



Digital Technologies

Introduction

Through the poster, there will be a delineation based on the kind of digital resources that can be utilised in the prospect of the digital industry. Modern decades have seen an upsurging advancement in digital adaptation for many industries. The poster will delineate the perspective with alignment to the digital industry. Moreover, it will furnish a promotional aspect relevant to a particular profession within the industry.



Professional Prospects within the Digital Industry

Within the scope of the digital industry, one of the fastest-developing industries in the world, there is a relatively high demand with a considerably low range of supply. There are a significant number of existent job opportunities, where interested ones can seek opportunity. Some of the most relevant ones are the following.

1. Data Scientist or Data Analyst, who performs the role of furnishing statistical data from a large extent of unfiltered databases (Verhoef et al., 2021).
 2. User Experience Designers (UX Designers) who actually work behind the scenes to affirm that the manufactured software or websites are in perfect alignment with end users' needs.
 3. Software Developer, who performs the role of developing the particular and required software in line with the needs of the employees and organisations (Verhoef et al., 2021).
 4. Business Intelligence Analyst who remains at the helm of guiding the business towards the accomplishment of particular business goals or objectives.
 5. Cybersecurity Engineer, who handles all relevant cybersecurity-oriented aspects of a digital business.
- These are some of the prominent professional prospects within the digital industry.

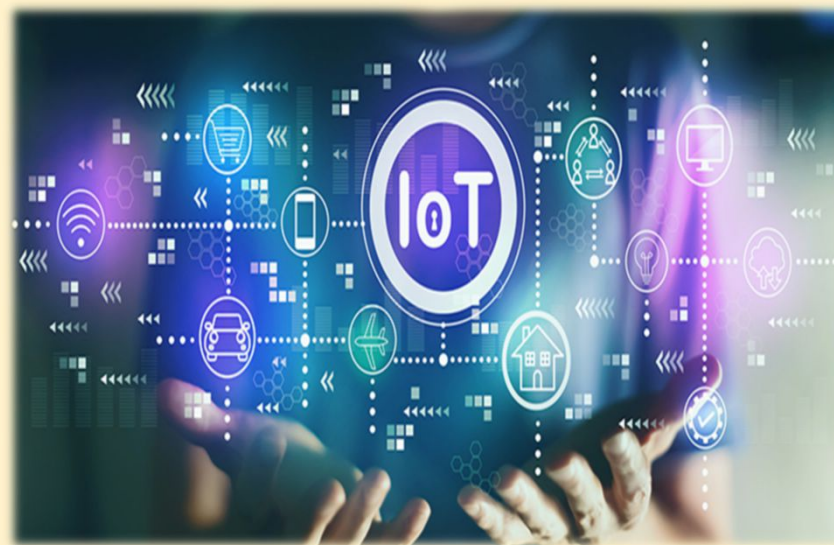
Conclusion

The poster has clearly explained the kind of digital resources and software that can help a digital technology-oriented business in the way towards extending the scope of business objectives. Considering the profound level of opportunity arising from the industry, it has delineated the probable professional chances that can emerge from the industry.

Examples of Digital Resources and their Uses By Professionals

Here are some of the digital technologies and resources used in the digital industry.

Internet of Things (IoT)



Internet of Things involves a wide network of interconnected systems that can source, process and share information, without the need of providing any manual support.

Uses: IoT can broadly be utilised to recognise different business patterns, recommend preventive measures and forecast any relevant issues that can come in the future prospects. It also suggests which data must be kept and which can possibly be discarded (Campbell et al., 2017).

Robotics



Robotics is one of the most recent upgrades brought in the way of incorporating digitisation through the activities performed. Contrary to traditional robotics, modern-day robotics has become more able in directly interact with humans and accordingly perform in a specified way.

Uses: Robotics can enhance the level of user experience, level up the business effectiveness and overall improve employee productivity (Campbell et al., 2017).

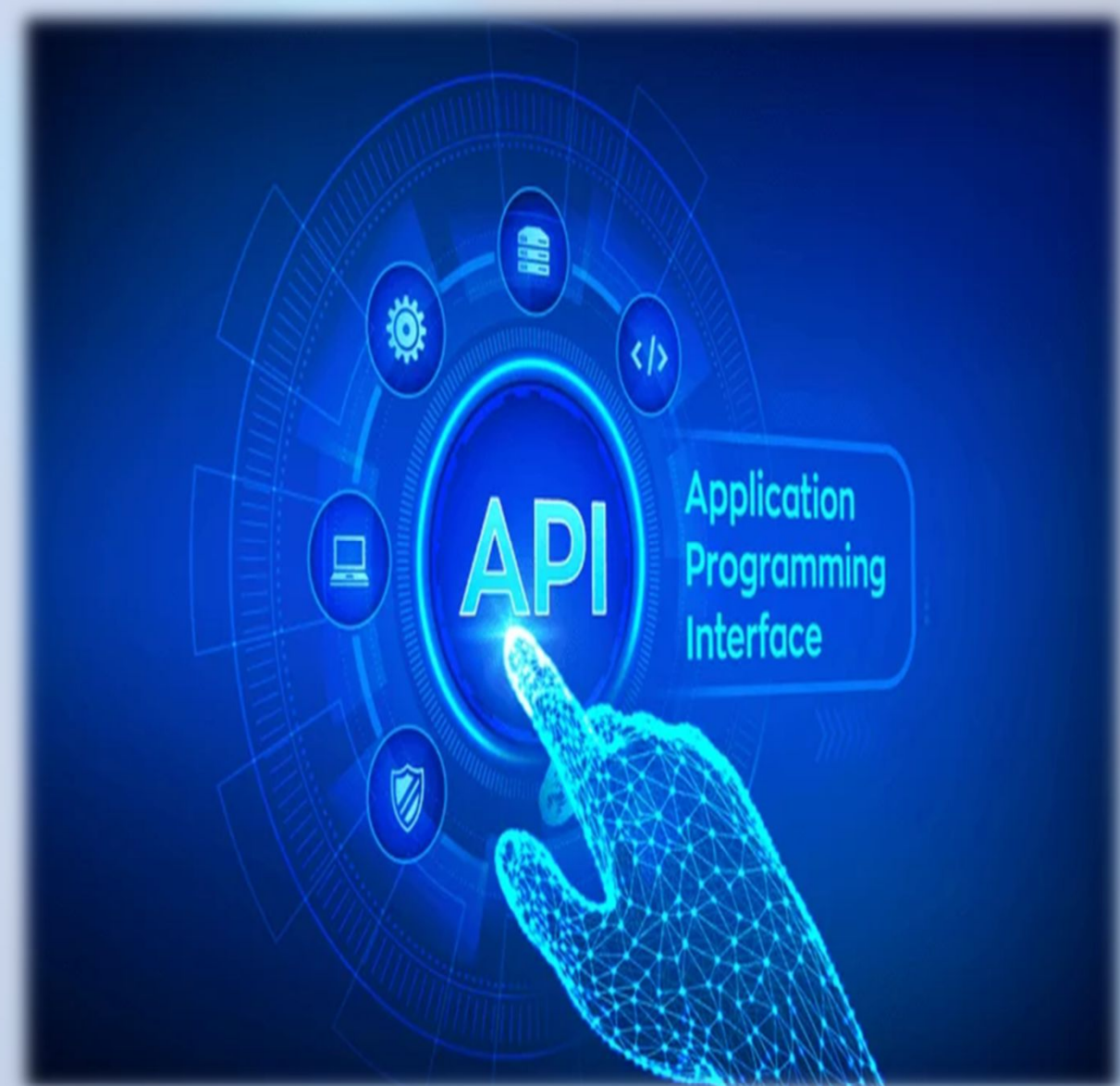


Big Data and Real-time Analytics

Big data analytics is another valuable resource for the digital industry to excel. Big data can actually interpret complex information to affirm relevant information like market trends, consumer behaviour and the possible interrelationships between existent trends (Carey et al., 2020). Real-time analytics refers to the paradigm through which logic and data interpretation, both get associated in making out sustainable decisions.

Uses: The ways through which big data and real-time analytics can help a business can be detailed in the following ways.

1. Big data and real-time analytics can efficiently help a business to access a profound level of information from diversified sources (Carey et al., 2020). Then accordingly, the business can come to know about valuable business insights.
2. For the digital industry, big data can help to bring forth new and upgraded product ranges for IT-based consumers.
3. Real-time analytics and big data can effortlessly provide support in assessing and keeping lots of data more secure and flexible through a relatively longer stretch of time (Carey et al., 2020).



Application Programming Interface (API)-related integrating software

API-based integration is one of the most prominent digital technologies, required for almost all digital service-providing organisations to incorporate within their business paradigm (Verhoef et al., 2021). This kind of integration can allow businesses to make a link between two or more internal business systems in order to ensure improved data sharing among them.

Uses: API-based integration can support a business in bringing a proper sync among data sources, enhance the level of business productivity and resultantly strengthen the revenue structure of the business.



References

- J. T. Campbell, S. M. Freund, M. Frydenberg, M. Z. Last, P. J. Pratt, S. L. Sebok, M. E. Vermaat (2017) Shelly Cashman Series Discovering Computers & Microsoft Office 365 & Office 2016: A Fundamental Combined Approach, 1st Edition
- P. Carey, K. T. Pinard, A. Shaffer, M. Shellman, S. Vodnik (2020) New Perspectives Microsoft Office 365 & Office 2019 Introductory, 1st Edition
- Verhoef, P.C., Broekhuizen, T., Bart, Y., Bhattacharya, A., Dong, J.Q., Fabian, N. and Haenlein, M., (2021). Digital transformation: A multidisciplinary reflection and research agenda. Journal of business research, 122, pp.889-901.
- J. T. Campbell, S. M. Freund, M. Frydenberg, M. Z. Last, P. J. Pratt, S. L. Sebok, M. E. Vermaat (2017) Shelly Cashman Series Discovering Computers & Microsoft Office 365 & Office 2016: A Fundamental Combined Approach, 1st Edition
- P. Carey, K. T. Pinard, A. Shaffer, M. Shellman, S. Vodnik (2020) New Perspectives Microsoft Office 365 & Office 2019 Introductory, 1st Edition
- Verhoef, P.C., Broekhuizen, T., Bart, Y., Bhattacharya, A., Dong, J.Q., Fabian, N. and Haenlein, M., (2021). Digital transformation: A multidisciplinary reflection and research agenda. Journal of business research, 122, pp.889-901.
- Poster, M., (2021). Consumption and digital commodities in the everyday. Cultural Studies Vol18 Issue 2, pp.409-423.
- Bahja, M., (2020). Natural language processing applications in business. E-Business-higher education and intelligence applications.