results and discussions are included in Section 7.6.1

142

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(S. Leones Sherwin Vimalraj)

Principal

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Signature of Supervisor

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Sriperumbattur