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DEPARTMENT OF COMPUTER SCIENCE (SF)

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84	Energy of Extended Reverse R Indices in Fuzzy Graphs Dharshan M.K, M.Rowthri & T.Lavanya	112
85	Business Intelligence Application for Improving the Performance of Business Operations Mr Rajagopalan S	113-114
86	A Comprehensive Survey on Recent Trends in Data Augmentation Methods on Medical Images Elizabeth Varghese M, Anoop C Markose	115
87	A Comprehensive Survey on Software Fault Prediction Models: Trends, Techniques, and Future Directions Nimisha P & Dr. Eldho K J	116-117
88	Novel Solution for Execution Challenges of Streaming Platform Dr.Sriprasadh K	118
89	Cloud Computing and Virtualization for Sustainable Development Goals Logapriyan N	119
90	Enhancing Wireless VR/AR With AI-Powered Predictive Rendering and Adaptive Streaming Mrs. N. Dhanapriya, Mercy Tabitha.P, JoyceMary.J	120
91	Survey on the Application of Artificial Intelligence Technology in Cloud Computing Environment Harikaran G & Mythili D	121-122

INTERNATIONAL CONFERENCE ON RECENT TRENDS IN COMPUTATIONAL TECHNOLOGIES AND SUSTAINABLE DEVELOPMENT GOALS

BUSINESS INTELLIGENCE APPLICATION FOR IMPROVING THE PERFORMANCE OF BUSINESS OPERATIONS

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Abstract

Business Intelligence (BI) is a tool that empowers organizations to gather, analyze, and visualize data in order to facilitate decision-making. In management, BI improved the strategic planning, operational efficiency, and performance monitoring by offering real time insight into the main commercial matrix. It looks into BI application in sales and paper management, finance, supply chain, human resources and customer relationship management. Data mining, pre-protection, real-time reporting, and dashboard visualization are techniques that empower managers to make resourceful decisions and increase commercial performance based on data. The professional environment has evolved to an extent where integrating two or more tools and technologies has become a necessity for competitive gains. BI gives insight into better forecasting, risk management, and process automation which in turn improves productivity and profitability of an organization. This research highlights BI's role in management and how it impacts an organization's success. With the support of a BI tools, managers and business can derive feasible decisions as to increase productivity and achieve success of the company. Through instant data analysis, business forecasting, and KPI monitoring, businesses can improve over their rivals.

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