**VISION VIKSIT BHARAT 2047**
**EDUCATION 4.0**

# ENHANCING INDIA'S WORKFORCE FOR THE AI-POWERED FUTURE

**VOLUME - III**


**Editor In Chief**

**Dr. M. Akilanayaki**
*Assistant Professor & Head*
*Department of Commerce with Business Process Services*
*Nallamuthu Gounder Mahalingam College*
*Pollachi, Tamil Nadu*

**Editors**

**Ms. V. Poornima**
*Assistant Professor,*
*Department of Commerce with Business Process Services*

**Ms. M. Shanmugapriya**
*Assistant Professor,*
*Department of Commerce with Business Process Services*

**Dr. P. Gurusamy**
*Assistant Professor,*
*Department of Commerce with Business Process Services*

**Dr. R. Sivarajan**
*Assistant Professor,*
*Department of Commerce with Business Process Services*

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**Ms. V.Poornima**
**Ms. M. Shanmugapriya**
**Dr. P. Gurusamy**
**Dr. R. Sivarajan**

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*email:publisher@shanlaxpublications.com*
*web: www.shanlaxpublications.com*

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# EDUCATION AND AI FOR VIKSHIT BHARAT: SHAPING A DEVELOPED INDIA

**Dr. B. Indira Priyadharshini**
*Assistant Professor, Department of Commerce (E-Commerce)*
*Nallamuthu Gounder Mahalingam College, Pollachi*

**Ms. S. Nagalakshmi**
*III Year Commerce (E-Commerce)*
*Nallamuthu Gounder Mahalingam College, Pollachi*

**Ms. G. Maheswari**
*II Year Commerce (E-Commerce)*
*Nallamuthu Gounder Mahalingam College, Pollachi*

**Abstract**

*This research paper explores the transformative potential of Artificial Intelligence (AI) in revolutionizing education in India, contributing significantly to the vision of a "Vikshit Bharat" (Developed India). It analyzes the current state of education in India, identifies key challenges, and examines how AI-powered solutions can address these challenges to create a more equitable, accessible, and high-quality education system. The paper discusses various applications of AI in education, including personalized learning, intelligent tutoring systems, automated assessment, and administrative efficiency. It also addresses the ethical considerations, potential risks, and necessary infrastructure and policy frameworks required for successful AI integration in Indian education.*

***Keywords:*** *Artificial Intelligence, Education, Vikshit Bharat, Personalized Learning, Intelligent Tutoring Systems, EdTech, Digital Divide, Skill Development, Educational Policy, India.*

## Introduction:

Education is a cornerstone of national development and a crucial driver for achieving the vision of a "Vikshit Bharat." While India has made significant strides in expanding access to education, challenges persist in ensuring quality, equity, and relevance. Artificial Intelligence (AI) presents a unique opportunity to address these challenges and transform the educational landscape. This paper investigates the potential of AI to revolutionize education in India, contributing to the nation's progress towards becoming a developed nation.

## Review of Literature:

Existing literature highlights the growing interest and research in the application of AI in education globally.

- **Holmes, Bialik, & Fadel (2023):** "Artificial intelligence in education" provides a comprehensive overview of AI's potential in education, discussing various applications and ethical considerations.