

**Internship
at
Karkinos Healthcare Pvt. Ltd.**

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KARKINOS HEALTHCARE Pvt. Ltd.



About Organization

Introduction

Karkinos (Karkinos is a Greek word meaning "cancer", referring to both the disease and the constellation) Healthcare plans to address these problems with an end-to-end technology platform which coordinates cancer care continuum; a medical centre for treatment of complex cancers; and research centre which leverages technologies such as genomics, synthetic biology, sensors, and AI to analyse data and leading to the development of affordable cancer interventions. The fundamental principle of Karkinos healthcare is democratization of cancer care in a participatory fashion with existing health providers, researchers and technologists. Karkinos is a healthcare technology platform focussed on delivering quality healthcare. Karkinos believes no person should be deprived of care either by lack of access or affordability. The vision is to provide millions of cancer patients with affordable and effective treatments and have India become a leader in oncology research. The motivation is not profit, but sustainability. Karkinos has an eclectic founding team with strong technology, healthcare and finance experience, and a panel of eminent clinical advisors in India and abroad. The team has, in their earlier avatars, facilitated the design, development and commissioning of a 700- bed Specialty Oncology Hospital and the redesign/ modernization of an existing hospital, aggregating to 1 million square feet in less than a years' time. Both have since been commissioned and are fully operational. Karkinos will be with the patient every step of the way, to advise them, connect them to the best specialists, and to coordinate their care. The Karkinos Value Proposition and how Karkinos will be with the patient's every step of the way in the treatment of cancer and to improve the patient's quality of life. Karkinos will design and deliver bespoke solutions for cancer care, as a one stop shop in experience, addressing core market needs for this specialized health care.

Karkinos healthcare is a platform built on

- state of the art technology curated for oncology,
- knowledge network with medical protocols, surgical skills, digital pathology center and
- with distributed care centres. The substantive portion of the economic interest accrued will be deployed across similar societal causes and in advancement of research, education, and patient care.

Objectives of the Internship

Working as Business Analyst-Digital Transformation Team

The main goal of the internship was to understand the workings of Karkinos Healthcare Pvt. Ltd, its departments and the industrial environment they function in.

My profile demands me to build and improve on skills which enables me to do the following

- Develop a deep understanding of the Oncology healthcare domain and patient's journey in the Oncology Ecosystem
- Work with industry leaders and clinicians and be part of the digital health care transformation journey
- Support cancer care guideline automation through guideline authoring tools
- Conduct analysis of alternatives, recommendations, and data mapping based on research
- Gather and document requirements and business processes (workflows) as they pertain to application of work principles and practices supporting digital health delivery
- Documenting workflow processes and decision trees.
- Putting together a competitor analysis of Healthcare Technology Start-ups in India and around the world
- Creating operational documentation
- Providing end-user training for each of the solutions

Organizational Profile

KARKINOS HEALTHCARE (KH) has been founded by Mr. R Venkataramanan, Advisor to Chairman, Reliance Industries Limited, and former Managing Trustee of the Tata Trusts. The firm is desirous to build an end-to-end technology driven oncology focused managed healthcare platform where almost no person is deprived of care either by lack of access or

affordability. The design and delivery will be through bespoke solutions for cancer care, as a one stop shop in experience, addressing core market needs for this specialized health care. It will use technology and AI Based Continuous feedback to improvise care to our own needs, the learning's of which will be scaled up within India and beyond. Karkinos Healthcare over the next 18 months, will be focused on creating the foundation for the following components – a state of the art technology platform curated for oncology, a knowledge network with medical protocols, surgical skills, digital pathology center, along with fifty Level 4, fifteen Level 3, and one Level 1 Centres.

Services Provided by the Organization

Wellness Screening

- We Screen for Cancer
- Body Mass Index, Diabetes & Hypertension
- Clinical Examination for Colorectal, Oral, Breast & Cervical
- Health & Wellness Counselling by General Physician, Care Coordination for further treatment
- Risk Assessment for the Seven Non-Communicable Diseases

Expertise at every step

- Supported by Karemitra to assist at every step & through your journey towards wellness
- Oncologists
- Tumor Board
- Experienced Practitioners
- Lab & Histopathological Services
- Day-care Chemo Service
- Palliative Care

Healthcare in Your Hands

- Digital technology to help through treatment
- Personalised experience
- Tailored support
- Remote monitoring
- Stay in touch with Care Team
- Seamless remote patient-doctor communication
- Secure and effective control over the medical data

The Reach

Currently serving at Kothamangalam in Ernakulam District, in the southern state of India, Kerala. Will be expanding the presence pan India, at multiple locations soon.

Key Activities/ Projects Undertaken Other than Dissertation

Extensive involvement in Projects with different teams in Karkinos Healthcare. Some of them are

- Worked on development of Oral Cancer clinical pathway.
- Worked on the guideline authoring tools for automation of the cancer clinical pathways.
- Working with TMH Mumbai with collaboration on
 1. Automating NCG guidelines
 2. Data Transformation
 3. Moving towards cloud system
- Developing Mou proposals and agreements with different hospitals.
- Writing research papers and articles on different aspects of cancer care for publishing.

Key Learnings from Internship

A. Research and Analysis: Managed and conducted research and analysis for Program Managers in moderately-to-highly complex categories. Leveraged research/analytical outcomes and knowledge of the category and external market to suggest enhancements or implement changes to the lifecycle process. Reviewed market analysis and competitive benchmarking to identify evolving trends in oncology health care.

B. Collaboration: Collaborated with cross-functional teams and external teams to gather input on process requirements and executed the program management roadmap.

C. Workflow and process definition: Was able to define workflows and processes in a health care setting. Was able to define and was able to point out the pain points and non-value creating components. Was able to put certain point of views backed by intense research.