

Setting Up Best Industry and Be Your Own Boss!

Surgical Sutures (Assembling) E-Rickshaw and E-Loader Glass Fiber Reinforced Polymer (GFRP) Rebar

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Introduction

Are you seeking for strategies to launch your company? If so, you've arrived at the ideal location. A business can be started with little difficulty. You can start your own company in a variety of industries with the correct tools and information. In this article, we'll discuss how to launch a company that sells glass fiber reinforced polymer rebar, e-rickshaws, and surgical sutures.



AN ISO 9001 : 2015 CERTIFIED COMPANY

A Business Plan for

Surgical Sutures (Assembling)

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Medical operations involve surgical sutures, which are a crucial component of the medical sector. In order to prevent scarring, hold tissue together, shut wounds, and speed up healing, sutures are utilised. Numerous materials, including nylon, polyester, silk, and absorbent ones, can be used to create them.

> Visit this Page for more Information: <u>Start a</u> <u>Business in Medical Disposables Industry</u>

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Uses and Applications

Surgeons and other medical professionals utilize surgical sutures as a crucial tool in a range of different procedures. Sutures are crucial for a patient's safety and successful recovery during everything from straightforward stitching to complicated procedures. Surgical sutures can be used for a variety of procedures, including complex plastic surgery and wound healing. They might even be applied in specific circumstances to fix bones or organs.

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Indian Market Outlook

During the years 2022–2027, the surgical sutures market in India is anticipated to grow at a CAGR of 8.01%. The primary factors driving the market expansion in India are the rising instances of many chronic diseases and the rising number of operations. The market for surgical sutures is also being driven by the growing elderly population, who are more likely to suffer from a variety of medical conditions. The adoption of healthcare standards to boost efficiency and safety during invasive surgical operations is also fueling demand for the product.

Related Business Plan: <u>A business Plan For Surgical Sutures (Assembling)</u>

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Global Market Outlook 🔎

The size of the global market for surgical sutures was estimated at USD 4.2 billion in 2021, and it is anticipated to increase at a CAGR of 5.8% from 2022 to 2030. With a revenue share of more than 35.0% in 2021, the others category commanded a hefty piece of the surgical suture market.

Read our Books Here: <u>Handbook on Medical and Surgical Disposable Products (Blood Bags, Plastic Gloves,</u> <u>I.V. Cannula, Infusion Set, Gowns, Masks, Catheter, Cotton and Bandage, Surgical Wear, Syringes</u>)



The second-largest revenue share in 2021 belonged to the cardiovascular surgery sector. This is because cardiac disorders are prevalent, there are enough experts in the field, favorable reimbursement policies, and improvements in diagnostic technology. Due to this, there are now significantly more cardiac operations being performed, which will raise demand for surgical sutures over the projection period.

> Watch other Informative Videos: <u>Medical Devices</u> <u>& Surgical Disposables in India - By NPCS</u>



Start Production of





E-RICKSHAW AND E-LOADER

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An electric vehicle used for public transportation is called an erickshaw. It is a cost-effective, time-saving, and environmentally beneficial method of transportation. It is a battery-powered, three-wheeled motorized vehicle, making it a sustainable form of transportation.

> Visit this Page for more Information: <u>Start a</u> <u>Business in Electric Vehicle Industry</u>



Benefits of Starting E-Rickshaw and E-Loader Business

The fact that e-rickshaw and e-loader businesses are relatively easy to start and operate is one of their key advantages. You may rapidly start providing services to clients and start making money with little initial outlay. These cars are an excellent long-term investment because they are also quite simple to maintain. Erickshaws and e-loaders also have the advantage of being very efficient. Since they are driven by electricity, they emit no emissions and use a lot less energy than conventional internal combustion engines.

> Related Business Plan: <u>Start production</u> of <u>E-Rickshaw and E-Loader</u>

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Indian Market Outlook

In 2021, the market for electric rickshaws in India was worth US\$1.1 billion. Looking ahead, IMARC Group projects that the market will develop at a compound annual growth rate (CAGR) of 11.34% from 2022 to 2027, reaching US\$ 2.1 billion. Battery-powered three-wheelers called electric rickshaws have better economics and lower operating and maintenance costs. They are made up of a throttle, motor, controller, harness, and batteries. They are fire resistant, tough, non-conductive, light, and highly durable.



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Global Market Outlook

By 2027, the size of the global e-rickshaw market is anticipated to be US\$18.40 billion, growing at a 33% CAGR. Electricity is used by the E-rickshaw to power the vehicle. These rickshaws typically have three wheels and are employed for either the transportation of people or of cargo. Due to the affordable transportation offered by this rickshaw, the Indian, Chinese, and ASEAN regions employ rickshaws as their predominant means of commercial passenger transportation. The ability of rickshaws to manoeuvre through urban traffic jams is one of their biggest advantages, and it is this feature that is fueling demand for global e-rickshaws.

Read our Books Here: <u>Handbook on Electric Vehicles Manufacturing (E- Car,</u> <u>Electric Bicycle, E- Scooter, E-Motorcycle, Electric Rickshaw, E- Bus, Electric</u> <u>Truck with Assembly Process, Machinery Equipments & Layout</u>)

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Setup

Glass Fiber Reinforced Polymer (GFRP) Rebar

Plant



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A form of composite material called Glass Fiber Reinforced Polymer (GFRP) Rebar is created by fusing glass fibers with a polymer matrix. When employed to reinforce concrete structures, this combination produces a material that is robust, long-lasting, and corrosion-resistant. In comparison to conventional steel rebar, GFRP Rebar provides a number of benefits, including greater strength, increased flexibility, lightweight, and ease of installation.

> Visit this Page for more Information: <u>Start a</u> <u>Business in Glass Manufacturing Industry</u>



Benefits of Starting GFRP Rebar Industry

A novel composite material comprised of epoxy resin and glass fiber called Glass Fiber Reinforced Polymer (GFRP) Rebar provides a distinctive replacement for conventional steel rebar. Due to its many benefits, including its strength and flexibility, resistance to corrosion, low weight, and electrical insulating qualities, it has been used more and more in the building business.





Rebar made of GFRP is less expensive than rebar made of conventional steel, making it a more affordable choice for building projects. Additionally, due to its strength and corrosion resistance, it is extremely adaptable and may be used in any application or environment. The fact that GFRP rebar is 100 percent recyclable makes it an environmentally favorable option for building projects.

> Related Business Plan: <u>Setup Glass Fiber</u> Reinforced Polymer (GFRP) Rebar Plant



Global Market Outlook

At a projected CAGR of 13.0%, the size of the worldwide GFRP Rebar market is expected to increase from USD 187 million in 2021 to USD 389 million by 2027. The market is projected to benefit from rising demand for wind energy composites and expanding applications in the marine industry.

Watch other Informative Videos: <u>Glass, Flat Glass, Art Glass, Hollow Glass</u>, <u>Automotive Glass, Optical Glass, glass processing line, Glassware Industry</u>







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NPCS can provide Market **Survey Cum Detailed Techno Economic Feasibility Report on mentioned** businesses.

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> PROJECT LOCATION

- State Profile & Geotechnical Site Characterization
- General
- History
- Geography
- Climate
- Topography
- Demography
- Administrative





-
- Transportation and Telecommunications
- Map

> INTRODUCTION

- Project Introduction
- Project Objective and Strategy
- Concise History of the Product
- Properties
- BIS (Bureau of Indian Standards) Provision & Specification
- Uses & Applications



> INDIAN MARKET STUDY AND ASSESSMENT

- Current Indian Market Scenario
- Present Market Demand and Supply
- Estimated Future Market Demand and Forecast
- Statistics of Import & Export
- Names & Addresses of Existing Units (Present Players)
- Market Opportunity

> RAW MATERIAL

- List of Raw Materials
- Properties of Raw Materials



- Prescribed Quality of Raw Materials
- List of Suppliers and Manufacturers

> PERSONNEL (MANPOWER) REQUIREMENTS

• Requirement of Staff & Labor (Skilled and Unskilled) Managerial, Technical, Office Staff and Marketing Personnel

> PLANT AND MACHINERY

- List of Plant & Machinery
- Miscellaneous Items
- Appliances & Equipment





- Laboratory Equipment & Accessories
- Electrification
- Electric Load & Water
- Maintenance Cost
- Sources of Plant & Machinery (Suppliers and Manufacturers)
- > MANUFACTURING PROCESS AND FORMULATIONS
- Process of Manufacture with Formulation
- Packaging Required
- Process Flow Sheet Diagram



> INFRASTRUCTURE AND UTILITIES

- Project Location
- Requirement of Land Area
- Rates of the Land
- Built Up Area
- Construction Schedule
- Plant Layout and Requirement of Utilities





Financial Statements of the Business

•	Project at a Glance	Annexure
•	Assumptions for Profitability workings	1
•	Plant Economics	2
•	Production Schedule	
•	Land & Building Factory Land & Building	4
	Site Development Expenses	





•	Plant & Machinery5
	Indigenous Machineries
	Other Machineries (Miscellaneous, Laboratory etc.)

•	Other Fixed Assets		
	Furniture & Fixtures		
	Pre-operative and Preliminary Expenses		
	Technical Knowhow		
	Provision of Contingencies		
•	Working Capital Requirement Per Month7		
	Raw Material		
	Packing Material		
	Lab & ETP Chemical Cost		
	Consumable Store		







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- Annexure 1 :: Cost of Project and Means of Finance
- Annexure 2 :: Profitability and Net Cash Accruals
- Revenue/Income/Realisation
- Expenses/Cost of Products/Services/Items
- Gross Profit
- Financial Charges
- Total Cost of Sales
- Net Profit After Taxes
- Net Cash Accruals







- Annexure 3 :: Assessment of Working Capital requirements
- **Current Assets**
- **Gross Working Capital**
- **Current Liabilities**
- **Net Working Capital**
- Working Note for Calculation of Work-in-process
- Annexure 4 :: Sources and Disposition of Funds









• Annexure 5 :: Projected Balance Sheets

- ROI (Average of Fixed Assets)
 RONW (Average of Share Capital)
 ROI (Average of Total Assets)
- Annexure 6 :: Profitability Ratios
- **D.S.C.R**
- Earnings Per Share (EPS)
 Debt Equity Ratio

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• Annexure 7 :: Break-Even Analysis

- Variable Cost & Expenses
- Semi-Variable/Semi-Fixed Expenses
- Profit Volume Ratio (PVR)
- Fixed Expenses / Cost
- **B.E.P**









• Annexure 8 to 11 :: Sensitivity Analysis-Price/Volume

- Resultant N.P.B.T
- Resultant D.S.C.R
- Resultant PV Ratio
- Resultant DER
- Resultant ROI
- Resultant BEP









- Annexure 12 :: Shareholding Pattern and Stake Status
- Equity Capital
- Preference Share Capital
- Annexure 13 :: Quantitative Details-Output/Sales/Stocks
- Determined Capacity P.A of Products/Services
- Achievable Efficiency/Yield % of Products/Services/Items
- Net Usable Load/Capacity of Products/Services/Items
- Expected Sales/ Revenue/ Income of Products/ Services/ Items









Product wise Domestic Sales Realisation Annexure 14 •• **Total Raw Material Cost** Annexure 15 ••• Annexure 16 **Raw Material Cost per unit** ••• **Total Lab & ETP Chemical Cost** Annexure 17 ••• **Consumables, Store etc.** Annexure 18 ••• **Packing Material Cost** Annexure 19 ••• **Packing Material Cost Per Unit** Annexure 20 •••







- Annexure 21 :: Employees Expenses
- Annexure 22 :: Fuel Expenses
- Annexure 23 :: Power/Electricity Expenses
- Annexure 24 :: Royalty & Other Charges
- Annexure 25 :: Repairs & Maintenance Expenses
- Annexure 26 :: Other Manufacturing Expenses
- Annexure 27 :: Administration Expenses
- Annexure 28 :: Selling Expenses

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- Annexure 29 :: Depreciation Charges as per Books (Total)
- Annexure 30 :: Depreciation Charges as per Books (P & M)
- Annexure 31 :: Depreciation Charges as per IT Act WDV (Total)
- Annexure 32 :: Depreciation Charges as per IT Act WDV (P & M)
- Annexure 33 :: Interest and Repayment Term Loans
- Annexure 34 :: Tax on Profits
- Annexure 35 :: Projected Pay-Back Period and IRR







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#Surgicalinstruments, #Surgicalsutures, #Surgeon, #Vicryl,
#Medical, #Medicaldevices, #Erickshaw, #Eloader, #Rickshaw,
#Loader, #Automotive, #Electric, #Electricvehicles, #Inverter,
#Electricriksha, #Electricrikshabattery, #Glass, #Fiber,
#Reinforced, #Polymer, #GFRP, #Rebar, #GlassFiber, #Polymer,



Major Queries/Questions Answered in Business Plan

- 1. How has the industry performed so far and how will it perform in the coming years?
- 2. What is the Business Feasibility Study of the Plant?
- 3. What are the requirements of Working Capital for setting up the plant?
- 4. What is the structure of the industry and who are the key/major players?





- 5. What is the total Startup cost for setting up the plant?
- 6. What are the operating costs for setting up the plant?
- 7. What are the machinery and equipment requirements for setting up the plant?
- 8. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up the plant?
- 9. What are the requirements of raw material for setting up the plant?



10.Who are the Suppliers and Manufacturers of Raw materials for setting up the plant?

- **11. What is the Manufacturing Process of the plant?**
- 12.What is the total size of land required for setting up the plant?
- **13.What will be the income and expenditures for the plant?**

14.What are the Projected Balance Sheets of the plant?



• • •

15.What are the requirement of utilities and overheads for setting up the plant?

16.What is the Built up Area Requirement and cost for setting up the plant?

17. What are the Personnel (Manpower) Requirements for setting up the plant?

18.What are Statistics of Import & Export for the Industry?

19.What is the time required to break-even?





20.What is the Break-Even Analysis of the plant? **21.What are the Project financials of the plant? 22.What are the Profitability Ratios of the plant? 23.**What is the Sensitivity Analysis-Price/Volume of the plant? **24.What are the Projected Pay-Back Period and IRR of the plant? 25.**What is the Process Flow Sheet Diagram of the plant? **26.What are the Market Opportunities for setting up the plant? 27.What is the Market Study and Assessment for setting up the** plant?

28.What is the Plant Layout for setting up the plant?



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- ✓ The Business Plan 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 Business Plan provides vital information on the product like it's characteristics and segmentation
- \checkmark This Business Plan helps you market and place the product correctly
 - by identifying the target customer group of the product







 \checkmark This Business Plan helps you understand the viability of the

project by disclosing details like machinery required, project

costs and snapshot of other project financials

- ✓ The Business Plan provides a glimpse of government regulations applicable on the industry
- \checkmark The Business Plan provides forecasts of key parameters which

helps anticipate the industry performance and make sound

business decisions







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- Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.
 The market forecasts are developed on the basis of secondary
 - research and are cross-validated through interactions with the industry players
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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 Business Plan 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.....<u>Read more</u>







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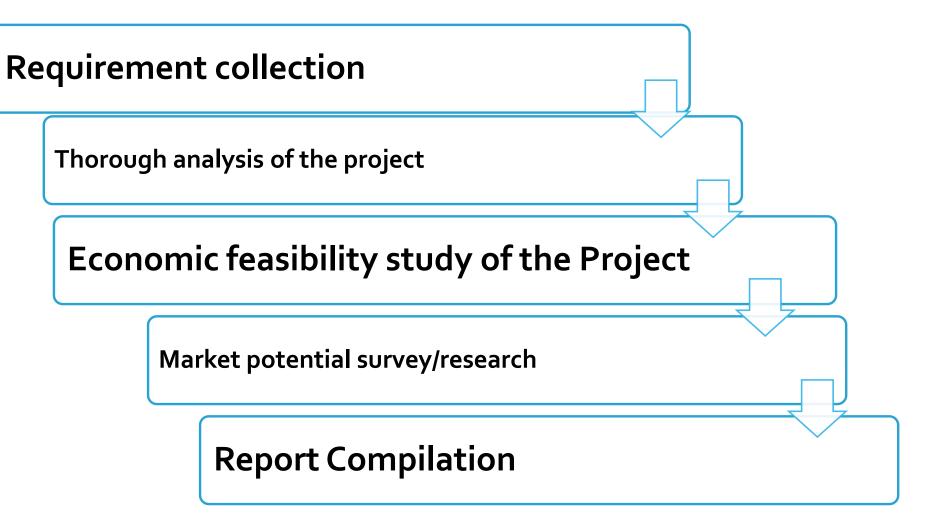
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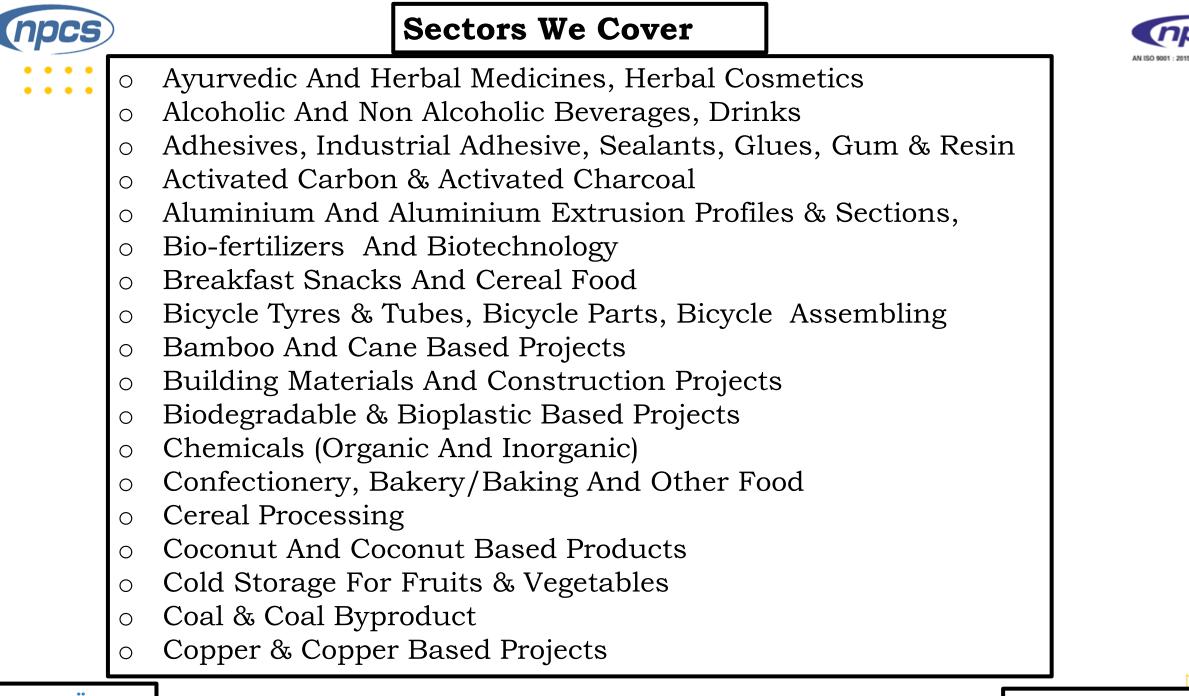












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	 Engineering Goods 	
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- Stationary Products
- \circ $\,$ Spices And Snacks Food $\,$
- Steel & Steel Products
- o Textile Auxiliary And Chemicals
- Township & Residential Complex
- Textiles And Readymade Garments
- Waste Management & Recycling
- Wood & Wood Products
- Water Industry(Packaged Drinking Water & Mineral Water)
- Wire & Cable









- 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
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- To evaluate the competitive landscape of the industry by detailing:
 - Key players with their market shares
 - Financial comparison of present players







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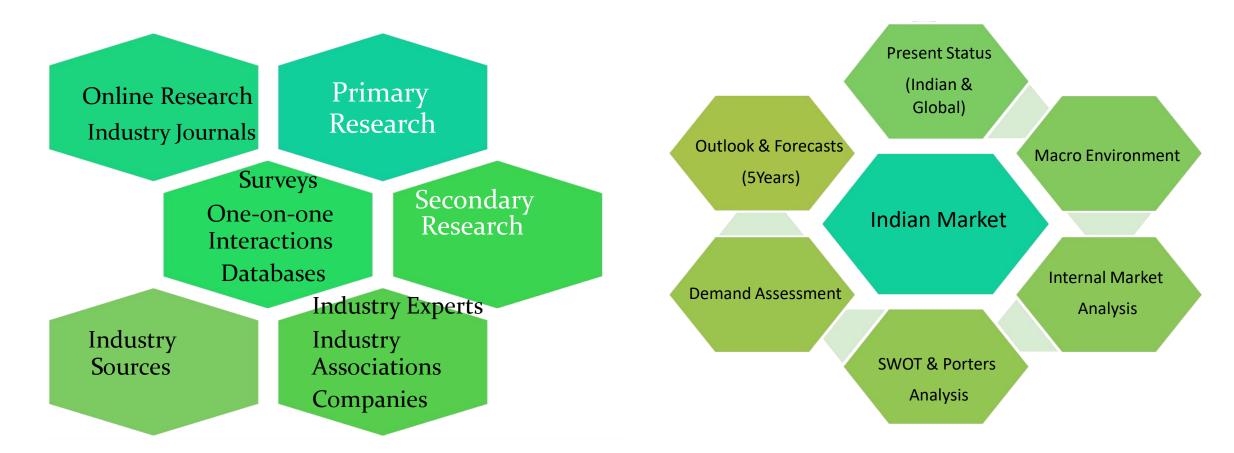




















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