

(54) Title of the invention : ARTIFICIAL INTELLIGENCE AND SUPPLY CHAIN MANAGEMENT- ASSESSMENT OF THE PRESENT AND FUTURE ROLE PLAYED BY AI IN THE SUPPLY CHAIN PROCESS

<p>(51) International classification :G06Q0010060000, G06Q0010080000, G06Q0030020000, A61B0005000000, G06F0008710000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)IFTM University Address of Applicant :Lodhipur Rajput, Delhi Road, Moradabad, Uttar Pradesh, India - 244001 -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Himanshu Gupta Address of Applicant :Associate Professor, School of Business Management, IFTM University, Lodhipur Rajput, Delhi Road, Moradabad, Uttar Pradesh, India - 244001 -----</p> <p>2)Aayush Agarwal Address of Applicant :Research Scholar, School of Business Management, IFTM University, Lodhipur Rajput, Delhi Road, Moradabad, Uttar Pradesh, India - 244001 -----</p> <p>3)Nisha Agarwal Address of Applicant :Professor, School of Business Management, IFTM University, Lodhipur Rajput, Delhi Road, Moradabad, Uttar Pradesh, India - 244001 -----</p> <p>4)Dr. Aarti Garg Address of Applicant :Assistant Professor, School of Business Management, IFTM University, Lodhipur Rajput, Delhi Road, Moradabad, Uttar Pradesh, India - 244001 -----</p> <p>5)Akash Kumar Arya Address of Applicant :Assistant Professor, School of Business Management, IFTM University, Lodhipur Rajput, Delhi Road, Moradabad, Uttar Pradesh, India - 244001 -----</p> <p>6)Dr. Richa Gupta Address of Applicant :Assistant Professor, School of Business Management, IFTM University, Lodhipur Rajput, Delhi Road, Moradabad, Uttar Pradesh, India - 244001 -----</p> <p>7)Dr. Charu Dutta Address of Applicant :Assistant Professor, School of Business Management, IFTM University, Lodhipur Rajput, Delhi Road, Moradabad, Uttar Pradesh, India - 244001 -----</p>
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(57) Abstract :

This invention seeks to identify the contributions of artificial intelligence (AI) to supply chain management (SCM) through a systematic review of the existing literature. To address the current scientific gap of AI in SCM, this invention aimed to determine the current and potential AI techniques that can enhance both the study and practice of SCM. Gaps in the literature that need to be addressed through scientific research were also identified. More specifically, the following four aspects were covered: (1) the most prevalent AI techniques in SCM; (2) the potential AI techniques for employment in SCM; (3) the current AI-improved SCM subfields; and (4) the subfields that have high potential to be enhanced by AI. A specific set of inclusion and exclusion criteria are used to identify and examine papers from four SCM fields: logistics, marketing, supply chain, and production. This invention provides insights through systematic analysis and synthesis.

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