**2**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Overview of different unit of the organization and Layout of the production being carried out in company**

* 1. **It includes the details about the work being carried out**

**in each department.**

* 1. **List the technical specifications of major equipment used in**

**each department.**

* 1. **Prepare schematic layout which shows the sequence of**

**operation for manufacturing of end product.**

* 1. **Explain in details about each stage of production.**

**2.1 It includes the details about the work being carried out in each department.**

**Designer Team**: This team is responsible for creating and designing the visual and functional aspects of products or services. They work closely with other teams to ensure that the design meets the needs and expectations of the target audience.

**Unity and Unreal Team**: These teams specialize in game development and use the Unity and Unreal game engines to create games for various platforms. They are responsible for coding, scripting, and integrating game assets to bring the game to life.

**Testing Team**: This team is responsible for ensuring that products or services are free of defects and meet the quality standards set by the company. They use various testing methods and tools to identify and fix issues before the product or service is released to the market.

**Marketing Team**: This team is responsible for creating and implementing marketing strategies to promote products or services to the target audience. They conduct market research, analyze data, and create advertising campaigns to generate leads and increase sales.

Each of these departments plays a crucial role in the success of a company. By working together, they can create high-quality products or services that meet the needs of their customers and achieve the company's goals.

**2.2 List the technical specifications of major equipment used in each department.**

**Design Team:**

* Computer or laptop with powerful graphics card and processor for running design software
* High-resolution monitor or dual monitor setup for better visibility and multitasking
* Drawing tablet for digital illustration and design
* Scanner and printer for scanning or printing design elements

**Unity and Unreal Team:**

* High-performance computer or workstation with a powerful CPU and GPU for game development
* Unity or Unreal game engine software
* Programming and scripting tools, such as C# or Blueprint
* Game development software, such as Maya or Blender for 3D modeling and animation
* Audio and video editing software for creating game sound effects and music

**Testing Team:**

* Testing software, such as Selenium or JMeter
* Automation testing tools, such as Appium or Robot Framework
* Defect tracking tools, such as Jira or Bugzilla
* Virtualization software, such as VMware or VirtualBox for creating test environments

**Marketing Team:**

* Computer or laptop with software for designing and editing marketing materials, such as Adobe Creative Suite or Canva
* Analytics tools, such as Google Analytics or Adobe Analytics, for analyzing website traffic and user behavior
* Email marketing software, such as Mailchimp or Constant Contact
* Customer relationship management (CRM) software, such as Salesforce or HubSpot, for managing customer data and interactions.
  1. **Sequence of operation for manufacturing of end product.**

The main product of our company is mostly the software and Application. The sequence of operations for manufacturing an end product can vary depending on the type of product being manufactured and the specific application.

1. Product Design: The first step in the manufacturing process is to create a design for the end product. This involves defining the product's functionality, features, and appearance.
2. Raw Material Acquisition: Once the design is finalized, the next step is to acquire the raw materials needed for manufacturing. This can include sourcing raw materials from suppliers or producing them in-house.
3. Material Preparation: The raw materials are then processed and prepared for use in the manufacturing process. This may involve cutting, shaping, or otherwise treating the materials to ensure they meet the required specifications.
4. Manufacturing: With the raw materials prepared, the manufacturing process begins. This typically involves a series of steps, such as assembly, machining, or casting, depending on the nature of the product.
5. Quality Control: During the manufacturing process, it is important to perform quality control checks at various stages to ensure that the product meets the required specifications.
6. Finishing and Packaging: Once the manufacturing process is complete, the end product is finished and packaged for shipping and sale. This can include applying coatings, labeling, and packaging the product in a way that is suitable for distribution.
7. Distribution: Finally, the finished product is distributed to wholesalers, retailers, or directly to consumers, depending on the distribution strategy.
   1. **Explain in details about each stage of production.**

At our company, we mostly use the waterfall development process in which the software is delivered in different parts or phases which are called sprints.

Each sprint contains the upgraded version of the software, and it is kept upgrading unless we reach the final product.