<table>
<thead>
<tr>
<th>Fig. No.</th>
<th>Figure Description</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Methods of Data Mining</td>
<td>2</td>
</tr>
<tr>
<td>3.1</td>
<td>Different kinds of Subtrees</td>
<td>57</td>
</tr>
<tr>
<td></td>
<td>Examples of Incorporated subtrees</td>
<td></td>
</tr>
<tr>
<td>3.2</td>
<td>Examples of Incorporated subtrees</td>
<td>58</td>
</tr>
<tr>
<td>3.3</td>
<td>Patient's Medical Multi Relational Database</td>
<td>61</td>
</tr>
<tr>
<td>3.4</td>
<td>Relational Tree Structure of Multi Relational Database</td>
<td>64</td>
</tr>
<tr>
<td>4.1</td>
<td>Relationships between propositional and relational learning algorithms</td>
<td>75</td>
</tr>
<tr>
<td>4.2</td>
<td>Data Preprocessing Flow Chart</td>
<td>85</td>
</tr>
<tr>
<td>5.1</td>
<td>Number of patterns of table A based on the threshold values</td>
<td>94</td>
</tr>
<tr>
<td>5.2</td>
<td>Number of patterns of table B based on the threshold values</td>
<td>95</td>
</tr>
</tbody>
</table>
5.3 Number of patterns of table C based on the threshold values 96

5.4 Number of multi-relation patterns based on the threshold values 97

5.5 Number of patterns of table A based on the size of the database 98

5.6 Number of patterns of table B based on the size of the database 99

5.7 Number of patterns of table C based on the size of the database 100

5.8 Number of multi-patterns based on the size of the database 101

5.9 Running time of the proposed approach by varying the size of the database 102

5.10 Memory usage of the proposed approach based on the size of the database 103
Running time of the proposed approach based on the threshold values

5.11

Memory usage of the proposed approach based on the threshold values

5.12

Number of patterns of table A based on the threshold values

5.13

Number of patterns of table B based on the threshold values

5.14

Number of patterns of table C based on the threshold values

5.15

Number of multi-relation patterns based on the threshold values

5.16

Number of patterns of table A based on the size of the database

5.17

Number of patterns of table B based on the size of the database

5.18
Number of patterns of table C based on the size of the database

5.19 Number of multi-patterns based on the size of the database

5.20 Running time of the proposed approach by varying the size of the database

5.21 Running time of the proposed approach based on the threshold values

5.22 Memory usage of the proposed approach based on the threshold values

5.23 Memory usage of the proposed approach based on the size of the Database

5.24