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GLOBAL IT ROBOTIC AUTOMATION MARKET FORECAST 2017-2025

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Abstracts

KEY FINDINGS

The Global IT robotic automation market generated revenue of $474.9 Million in 2016 and is anticipated to contribute $38877.9 Million by 2025, growing at a CAGR of 64.31%

increased efficiency over manual processes, ability to leverage other software without needing integration and improved scalability.

IT robotics automation refers to a practice where machine or computer software mimics human actions to complete rule-based and step-by-step tasks. In IT industry, automation software utilizes Robotic Process Automation (RPA) to accomplish robotic automation. IT robotics automation offers more adaptability to effectively decrease or increase production levels at low expense. Better flexibility offered by robotic automation can efficiently scale output at a settled level of known administration levels and values.

IT processes that can be managed by robotic automation are access management, request management, availability management, monitoring, incident management and problem management. IT robotic automation decreases operating costs and supports agility to meet customers' varying and evolving needs. Robotic automation decreases the need for humans in repetitive routine tasks and creates a virtual workforce, which can handle these repetitive tasks. Integration with other systems is not needed as automation occurs at the GUI layer.

IT robotics automation market is segmented on the basis of geography, technology, tools and service. Tools for IT robotics automation can be either model based

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application tools or process based application tools. Services for IT robotic automation can be further classified into professional, application management and infrastructure management and training services. Professional services are further classified into BPO, consultation & integration and development. Technologies used for robotic IT automation are back office data driven processes, IVR systems, remote infrastructure management, and digital detection and voice recognition market and internet services and retailers providers.

MARKET INSIGHTS

Market drivers for IT robotics automation are improved efficiency and cost benefits over manual process handling, increasing adoption in finance and accounting sector, potential alternative to offshore outsourcing, potential to leverage other software without integration and increase in security of processes as human intervention is decreased along with limited access to critical resources.

Process based application tools will report highest growth in the forecast period as demand for robotic automation of application management, request management, infrastructure management, access management, and others in the IT sector increases.

Factors that will restrain market growth are high initial development costs, social issues with releasing people from their jobs, security concerns as these automated systems wrongly interpret information and in the BPO sector, current contracts for project outsourcing will restrict utilization of IT automation.

Figure: Global IT robotics automation Market by Geography (%) in 2016

REGIONAL INSIGHTS

Market regions that are covered in the report are North America, Europe, Asia-Pacific and RoW. North America has the largest market share of IT robotics automation market followed by Europe. Demand for increased service quality from consumers; fast adoption of technology combined with worthwhile initiatives taken by tool providers for creating awareness about robotic automation tools has led to market growth.

Asia-Pacific market is expected to report highest growth in the years 2017-2025. Higher number of service providers and increasing awareness will lead to market growth in the forecast period.

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COMPETITIVE INSIGHTS

The major market players for IT robotics automation are Blue Prism, Be Informed B. V., Appian Corporation, IPSoft Inc., Tata Consultancy Services Limited, Hitachi, Toshiba, Google, GE and Genpact Ltd. Established companies have a good hold on the IT robotics automation market due to high cost of investment needed to enter and sustain in the market. Companies are forming alliances and are going for mergers and acquisitions to strengthen their market position. Organizations are investing in research and development to come up with novel and innovative products that will capture new market share.

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Contents

1. RESEARCH SCOPE

1.1. STUDY GOALS
1.2. SCOPE OF THE MARKET STUDY
1.3. WHO WILL FIND THIS REPORT USEFUL?
1.4. STUDY AND FORECASTING YEARS

2. RESEARCH METHODOLOGY

2.1. SOURCES OF DATA
2.2. BOTTOM UP APPROACH
2.3. TOP DOWN APPROACH
2.4. DATA TRIANGULATION

3. EXECUTIVE SUMMARY

3.1. MARKET SUMMARY
3.2. KEY FINDINGS
3.3. PRODUCT BENCHMARKING

4. MARKET OVERVIEW

4.1. DRIVERS AND IMPACT
4.2. RESTRAINS AND IMPACT

5. MARKET BY TOOLS

5.1. MODEL-BASED APPLICATION TOOLS
5.2. PROCESS-BASED APPLICATION TOOLS

6. MARKET BY TECHNOLOGY

6.1. BACK OFFICE DATA DRIVEN PROCESS
6.2. VOICE RECOGNITION MARKET
6.3. DIGITAL DETECTION
6.4. REMOTE INFRASTRUCTURE MANAGEMENT
6.5. IVR SYSTEMS

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6. INTERNET RETAILERS AND SERVICE PROVIDERS

7. MARKET BY SERVICES

8. PROFESSIONAL

8.1. CONSULTING
8.2. INTEGRATION AND DEVELOPMENT
8.3. APPLICATION MANAGEMENT
8.4. INFRASTRUCTURE MANAGEMENT

9. BPO

9.1. TRAINING
9.2. APPLICATION MANAGEMENT
9.3. INFRASTRUCTURE MANAGEMENT

10. KEY ANALYTICS

10.1. 5 FORCE ANALYSIS
10.2. TOP THREE MARKET TRENDS
10.3. TOP THREE GEOGRAPHIES
10.4. TOP THREE MARKET ANALYSIS
10.5. MERGERS AND ACQUISITIONS

11. REGIONAL ANALYSIS

11.1. NORTH AMERICA
  11.1.1. US
  11.1.2. CANADA
  11.1.3. REST OF NORTH AMERICA
11.2. EUROPE
  11.2.1. UK
  11.2.2. GERMANY
  11.2.3. FRANCE
  11.2.4. NORDICS
  11.2.5. RUSSIA
11.3. ASIA

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11.3.1. CHINA
11.3.2. JAPAN
11.3.3. SOUTH KOREA
11.3.4. INDIA
11.3.5. REST OF ASIA
11.4. ROW

12. COMPETITIVE ANALYSIS

12.1. BLUE PRISM
12.2. BE INFORMED B. V.
12.3. APPIAN CORPORATION
12.4. IPSOFT, INC.
12.5. TATA CONSULTANCY SERVICES LIMITED
12.6. HITACHI
12.7. TOSHIBA
12.8. GOOGLE
12.9. GE
12.10. GENPACT LTD.16. COMPETITIVE ANALYSIS

LIST OF TABLE

1. GLOBAL IT ROBOTIC AUTOMATION MARKET BY MODEL-BASED APPLICATION TOOLS 2017-2025($MILLION)

2. GLOBAL IT ROBOTIC AUTOMATION MARKET BY PROCESS-BASED APPLICATION TOOLS 2017-2025($MILLION)

3. GLOBAL IT ROBOTIC AUTOMATION MARKET BY BACK OFFICE DATA DRIVEN PROCESS 2017-2025($MILLION)

4. GLOBAL IT ROBOTIC AUTOMATION MARKET BY VOICE RECOGNITION MARKET 2017-2025($MILLION)

5. GLOBAL IT ROBOTIC AUTOMATION MARKET BY DIGITAL DETECTION 2017-2025($MILLION)

6. GLOBAL IT ROBOTIC AUTOMATION MARKET BY REMOTE INFRASTRUCTURE MANAGEMENT 2017-2025($MILLION)

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7. GLOBAL IT ROBOTIC AUTOMATION MARKET BY IVR SYSTEMS 2017-2025($MILLION)

8. GLOBAL IT ROBOTIC AUTOMATION MARKET BY INTERNET RETAILERS AND SERICE PROVIDERS 2017-2025($MILLION)

9. GLOBAL IT ROBOTIC AUTOMATION MARKET BY PROFESSIONAL 2017-2025($MILLION)

10. GLOBAL IT ROBOTIC AUTOMATION MARKET BY CONSULTING 2017-2025($MILLION

11. GLOBAL IT ROBOTIC AUTOMATION MARKET BY INTEGRATION AND DEVELOPMENT 2017-2025($MILLION)

12. GLOBAL IT ROBOTIC AUTOMATION MARKET BY APPLICATION MANAGEMENT 2017-2025($MILLION)

13. GLOBAL IT ROBOTIC AUTOMATION MARKET BY INFRASTRUCTURE MANAGEMENT 2017-2025($MILLION)

14. GLOBAL IT ROBOTIC AUTOMATION MARKET BY BPO 2017-2025($MILLION)

15. GLOBAL IT ROBOTIC AUTOMATION MARKET BY TRAINING 2017-2025($MILLION)

16. GLOBAL IT ROBOTIC AUTOMATION MARKET BY APPLICATION MANAGEMENT 2017-2025($MILLION)

17. GLOBAL IT ROBOTIC AUTOMATION MARKET BY INFRASTRUCTURE MANAGEMENT 2017-2025($MILLION)

18. NORTH AMERICA IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

19. UNITED STATES (U.S.) IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

20. CANADA IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

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21. REST OF NORTH AMERICA IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

22. EUROPE IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

23. UNITED KINGDOM (UK) IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

24. FRANCE IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

25. GERMANY IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

26. NORDICS IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

27. RUSSIA IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

28. ROE MARKET 2017-2025($MILLION)

29. ASIA PACIFIC IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

30. INDIA IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

31. CHINA IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

32. JAPAN IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

33. SOUTH KOREA IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

34. ROAPAC IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

35. REST OF THE WORLD IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

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List Of Figures

LIST OF FIGURES

1. MARKET SIZE ESTIMATION

2. DATA TRIANGULATION

3. VALUE CHAIN ANALYSIS

4. GLOBAL IT ROBOTIC AUTOMATION MARKET BY MODEL-BASED APPLICATION TOOLS 2017-2025($MILLION)

5. GLOBAL IT ROBOTIC AUTOMATION MARKET BY PROCESS-BASED APPLICATION TOOLS 2017-2025($MILLION)

6. GLOBAL IT ROBOTIC AUTOMATION MARKET BY BACK OFFICE DATA DRIVEN PROCESS 2017-2025($MILLION)

7. GLOBAL IT ROBOTIC AUTOMATION MARKET BY VOICE RECOGNITION MARKET 2017-2025($MILLION)

8. GLOBAL IT ROBOTIC AUTOMATION MARKET BY DIGITAL DETECTION 2017-2025($MILLION)

9. GLOBAL IT ROBOTIC AUTOMATION MARKET BY REMOTE INFRASTRUCTURE MANAGEMENT 2017-2025($MILLION)

10. GLOBAL IT ROBOTIC AUTOMATION MARKET BY IVR SYSTEMS 2017-2025($MILLION)

11. GLOBAL IT ROBOTIC AUTOMATION MARKET BY INTERNET RETAILERS AND SERICE PROVIDERS 2017-2025($MILLION)

12. GLOBAL IT ROBOTIC AUTOMATION MARKET BY PROFESSIONAL 2017-2025($MILLION)

13. GLOBAL IT ROBOTIC AUTOMATION MARKET BY CONSULTING

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2017-2025($MILLION

14. GLOBAL IT ROBOTIC AUTOMATION MARKET BY INTEGRATION AND DEVELOPMENT 2017-2025($MILLION)

15. GLOBAL IT ROBOTIC AUTOMATION MARKET BY APPLICATION MANAGEMENT 2017-2025($MILLION)

16. GLOBAL IT ROBOTIC AUTOMATION MARKET BY INFRASTRUCTURE MANAGEMENT 2017-2025($MILLION)

17. GLOBAL IT ROBOTIC AUTOMATION MARKET BY BPO 2017-2025($MILLION)

18. GLOBAL IT ROBOTIC AUTOMATION MARKET BY TRAINING 2017-2025($MILLION)

19. GLOBAL IT ROBOTIC AUTOMATION MARKET BY APPLICATION MANAGEMENT 2017-2025($MILLION)

20. GLOBAL IT ROBOTIC AUTOMATION MARKET BY INFRASTRUCTURE MANAGEMENT 2017-2025($MILLION)

21. NORTH AMERICA IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

22. UNITED STATES (U.S.) IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

23. CANADA IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

24. REST OF NORTH AMERICA IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

25. EUROPE IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

26. UNITED KINGDOM (UK) IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

27. FRANCE IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

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28. GERMANY IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

29. NORDICS IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

30. RUSSIA IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

31. ROE MARKET 2017-2025($MILLION)

32. ASIA PACIFIC IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

33. INDIA IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

34. CHINA IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

35. JAPAN IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

36. SOUTH KOREA IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

37. ROAPAC IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

38. REST OF THE WORLD IT ROBOTIC AUTOMATION MARKET 2017-2025($MILLION)

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