


AI-POWERED SOLUTIONS FOR SUSTAINABLE DEVELOPMENT: A ROADMAP TO ACHIEVING GLOBAL GOALS

Dr. Ivneet Kaur Walia* 

Chaitali Gupta** 

ABSTRACT

AI has revolutionized the world, replacing traditional methods and reshaping industries. It has become an essential force in achieving the SDGs, which aim to meet present needs without compromising future generations. AI's advancements overshadow conventional sustainability methods, ensuring that various global goals are not compromised. Despite skepticism regarding AI's development, its impact on sustainability is undeniable. However, there is a lack of comprehensive studies and regulatory mechanisms to assess AI's direct role in extending SDGs. AI has fostered growth across multiple sectors, including global productivity, environmental management, inclusivity, and social equity. AI's influence on sustainability could lead to either a utopian future where humans and machines coexist harmoniously, or a dystopian scenario filled with challenges and suffering. This chapter examines AI's potential to empower or hinder the 17 SDGs by analysing secondary research and existing studies. It discusses AI's contemporary relevance and its impact on intergenerational justice, social equity, and the balance between ecology and technological progress. Rather than focusing on AI's operational mechanisms, this chapter urges readers, policymakers, and developers to recognize the environmental costs associated with AI. It calls for responsible AI development that aligns with sustainability efforts, ensuring that technological progress does not come at the expense of ecological and social well-being.

Keywords: *Sustainable Development, Artificial Intelligence, Goals, Machines, Revolution*

* Associate Professor of Law, Registrar (Officiating), Rajiv Gandhi National University of Law, Patiala, Punjab.

** Research Assistant, Centre for Criminology, Criminal Justice and Victimology, Rajiv Gandhi National University of Law, Patiala, Punjab.

THIS IS A LIMITED PREVIEW OF THE CHAPTER.

To read the full-text chapter, get access by purchasing this chapter or consider buying the complete book. If your library has a subscription to EBSCOhost, this chapter, including other chapters of the book, can be accessed through your library.

This chapter is a part of the book, *'Intersectionality Between Climate Change and Sustainable Development Goals: A Socio-Legal Perspective from India'* edited by Dr. Nivedita Chaudhary and Dr. Srishti Chaturvedi.

ISBN: 978-81-967805-2-4 (ebk); ISBN: 978-81-967805-0-0 (hbk); ISBN: 978-81-967805-3-1 (pbk)

The ebook and print version of this book are available at:
<https://dx.doi.org/10.46679/9788196780524>

The book and its metadata are available worldwide via EBSCOhost Academic Collection, EBSCO E-Books, Google Books, Google Play Books, WorldCat Discovery Service/OCLC, Crossref Metadata Search, CSMFL Bookstore, and other leading book resellers and academic content vendors.