

SUMMARY OF CHAPTER CONTENTS

<u>CHAPTER</u>		<u>PAGE</u>
1	<u>INTRODUCTION</u>	001
	Hypothesis of the study	004
	Objective and scope of the study	004
	Source material and methodology	005
	Relevance of the study	006
	Chapter outline	006
2	<u>ROLE OF TRANSPORT IN ECONOMIC DEVELOPMENT</u>	008
	Meaning and implications of economic development	008
	Implications of economic development	017
	Role of transport in economic development	019
	Transport and resource use	021
	Transport and market	023
	Transport and propensities	027
	Transport and mobility	029
	Transport and employment	029
	Transport and standard of living	035
	Development of Road transport in India	035
	Road lengths of different categories in India	035
	Availability of roads per unit of land area and per unit size of population	037
	Availability of motor vehicles per unit of land area and per unit size of population	037
	Advantages of road transport	040
3	<u>TRANSPORT OWNERSHIP</u>	041
	Forms of transport ownership	041
	Private Ownership	042

<u>CHAPTER</u>		<u>PAGE</u>
3	Individual ownership	042
	Group ownership	043
	Partnership	043
	Joint Stock Company	045
	Public ownership	047
	Inadequacy of private enterprise	049
	Insufficient capital	050
	Development of infrastructural facilities	051
	Revenue	051
	Policy of the State	052
	Merits and demerits of different forms of road transport ownership	053
	Merits and demerits of private ownership of transport undertaking	053
	Merits and demerits of public ownership of transport undertaking	054
	Transport Pricing	055
	Costs of transport	055
	Fixed costs and variable costs	056
	Fixed Costs	056
	Variable costs	056
	Social costs of transport	058
	Methods of passenger transport pricing	058
	Marginal-Cost Pricing	059
	Average-Cost Pricing	059
	Cost-Plus Pricing	060
	Applicability to transport pricing	061
	Pricing on the basis of what the Traffic Can Bear	063
	State regulation of transport Pricing	065
	Transport competition	066
	Types of transport competition	066
	Intra-modal competition	066

<u>CHAPTER</u>		<u>PAGE</u>
3	Inter-modal competition	066
	Competition in Road Transport	067
	Advantages and disadvantages of transport competition	068
	Advantages	068
	Expansion of service	068
	Efficiency of service	068
	Improved quality of service	068
	Disadvantages	069
	Accidents and loss of life	069
	Financial loss to the undertakings	069
	Overlapping of services	069
	Waste of services	069
	Transport Routing	070
	A Model For Transport Routing	073
	Assumptions	074
	Existence of a main centre	074
	Presence of sub-centres	074
	Nature of dealings with sub-centres	074
	Traffic density	074
	Capacity of transport modes	075
	Nature of transport service	075
	Main services	075
	Intermediate services	075
	Catering services	075
4	<u>ECONOMIC PROFILE OF DAKSHINA KANNADA DISTRICT</u>	080
	Location and boundary	080
	Occupational pattern	081
	Income distribution	084
	Crops and cropping pattern	086

<u>CHAPTER</u>		<u>PAGE</u>
4	Education	089
	University education	091
	Health	094
	Industrial development of Dakshina Kannada	096
	Transport in Dakshina Kannada	100
	Implications to transport	106
5	<u>RURAL TRANSPORT IN DAKSHINA KANNADA</u>	109
	Availability of roads per 100 square kilometres in Dakshina Kannada, Karnataka and India	109
	Availability of roads per lakh of population in Dakshina Kannada, Karnataka and India	111
	Number of registered motor vehicles per 100 square kilometres in Dakshina Kannada, Karnataka and India	112
	Number of registered motor vehicles per lakh of population in Dakshina Kannada, Karnataka and India	116
	Aspects of road transport development	116
	The pattern of ownership of passenger vehicles in Dakshina Kannada	120
	Trend of growth of private transport operators	121
	Number of heavy passenger vehicles in Dakshina Kannada	123
	Distribution of private transport ownership in Dakshina Kannada	127
	The pattern of distribution of routes of operation	132
	Routes from village to village	132
	Routes from village to taluk headquarters	132
	Routes from taluk headquarters to district headquarters	132
	Routes from village to district headquarters	132

<u>CHAPTER</u>		<u>PAGE</u>
5	Distribution of routes of operation and the Model for transport routing	133
	Pattern of route distribution in the district	134
	Rate of growth of road transport routes in Dakshina Kannada	136
	Share of routes of different operators of road transport in Dakshina Kannada	138
	Distribution of transport routes among private operators in Dakshina Kannada	145
	Implications of route distribution	156
	Transport coverage	157
	Employment	157
	Rural development	157
	The modes of transport	157
	The operational aspect of road transport in Dakshina Kannada	158
	Passenger transport through heavy passenger vehicles or buses	159
	Types of bus transport operators	161
	Single bus operators	166
	Routes of operation of single bus operators	169
	Medium scale operators	171
	Routes of operation of medium scale operators	174
	Fleet operators	176
	Routes of operation of fleet operators	179
	Operators' preference of routes	181
	Ideal scale of operation	182
	Passenger transport through light passenger vehicles	184
	Operational aspect of light passenger vehicles	186
	Owner operation	188
	Passenger cars	188

<u>CHAPTER</u>		<u>PAGE</u>
5	Metadors	190
	Autorickshaws	190
	Hire operation	192
	Pattern of hire of light passenger vehicles	194
	Passenger cars	196
	Metadors	198
	Autorickshaws	199
	Operational coverage of light passenger vehicles	203
	Carrying capacity and nature of service of light passenger vehicles	204
	Organisation of light passenger vehicle operators	208
	Operation of light passenger vehicles and the Model for transport routing	210
	The financial aspect of transport	211
	Financing of the bus operators	211
	Financing of light passenger vehicle operators	214
	Implications to efficiency and consumers satisfaction	216
6	<u>TRANSPORT AND RURAL DEVELOPMENT IN DAKSHINA KANNADA</u>	221
	Clustering nature of economic development	221
	Need for regional balance in development	227
	Meaning and implications of Rural Development	228
	Need for Rural Development in India	231
	Predominance of rural population	231
	Excessive urbanisation	231
	Dualistic patterns of development	233
	Role of transport in economic development	235
	Transport and resource use	235
	Transport and market	236
	Transport and propensities	236

<u>CHAPTER</u>		<u>PAGE</u>
6	Transport and mobility	236
	Transport and employment	237
	Transport and standard of living	237
	Implications of road transport to Rural Development in Dakshina Kannada	238
	Implications to agricultural development	239
	Views of agriculturists on passenger transport	240
	Views of agriculturists on goods transport	242
	Type, mode and distance of goods transport	245
	Passenger vehicles	245
	Goods vehicles	246
	Efficiency of goods transport facility	247
	Implications to industrial development	248
	Implications to intra-regional development	255
	Operational efficiency of light passenger vehicles in Dakshina Kannada	255
	Implications to consumer satisfaction	260
	Composite nature of rural transport in Dakshina Kannada	265
	Need for composite transport	267
	Advantages	271
	Availability and convenience	271
	Lower cost	271
	Disadvantages	272
	Inconvenience	272
	Waste of time	272
	Risk in travel	272
	Problems of rural transport in Dakshina Kannada	272
	General Problems	273

<u>CHAPTER</u>		<u>PAGE</u>
6	Poor quality of roads	273
	Competition	273
	Specific problems	275
	Problems of bus operators	275
	High cost of maintenance	275
	High taxes	276
	Overlapping of timings and routes	276
	Harassment by the authorities	277
	Lack of organisation	277
	Problems of light passenger vehicle operators	277
	High taxes	277
	Non-availability of spare parts	278
	Lack of workshops	279
	Non-availability of fuel	279
	Lack of parking facilities	279
	Harassment by the authorities	280
	Lack of public co-operation	280
	Lower seating capacity	281
	Problems of consumers or users of the transport service	281
	Overloading	282
	High fare	283
	Irregular timing	283
	Poor maintenance of buses	283
	Lack of services of light passenger vehicles	284
	Lack of rural road links	284
	Unskilled staff	284
	Lack of coastal railway	285
	Suggestions for improvement	285
	Improvement of roads	285
	Maintenance of timings	285
	Reasonable taxes	285
	Supply of spare parts	286

<u>CHAPTER</u>		<u>PAGE</u>
6	Reasonable fare	286
	Maintenance of vehicles	286
	Rural road links	287
	Need for Konkan Railways	287
	Routing pattern	287
	Co-operation	288
7	<u>SUMMARY AND CONCLUSION</u>	289