Internship
At
Macleods Pharmaceuticals Ltd.

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1.1 INTRODUCTION:

Internship is a partofthesecond year program, where we have toobserveand learn the work culture of organization.Also it willbe necessaryto participate invarious department/activities so we could orientour self with differentdepartments thatgivesus first hand exposure.

Internship is the process, throughwhichwecan understand process of work and thereafter beable to involve in decision making.

1.2 ORGANIZATIONAL PROFILE:

Incorporated in 1986 by Dr.Rajendra Agrawal, Macleods Pharmaceuticals Ltd. is a Global Healthcare Company with an experience spanning over 2 decades.It is an expertise in different formulations ranging from tablets to sterile dosage form and from inhalation to novel drug delivery system.

Macleods is focused on increasing the momentum in the business through organic growth routes. Growth is well spread across geographies with focus on key therapeutics segments. Macleods has forayed into high growth potential segments like Cardiovascular, Diabetes, Orthopedics, Gynecology, Respiratory and Oncology. These new growth areas will add significant depth to the existing product pipeline.

Today Macleods features amongst Top 10 companies in India and is recognized as one of the fastest growing companies.Macleods currently makes a large portion of the active ingredients that make up its products and has manufacturing capacity of over 8.0 billion tablets and capsules.

Macleods' product portfolio encompasses a wide spectrum of therapeutic groups, ranging from Anti-TB, Asthma & COPD, Anti bacterial, NSAID, Anti-arthritic, Anti-osteoporotic, Gastroenterology, Gynecology, Diabetology and CVS products.

Macleods today has several marketing divisions that stay focused on specific therapeutics segments. This focused approach provides the required impetus to the company through enhanced relationship with the medical specialties and also improves the market penetration.

Macleods has its presence in more than 80 countries. With established presence in South East Asia, Asia Pacific, Africa, North America, EU & EEA, MENA, Latin America and CIS countries.

(Macleods is now making its presence felt in the global pharmaceutical market.)Macleods operates its International business through various business models like Private Markets, Tenders, Licensing, Contract manufacturing and Joint Ventures.

It also has successfully leveraged its production and Research & development competency for supplying affordable quality pharmaceuticals across the globe.

Macleods is in the process of establishing an extensive marketing and distribution network in all the countries of presence and (company pays more attention to expand its product portfolio) via registration and launch of novel pharmaceutical products.

The Regulatory Affairs team with high level of proficiency plays a key role in earning registrations of Macleods products across the globe. In a record time Macleods today has over 1500 registrations across the globe.

Macleods has established its Representative office in the CIS countries, Africa, South East Asia and Latin America looking into the business potential and the necessity of being at the centre of action.

Today,Macleods enjoys unique position in many private markets because of it's "know-how" in marketing and highly professional sales and marketing team, who are the core power of their competitiveness and guarantee of their success.

1.3 SARIGAM PLANT DETAILS

QUALITY POLICY

The company has put in place the infrastructure and procedures to support a stringent quality policy. All the systems are well documented and are implemented by an expert trained staff with a line of reporting that is independent of manufacturing.

The company is committed to ensure that every product they manufacture and distribute meets with and conforms over its shelf life to internationally accepted standards of quality, purity, efficacy and safety.

At each manufacturing site, the latest analytical instruments and tightly monitored quality assurance and quality control systems ensures consistent quality of our products.

The quality team at each manufacturing site is guided by a Corporate Quality Unit (CQU). This CQU has members from quality assurance, quality engineering, quality control, and regulatory affairs. CQU regularly updates location-based quality representatives on new regulatory practices and monitors the quality of documentation in order to comply with changing international requirements.

ENVIRONMENTAL POLICY

Manufacturing: Consistently producing to the world's requirements.
Concern for the environment and safety. Each of the manufacturing sites is fully equipped with facilities to handle waste and minimize environmental contamination. At Sun Pharma, a

concern for safety and the environment is part of plans right from the drawing board. They pay close attention to preventing and reducing pollution, avoiding accidents and conserving resources.

EQUIPMENTS INSTALLED

- Solid waste incinerator.
- Facilities for stream stripping.
- Air scrubbers.
- Isolated incinerators (with steam generation where feasible)

DEPARTMENTS

1. **Human resource department:** It deals with management of people within the organisation.

2. **Quality control department:**It deals with ensuring an updated check of the equipments. The department is responsible for sampling raw materials, intermediates, finished products and packing materials to ensure that it fulfils the quality expectations of the consumers.

3. **Quality assurance department:** Quality assurance personnel are responsible to ensure that the processes followed for production activities are in accordance with GMPs and SOPs.

4. **Microbiology department:**To ensure the safety of the product on bio load by monitoring and alerting QA in case of any unusual occurrence.

5. **MIS department:** Provide co – ordination, oversight and guidance for all information systems within the organisation as well as to manage ERP and to advance the comprehensive use of information and minimize duplication of data.

Approvals:

- FDCA, India
- WHO-GMP

- MOH-Tanzania
- NAFDAC- Nigeria
- MOH- Oman
- MOH- Ukraine
- MOH- Yemen
- MOH- Indonesia
- MOH- Libya
- ANVISA- Brazil
- INVIMA- Columbia
- BFDA- Taiwan

1.4 PROJECT WORKED ON-

- Understanding the perception of doctors towards mobile medical applications,networking sites and medical websites.
- Secondary data was collected to study the work already being done in similar research area.
- The data for the project was collected fromphysicians,diabetologistsand cardiologists residing in Ahmedabad, Gujarat.

1.5 LEARNINGS

- Understood the organizational culture and the functioning of different departments
- For my project. I went to interview various doctors and tried to understand their perception regarding the project.
- I read about and researched on various medical applications , networking sites and medical websites
- During the tenure of my internship, I learned the various ways of interacting with doctor so as to get a positive response.