List of Figures

Figure 1.1: Evolution of supply chain management ................................................................. 4
Figure 1.2: Overview of supply chain ..................................................................................... 5
Figure 1.3: Concept of a supply chain ....................................................................................... 6
Figure 1.4: Typical structures of supply chain ........................................................................... 7
Figure 1.5: Supply chain decision phases .................................................................................. 8
Figure 1.6: Cycle view of Supply chain ..................................................................................... 10
Figure 1.7: Push/Pull views of a supply chain .......................................................................... 10
Figure 1.8: Order fluctuations at different stages of Supply Chain ........................................... 19
Figure 2.1: Classification of Supply chain coordination issues (quantitative) ............................. 27
Figure 2.2: Influencing factors — Policies — Risks - Decision option available in a supply chain .. 54
Figure 2.3: Supply chain coordination obstacles (Modified from Arshinder et al., 2008) .......... 55
Figure 2.4: A framework for Supply Chain coordination study (Modified from Arshinder et al., 2008) 58
Figure 3.1: Structure of the Supply Chain .............................................................................. 70
Figure 3.2: Illustrates the behavior of inventory in a retailer’s cycle (modified from Jaber et al, 2006) 75
Figure 3.3: Illustrates the behavior of inventory levels for the retailer and manufacturer of a supply chain (Modified from Jaber et al, 2006) .................................................. 80
Figure 4.1: A conceptual model of a network Supply chain consisting of four retailers, two wholesalers and one manufacturer with an infinite part supplier .................................... 109
Figure 5.1: Structure of the Supply Chain .............................................................................. 138
Figure 5.2: Operational flow chart of ordering policy ............................................................... 140
Figure 5.3: Total cost vs. type of information sharing under lost sales situation ....................... 150
Figure 5.4: Total cost (Rs in Lakhs) vs. type of information sharing under back order situation .... 152
Figure 5.5: Improvement in overall performance under each information sharing compared to the traditional case under lost sale and backorder situations ................................. 154