

Contents

List of authors — VII

G. Sucharitha, I. Venkata Sai Suhruth, Bitla Vishweshwar, Sirisha Potluri
The impact of green manufacturing in Industry 4.0 for future ecosystems — 1

G. Sucharitha, Ujjwal Shivacharya, Sri Vishal Lanka, Sirisha Potluri
Custom manufacturing using Industry 4.0: cost-effective industry revolution model — 17

T. Padmavathy, C. Muralidharan, Y. Mohamed Sirajudeen
Cloud-based industrial IoT infrastructure to facilitate efficient data analytics — 31

G. Anil Kumar, R. Praveen Sam, A. Ravi Kumar, V. Subbaramaiah
An impact of robust Industry 4.0 strategy on supply chain management — 53

P. Dileep, Madadi Vijayakamal, Mantri Gayatri
Machine learning based smart cloud factories — 71

Fahmina Taranum, K. Niraja, Maniza Hijab
Sustainable and flexible digital models for the manufacturing of ecosystem — 91

Ruqqaiya Begum, Koti Tejasvi
Industry 4.0: efficient supply chain management using energy-aware cloud infrastructure model — 103

K. Tejasvi, Ruqqaiya Begum
Analytical models for planning and control of autonomous mobile robots for logistic management — 121

Ayesha Mariyam, Sk. Althaf Hussain Basha, S. Viswanadha Raju
Industry 4.0: augmented reality in smart manufacturing industry environment to facilitate faster and easier work procedures — 141

VI — Contents

G. Malini Devi

Prediction of knee osteoarthritis progression using machine learning techniques — 163

Index — 173