<table>
<thead>
<tr>
<th>Sl.No</th>
<th>CONTENTS</th>
<th>Page No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LIST OF FIGURES</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LIST OF TABLES</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LIST OF APPENDICES</td>
<td></td>
</tr>
<tr>
<td>I.</td>
<td>INTRODUCTION</td>
<td>1-13</td>
</tr>
<tr>
<td>II.</td>
<td>REVIEW OF LITERATURE</td>
<td>14-127</td>
</tr>
<tr>
<td>I</td>
<td>Anaemia</td>
<td>16</td>
</tr>
<tr>
<td>II</td>
<td>Pregnancy and Anaemia</td>
<td>36</td>
</tr>
<tr>
<td>III</td>
<td>Prevalence of anaemia</td>
<td>55</td>
</tr>
<tr>
<td></td>
<td>(a) International anaemia prevalence</td>
<td>58</td>
</tr>
<tr>
<td></td>
<td>(b) National anaemia prevalence</td>
<td>61</td>
</tr>
<tr>
<td></td>
<td>(c) Prevalence in Kerala</td>
<td>66</td>
</tr>
<tr>
<td>IV</td>
<td>Requirement of iron for pregnant women to overcome anaemia</td>
<td>68</td>
</tr>
<tr>
<td>V</td>
<td>Effect of anaemia on the outcome of pregnancy</td>
<td>74</td>
</tr>
<tr>
<td></td>
<td>1. Health consequences in children</td>
<td>75</td>
</tr>
<tr>
<td></td>
<td>(a) Premature birth</td>
<td>76</td>
</tr>
<tr>
<td></td>
<td>(b) Low birth weight</td>
<td>77</td>
</tr>
<tr>
<td></td>
<td>(c) Infections</td>
<td>80</td>
</tr>
<tr>
<td></td>
<td>(d) Elevated risk of death</td>
<td>83</td>
</tr>
<tr>
<td></td>
<td>(e) Physical and cognitive developments in later life</td>
<td>84</td>
</tr>
<tr>
<td></td>
<td>(f) Cardiovascular diseases in later life</td>
<td>86</td>
</tr>
<tr>
<td></td>
<td>(g) Diabetes in later life</td>
<td>87</td>
</tr>
<tr>
<td></td>
<td>2. Health consequences in mother</td>
<td>88</td>
</tr>
<tr>
<td></td>
<td>(a) Maternal haemorrhage</td>
<td>89</td>
</tr>
<tr>
<td></td>
<td>(b) Maternal anaemia and gestational diabetes</td>
<td>91</td>
</tr>
<tr>
<td>Sl.No</td>
<td>CONTENTS</td>
<td>Page No</td>
</tr>
<tr>
<td>-------</td>
<td>-------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>VI</td>
<td>National prophylaxis programme on anaemia</td>
<td>93</td>
</tr>
<tr>
<td>VII</td>
<td>Nutritional Status</td>
<td>97</td>
</tr>
<tr>
<td>VIII</td>
<td>Previous Studies</td>
<td>114</td>
</tr>
<tr>
<td>IX</td>
<td>Anaemia screening tests</td>
<td>122</td>
</tr>
<tr>
<td></td>
<td>(a) Blood test for haemoglobin concentration</td>
<td>122</td>
</tr>
<tr>
<td></td>
<td>(b) Stool test for hookworm infestation</td>
<td>127</td>
</tr>
<tr>
<td>III</td>
<td>METHODOLOGY</td>
<td>128-148</td>
</tr>
<tr>
<td></td>
<td>1. Selection of the area for study</td>
<td>129</td>
</tr>
<tr>
<td></td>
<td>2. Selection of the sample</td>
<td>130</td>
</tr>
<tr>
<td></td>
<td>3. Selection of the methods</td>
<td>132</td>
</tr>
<tr>
<td></td>
<td>4. Selection of the tools</td>
<td>133</td>
</tr>
<tr>
<td></td>
<td>5. Pilot study</td>
<td>138</td>
</tr>
<tr>
<td></td>
<td>6. Collection of the data</td>
<td>138</td>
</tr>
<tr>
<td></td>
<td>7. Analysis and interpretation of the data</td>
<td>140</td>
</tr>
<tr>
<td>IV</td>
<td>RESULTS AND DISCUSSION</td>
<td>147-247</td>
</tr>
<tr>
<td></td>
<td>Phase I</td>
<td>147</td>
</tr>
<tr>
<td></td>
<td>Phase II</td>
<td>171</td>
</tr>
<tr>
<td></td>
<td>Phase III</td>
<td>247</td>
</tr>
<tr>
<td>V</td>
<td>SUMMARY AND CONCLUSION</td>
<td>248-255</td>
</tr>
<tr>
<td></td>
<td>BIBLIOGRAPHY</td>
<td>256-303</td>
</tr>
<tr>
<td></td>
<td>APPENDICES</td>
<td>304-320</td>
</tr>
</tbody>
</table>