



InnoVision Business Review

Application of Generative AI in Business

This article reviews how Generative AI can be applied in different business domains to improve decision-making and business processes.

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Generative AI is transforming the way we make business decisions.

Across business domains, Generative AI can be an essential tool for businesses to make informed decisions. This article examines how Generative AI can be applied in different business domains to improve decision-making and business processes. .

All Business Domains

I. Data Analysis and Insights: Generative AI can analyse large datasets quickly and uncover patterns, trends, and insights that may not be immediately apparent to humans.

II. Strategic Decisions: By reviewing strategic business decisions using established business analysis frameworks and available market intelligence, Generative AI can inform strategic decisions across business domains.

Marketing Domain

I. Marketing Content Generation: It can automate content creation, including writing reports, generating product descriptions, or even drafting marketing materials.

II. Product Recommendation: Generative AI can help tailor marketing and product recommendations to individual customers, enhancing customer experience and engagement.

III. Demand Forecasting: It can analyze historical sales data and external factors to provide accurate demand forecasts, optimizing inventory management and supply chain operations.

IV. Customer Support: AI-powered chatbots and virtual assistants can handle routine customer inquiries and support, freeing up human agents for more complex tasks.

V. Market Research: AI can crawl the internet and social media to gather market intelligence and competitor insights, aiding in market strategy development.

VI. Product Development: Generative AI can assist in designing and prototyping products by generating design ideas based on specified criteria.

Language Translation: It can break language barriers by providing real-time translation services, enabling businesses to expand into global markets.

Operations and Supply Chain Domain

I. Supply Chain Optimization: AI can optimize supply chain logistics by predicting demand, identifying bottlenecks, and suggesting efficient routes and inventory levels.

II. Energy Efficiency: AI can optimize energy consumption in facilities by monitoring usage patterns and suggesting energy-saving measures.



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Finance & Legal Domain

- I. Risk Assessment:** AI can help predict potential risks and suggest risk mitigation strategies by analysing historical data and market conditions.
- II. Financial Analysis:** Generative AI can assist in financial modeling, investment analysis, and portfolio optimization.
- III. Fraud Detection:** AI algorithms can detect unusual patterns and anomalies in financial transactions, helping to prevent fraud.
- IV. Legal and Compliance:** It can assist in legal research, contract analysis, and compliance monitoring, reducing legal risks.

Human Resource Management Domain

- I. HR Processes:** It can streamline HR processes, such as resume screening, candidate matching, and even assist in drafting job descriptions.
- II. Performance Prediction:** It can help predict a candidate's potential for success in a given assignment.

Caution

- Review before use:** AI-recommended solutions must be reviewed by humans with the necessary expertise.
- Conformity with ethical norms:** Examine the decisions recommended to ensure that they conform to the institution's norms of ethical conduct.
- Data Privacy and Security Considerations:** Data privacy and security should also be kept in mind when implementing AI solutions in business processes.

(Written by Dr. Amit Bhadra, Founder, InnoVision Enterprise Solutions, Management Practitioner and Professor of Marketing, Operations & Strategy)