

Preface

The rapid evolution of smart technologies has fundamentally reshaped the landscape of urban transportation, and at the forefront of this transformation is Vehicle-to-Everything (V2X) technology. In a city like Dubai, renowned for its ambitious vision and commitment to innovation, V2X is poised to redefine how people, vehicles, and infrastructure interact. This book explores how V2X is revolutionizing smart transportation in Dubai, serving as a model for other global cities. From autonomous vehicles to intelligent traffic management, V2X enables seamless communication between vehicles, infrastructure, and road users, enhancing safety, efficiency, and sustainability. Through case studies, interviews with industry leaders, and a deep dive into Dubai's strategic initiatives, this book sheds light on the critical role V2X plays in shaping the future of mobility. As Dubai continues to position itself as a global leader in smart transportation, its experience offers valuable lessons for the world.