

# Preface

This book explores the intersection of artificial intelligence (AI) and sustainable infrastructure, focusing on the transformative role of AI in optimizing campus environments. It delves into the development of smart campus automation systems that enhance energy efficiency, security, and overall operational performance. By integrating AI with intelligent material systems, this work showcases innovative solutions for reducing environmental impact while enhancing user experience and safety. Drawing on cutting-edge research and practical applications, this book aims to provide a comprehensive understanding of how AI-driven solutions can shape sustainable, resilient, and efficient infrastructure in educational and institutional settings.

