

# **Starting a Business of Medical Protective Gowns** 2

Profitable Industry of Medical Disposables.

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Y-1776



#### Introduction

Medical gowns are hospital gowns that medical personnel wear as personal protection equipment (PPE) to create a barrier between the patient and the professional. Patient gowns are sometimes thin, leaving exposed backs and arms, but PPE robes, as seen in the photo of the heart surgeon below, cover the majority of the exposed skin surfaces of professional physicians.



During surgical procedures, health-care staff should wear a surgical gown. When there is a medium to high danger of contamination and a need for a bigger criterion, surgical isolation robes are employed. Surgical drapes are an essential aspect of the operating room and are used for a variety of purposes, including protecting the patient's body and concealing utilities.





Surgical drapes are used during surgery to prevent contact with unprepared surfaces and to keep the environment, equipment, and the patient's surroundings as sterile as possible. Similarly, during surgical procedures, sterile surgical gowns are worn over the operating team's scrub suit to maintain a surgical field decrease the risk of pathogen and transmission to both patients and staff.

#### **Uses of Medical Disposables Gowns and Drapes**

Surgery drapes are used to maintain the surgical site sterile and shield suture material from contamination. Drapes are placed over the animal once it has been prepared and positioned on the surgical platform. The three types of draping materials available are cloth reusable drapes, paper disposable drapes, and disposable plastic sticky drapes.



The surgeon can cut any size or shape opening or fenestration in the drape using disposable drapes. Surgical gowns are essential protective apparel for medical personnel who want to safeguard their patients from infections like germs and viruses. If the bacteria are smaller than the microorganisms, they cannot pass through the pores of the clothing.



Surgical gowns are utilized when there is a medium to high risk of contamination and a need for larger vital zone protection. Nonsurgical gowns are worn when there is a little or no danger of infection.





#### **Market Outlook**

Surgical Drapes and Gowns Market was valued at USD 2.28 billion in 2018 and is expected to increase at a CAGR of 4.42 percent from 2019 to 2026, to reach USD 3.23 billion. The rising number of surgeries and the rising prevalence of hospital-acquired infections are the main drivers of this market's expansion. The increased use of surgical drapes to protect surgeons and patients from surgical site infections is the main driver of this market's growth.



The rising number of chronic diseases and operations, more knowledge of the use of surgical drapes and gowns, and the rising prevalence of hospital-acquired infections are all driving this industry forward. However, the market's expansion will be limited by the reuse of surgical drapes and gowns. Due to the growth of expanding infrastructure, the Asia-Pacific area is predicted to be a profitable market.



Increased awareness of chronic diseases and initiatives to promote the use of disposable surgical drapes and gowns are projected to boost the surgical drapes and gowns market size in the near future.





### **Increasing Demand of**

## **Medical Disposables**

## **Gowns and Drapes**

## **Because of Covid-19**

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Medical gowns are important personal protective equipment (PPE) that keep bacteria and bodily fluids from spreading. Due to shortages, reusable PPE is often advised during surge capacity scenarios, like as the COVID-19 pandemic. Personal protective equipment (PPE) became a household name as a result of the **COVID-19** pandemic, as many residents were made aware of its importance in preventing community spread and protecting front-line health care workers (HCWs).

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PPE is defined as "an item of clothing that is especially designed and manufactured to isolate all or part of the body from a possible hazard or to isolate the external environment from contamination by the wearer of the garment." HCWs use protective clothing to prevent the spread of blood, body fluids, and other potentially infectious materials, as well as to help preserve the environment.



During patient care, these clothes are the HCW's only line of defense and protection against potentially fatal infectious diseases and viruses. During the COVID-19 pandemic, a serious scarcity of necessary PPE generated worry among health care personnel, who feared being infected by the patients they cared for and, as a result, passing the virus on to their own families.

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Medical gowns, which include both isolation and surgical gowns, are an important aspect of health care workers' PPE. Following gloves, medical gowns have been identified as the second most widely utilized PPE item in health care settings.









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#### **Machinery Photographs**



#### **Disposable Medical Gowns Making Machine**





#### **Fabric Cutting Machine**

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| COST O                             | F PROJE  | СТ       | MEANS OF FINANCE |                                |          |          |        |  |  |
|------------------------------------|----------|----------|------------------|--------------------------------|----------|----------|--------|--|--|
| Particulars                        | Existing | Proposed | Total            | Particulars                    | Existing | Proposed | Total  |  |  |
| Land & Site Development<br>Exp.    | 0.00     | 80.00    | 80.00            | Capital                        | 0.00     | 132.22   | 132.22 |  |  |
| Buildings                          | 0.00     | 130.50   | 130.50           | Share Premium                  | 0.00     | 0.00     | 0.00   |  |  |
| Plant & Machineries                | 0.00     | 209.39   |                  | Other Type Share<br>Capital    | 0.00     | 0.00     | 0.00   |  |  |
| Motor Vehicles                     | 0.00     | 12.00    | 12.00            | Reserves & Surplus             | 0.00     | 0.00     | 0.00   |  |  |
| Office Automation<br>Equipments    | 0.00     | 29.50    | 29.50            | Cash Subsidy                   | 0.00     | 0.00     | 0.00   |  |  |
| Technical Knowhow Fees<br>& Exp.   | 0.00     | 20.00    | 20.00            | Internal Cash Accruals         | 0.00     | 0.00     | 0.00   |  |  |
| Franchise & Other<br>Deposits      | 0.00     | 0.00     |                  | Long/Medium Term<br>Borrowings | 0.00     | 396.65   | 396.65 |  |  |
| Preliminary& Pre-<br>operative Exp | 0.00     | 5.00     |                  | Debentures / Bonds             | 0.00     |          | 0.00   |  |  |
| Provision for<br>Contingencies     | 0.00     | 20.00    |                  | Unsecured<br>Loans/Deposits    | 0.00     |          | 0.00   |  |  |
| Margin Money - Working<br>Capital  | 0.00     | 22.49    | 22.49            |                                |          |          |        |  |  |
| TOTAL                              | 0.00     | 528.87   | 528.87           | TOTAL                          | 0.00     | 528.87   | 528.87 |  |  |
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|      |       |       |                            |       |              |                      |       |        |                             | 2              | www.niir.org               |
|------|-------|-------|----------------------------|-------|--------------|----------------------|-------|--------|-----------------------------|----------------|----------------------------|
| Year |       |       | nnualised Book De<br>Value |       | Dividend     | Retained<br>Earnings |       | Payout | Probable<br>Market<br>Price | P/E<br>Ratio   | Yield Price/<br>Book Value |
|      | EPS   | CEPS  | Per S                      | Share | Per<br>Share | Per Share            |       |        |                             | No.of<br>Times |                            |
|      | •     | •     | •                          | •     |              | %                    | •     | %      | •                           |                | %                          |
| 1-2  | 6.65  | 10.76 | 16.65                      | 24.00 | 0.00         | 100.00               | 6.65  | 0.00   | 6.65                        | 1.00           | 0.00                       |
| 2-3  | 9.76  | 13.33 | 26.42                      | 18.00 | 0.00         | 100.00               | 9.76  | 0.00   | 9.76                        | 1.00           | 0.00                       |
| 3-4  | 12.78 | 15.88 | 39.19                      | 12.00 | 0.00         | 100.00               | 12.78 | 0.00   | 12.78                       | 1.00           | 0.00                       |
| 4-5  | 15.66 | 18.37 | 54.85                      | 6.00  | 0.00         | 100.00               | 15.66 | 0.00   | 15.66                       | 1.00           | 0.00                       |
| 5-6  | 18.40 | 20.77 | 73.25                      | 0.00  | 0.00         | 100.00               | 18.40 | 0.00   | 18.40                       | 1.00           | 0.00                       |
|      |       |       |                            |       |              |                      |       |        |                             |                |                            |



|         |                   |                |             |                              |           |      |                           |            |        |            | <u>www.nii</u>              | ir.org             |        |       |
|---------|-------------------|----------------|-------------|------------------------------|-----------|------|---------------------------|------------|--------|------------|-----------------------------|--------------------|--------|-------|
| Year    | D                 | 0. S. C. R.    |             | Debt / -<br>Deposits<br>Debt |           | Net  | Return<br>on Net<br>Worth | -          |        |            | Assets<br>Turnover<br>Ratio | Current<br>Ratio   |        |       |
|         |                   | Cumulati<br>ve | Ove<br>rall |                              |           |      |                           | GPM        | PBT    | ΡΑΤ        | Net<br>Contrib<br>ution     | P/V<br>Ratio       |        |       |
|         | (Number of times) |                | ies)        | (Number (                    | of times) | %    | %                         | %          | %      | %          |                             | %                  |        |       |
| Initial |                   |                |             | 3.00                         | 3.00      |      |                           |            |        |            |                             |                    |        |       |
| 1-2     | 1.54              | 1.54           |             | 1.44                         | 1.44      | 1.63 |                           | 37.27<br>% | 22.36% | 15.64<br>% | 525.44                      | 93.41 <sup>(</sup> | % 1.00 | 1.05  |
| 2-3     | 1.90              | 1.71           |             | 0.68                         | 0.68      | 0.82 |                           | 42.18<br>% | 29.87% | 19.67<br>% | 603.19                      | 91.91°             | % 1.06 | 1.81  |
| 3-4     | 2.30              | 1.90           | 2.30        | 0.31                         | 0.31      | 0.41 |                           | 45.42<br>% | 35.03% | 22.52<br>% | 689.12                      | 91.88°             | % 1.05 | 2.77  |
| 4-5     | 2.77              | 2.09           |             | 0.11                         | 0.11      | 0.19 |                           | 47.54<br>% | 38.59% | 24.54<br>% | 775.06                      | 91.86°             | % 0.99 | 3.88  |
| 5-6     | 3.32              | 2.30           |             | 0.00                         | 0.00      | 0.07 |                           | 48.86<br>% | 41.01% | 25.95<br>% |                             | 91.84 <sup>c</sup> | % 0.92 | 11.43 |
|         |                   |                |             |                              |           |      |                           |            |        |            |                             |                    |        |       |



| BEP   |                  |
|---|------------------|
|   |                  |
| BEP - Maximum Utilisation Year              | 5                |
|   |                  |
| Cash BEP (% of Installed Capacity)          | 51.52%           |
|   |                  |
| Total BEP (% of Installed Capacity)         | 55.16%           |
|   |                  |
|   |                  |
| IRR, PAYBACK and FACR                       |                  |
| Internal Rate of Return ( In %age )         | 30.54%           |
| Internal Rate of Return ( In %aye )         | 30.54 %          |
|   |                  |
|   |                  |
| Payback Period of the Project is (In Years) | 2 Years 2 Months |
|   |                  |
| Fixed Assets Coverage Ratio (No. of times)  | 3.110            |
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|   |                  |



- 1. What is Medical Disposables Gowns and Drapes Manufacturing industry ?
- 2. How has the Medical Disposables Gowns and Drapes Manufacturing industry performed so far and how will it perform in the coming years ?
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#### **11. B.I.S. SPECIFICATIONS**

- IS 16549: 2016 SURGICAL DRAPES, GOWNS AND CLEAN AIR SUITS, USED AS MEDICAL DEVICES, FOR PATIENTS, CLINICAL STAFF AND EQUIPMENT - TEST METHOD TO DETERMINE THE RESISTANCE TO WET BACTERIAL PENETRATION
- IS 17334: 2019 MEDICAL TEXTILES— SURGICAL GOWNS AND SURGICAL DRAPES— SPECIFICATION
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# Reasons for Buying U R P

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 This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product
 This report provides vital information on the product

like it's characteristics and segmentation

\* This report helps you market and place the product correctly by identifying the target customer group of the product



- \* This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials
- \* The report provides a glimpse of government regulations applicable on the industry
- \* The report provides forecasts of key parameters which helps anticipate the industry performance and make sound business decisions





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- The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players
- We use reliable sources of information and databases. And information from such sources is processed by us and included in the report

# **Scope of the Report**

The report titled "Market Survey cum Detailed Techno Economic Feasibility Report on Medical Disposables Gowns and Drapes." provides an insight into Medical Disposables Gowns and Drapes market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and **Project Financials of Medical Disposables Gowns and Drapes** project. The report assesses the market sizing and growth of the Indian Medical Disposables Gowns and Drapes Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:





- Good Present/Future Demand
- Export-Import Market Potential
- Raw Material & Manpower Availability
- Project Costs and Payback Period

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the Medical Disposables Gowns and Drapes sector in India along with its business prospects. Through this report we have identified Medical Disposables Gowns and Drapes project as a lucrative investment avenue.



Tags

**#DetailedProjectReport #businessconsultant #BusinessPlan #feasibilityReport #NPCS #startupbusiness** *#entrepreneurindia* **#ProjectReport #startup #projectconsultancy #businessopportunity #MedicalGowns #MedicalDrapes #MedicalDisposable #MedicalDisposableProducts #MedicalIndustry** 



# NIR PROJECT CONSULTANCY SERVICES (NPCS) can provide Detailed Project Report on Medical Disposables Gowns and Drapes

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#### (Instant Online Project Identification and Selection)

Finding the right startup business is one of the most popular subject today. Starting a business is no easy endeavor, but the time, effort, and challenges can be worth it if you succeed. To give yourself the best chance to be successful, take your time to carefully find the right business for you. We, at NPCS, endeavor to make business selection a simple and convenient step for any entrepreneur/startup. Our expert team, by capitalizing on its dexterity and decade's long experience in the field, has created a list of profitable ventures for entrepreneurs who wish to diversify or venture. The list so mentioned is updated regularly to give you a regular dose of new emerging opportunities.

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- NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.
- Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.



- And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:
- **Good Present/Future Demand**
- **Export-Import Market Potential**
- □ Raw Material & Manpower Availability
- **Project Costs and Payback Period**

The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule,



Working Capital Requirement, uses and applications, Plant Layout, Project Financials, Process Flow Sheet, Cost of **Project, Projected Balance Sheets, Profitability Ratios, Break** Even Analysis. The DPR (Detailed Project Report) is formulated by highly accomplished and experienced consultants and the market research and analysis are supported by a panel of experts and digitalized data bank. We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in India along with its business prospects.....Read more

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## **Contact us** Nir Project Consultancy Services

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- Fax: +91-11-23845886
- Website : <u>www.entrepreneurindia.co</u> , <u>www.niir.org</u>
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# NIR PROJECT CONSULTANCY SERVICES

### AN ISO 9001: 2015 CERTIFIED COMPANY

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### Who are we?

- One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services
- We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad

We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, **Overseas and NRI Clients have appreciated** our expertise for excellence which speaks about our commitment volumes and dedication to every client's success.

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We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.



What do we offer?

- Project Identification
- Detailed Project Reports/Pre-feasibility Reports
- Market Research Reports
- > Business Plan
- > Technology Books and Directory
- Industry Trend
- Databases on CD-ROM
- Laboratory Testing Services
- Turnkey Project Consultancy/Solutions
- Entrepreneur India (An Industrial Monthly Journal)



How are we different ?

- We have two decades long experience in project consultancy and market research field
  We empower our customers with the prerequisite know-how to take sound business decisions
- We help catalyze business growth by providing distinctive and profound market analysis
- We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors
- We use authentic & reliable sources to ensure business precision







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### Who do we Serve?

- Public-sector Companies
- Corporates
- Government Undertakings
- Individual Entrepreneurs
- NRI's
- Foreign Investors
- Non-profit Organizations, NBFC's
- Sectional Institutions
- Embassies & Consulates
- Consultancies
- Industry / trade associations





### **Sectors We Cover**

- \* Ayurvedic And Herbal Medicines, Herbal Cosmetics
- Alcoholic And Non Alcoholic Beverages, Drinks
- Adhesives, Industrial Adhesive, Sealants, Glues, Gum
  & Resin
- Activated Carbon & Activated Charcoal
- Aluminium And Aluminium Extrusion Profiles & Sections
- Sio-fertilizers And Biotechnology
- Breakfast Snacks And Cereal Food
- Bicycle Tyres & Tubes, Bicycle Parts, Bicycle
  Assembling



- Samboo And Cane Based Projects
- Suilding Materials And Construction Projects
- Siodegradable & Bioplastic Based Projects
- Chemicals (Organic And Inorganic)
- Confectionery, Bakery/Baking And Other Food
- Cereal Processing
- Coconut And Coconut Based Products
- Cold Storage For Fruits & Vegetables
- Coal & Coal Byproduct



- Copper & Copper Based Projects
- Dairy/Milk Processing
- Disinfectants, Pesticides, Insecticides, Mosquito Repellents,
- Selectrical, Electronic And Computer based Projects
- Sessential Oils, Oils & Fats And Allied
- Service States State
- Fibre Glass & Float Glass
- Fast Moving Consumer Goods
- Food, Bakery, Agro Processing





- Fruits & Vegetables Processing
- \* Ferro Alloys Based Projects
- Fertilizers & Biofertilizers
- Singer & Ginger Based Projects
- Herbs And Medicinal Cultivation And Jatropha (Biofuel)
- \* Hotel & Hospitability Projects
- \* Hospital Based Projects
- \* Herbal Based Projects
- Inks, Stationery And Export Industries





- ✤ Infrastructure Projects
- Jute & Jute Based Products
- Leather And Leather Based Projects
- Leisure & Entertainment Based Projects
- Livestock Farming Of Birds & Animals
- Minerals And Minerals
- Maize Processing(Wet Milling) & Maize Based
  Projects
- Medical Plastics, Disposables Plastic Syringe,
  Blood Bags
- Organic Farming, Neem Products Etc.



#### Sectors We Cover cont...

- Paints, Pigments, Varnish & Lacquer
- Paper And Paper Board, Paper Recycling Projects
- Printing Inks
- Packaging Based Projects
- Perfumes, Cosmetics And Flavours
- Power Generation Based Projects & Renewable
  Energy Based Projects
- Pharmaceuticals And Drugs
- Plantations, Farming And Cultivations
- Plastic Film, Plastic Waste And Plastic Compounds
- ✤ Plastic, PVC, PET, HDPE, LDPE Etc.



### Sectors We Cover Cont...

- Potato And Potato Based Projects
- Printing And Packaging
- \* Real Estate, Leisure And Hospitality
- Rubber And Rubber Products
- Soaps And Detergents
- Stationary Products
- Spices And Snacks Food
- Steel & Steel Products
- Textile Auxiliary And Chemicals





Sectors We Cover cont...

- Township & Residential Complex
- Textiles And Readymade Garments
- Waste Management & Recycling
- Wood & Wood Products
- Water Industry(Packaged Drinking Water & Mineral Water)
- Wire & Cable



# Narket Research

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# Objective

- To get a detailed scenario of the industry along with its structure and classification
- To provide a comprehensive analysis of the industry by covering aspects like:
  - Growth drivers of the industry
  - Latest market trends
  - □ Insights on regulatory framework
  - SWOT Analysis
  - Demand-Supply Situation
  - Foreign Trade
  - Porters 5 Forces Analysis







- To provide forecasts of key parameters which helps to anticipate the industry performance
- To help chart growth trajectory of a business by detailing the factors that affect the industry growth
- To help an entrepreneur/manager in keeping abreast with the changes in the industry
- To evaluate the competitive landscape of the industry by detailing:
  - □ Key players with their market shares
  - □ Financial comparison of present players







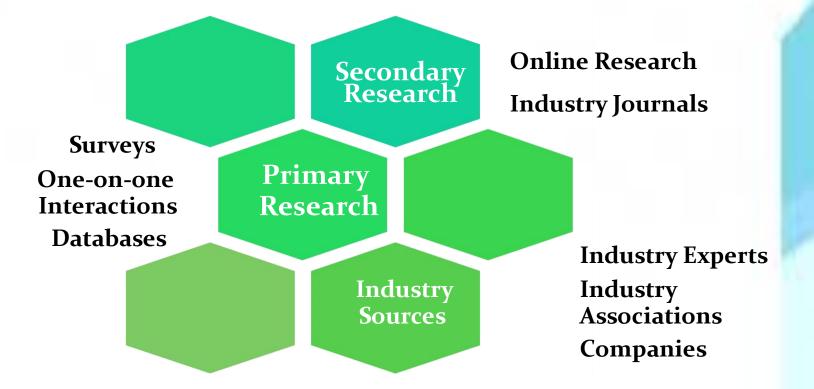
- Venturist/Capitalists
- Entrepreneur/Companies
- Industry Researchers
- Investment Funds
- Foreign Investors, NRI's
- Project Consultants/Chartered Accountants
- Banks
- Corporates

### Click here for list









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# Scope & Coverage









- **Our research team comprises of experts** 
  - from various financial fields:
- □ MBA's
- □ Industry Researchers
- Financial Planners
- **Research veterans with decades of experience**





### Structure of the Report **Structure of the Bebort**

- **1.** Overview
- 2. Market Analysis
  - **2.1** Growth Drivers
  - **2.2** Emerging Trends in the Industry
  - **2.3** Regulatory Framework
  - 2.4 SWOT Analysis
  - **2.5** Herfindahl–Hirschman Index (HHI)
- **3. Market Forecasts**
- 4. Key Players





- **5.** Key Financials and Analysis
  - **5.1** Contact Information
  - **5.2** Key Financials
  - **5.3** Financial comparison
- **6.** Industry Size & Outlook





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