



Bridging the Gap: A CSR Initiative Makes Life saving CT scans Accessible for Cancer Patients in a Tertiary Care Public Cancer Hospital

Heena Kauser A. Shaikh¹, Prashant Bhat², Nitin Shetty³, Puneeth Thatikonda²

¹Radiation Oncology, ²Medical Administration, ³Radiodiagnosis

ACTREC - Tata Memorial Centre, Navi Mumbai, India.



P-120

INTRODUCTION

- ❖ **ACTREC:** Key cancer treatment and research center under Tata Memorial Centre grant-in-aid institution under Department of Atomic Energy Government of India.
- ❖ **Patient Increase:** Registrations grew from 11,886 (2020) to 35,292 (2023).
- ❖ **Expansion:** Bed capacity to grow from 129 to 900.
- ❖ **CT Scans:** Essential for cancer diagnosis, staging, and treatment; also used in Interventional Radiology.
- ❖ **PET CT System:** Previously handled 725 scans/day but faced logistical issues, leading to increased patient costs.

What is Corporate Social Responsibility in India?

In India, companies are mandated to invest at least 2% of their average net profits from the past three years into Corporate Social Responsibility (CSR), turning profits into progress!

AIM

The project's objective was to increase the number of CT scans by procuring new CT scan systems. This aimed to reduce logistical burdens and enable ACTREC to meet the growing demand for timely, high-quality cancer diagnostics and treatment planning.

METHOD

New CT Scan System: Procured via Corporate Social Responsibility (CSR) funds, approval in December 2021.

Companies are required to spend a minimum of 2% of their net profit over the preceding three years as CSR in India.

Duration of implementation: The total duration of the project, from first approaching the company in December 2021 to the installation and initiation of CT scan services in May 2023, was **1 year and 5 months**.

Challenges:

- ❖ CSR partnerships.
- ❖ Timely fund utilization.
- ❖ Project completion amid global semiconductor shortages.

Mitigation:

- ❖ Early solicitation of CSR partnerships.
- ❖ Collaboration with radiodiagnosis consultants for equipment specs.
- ❖ Parallel initiation of turnkey work and UPS procurement.

Outcome:

- ❖ Project completed on time, operational from May 2023.

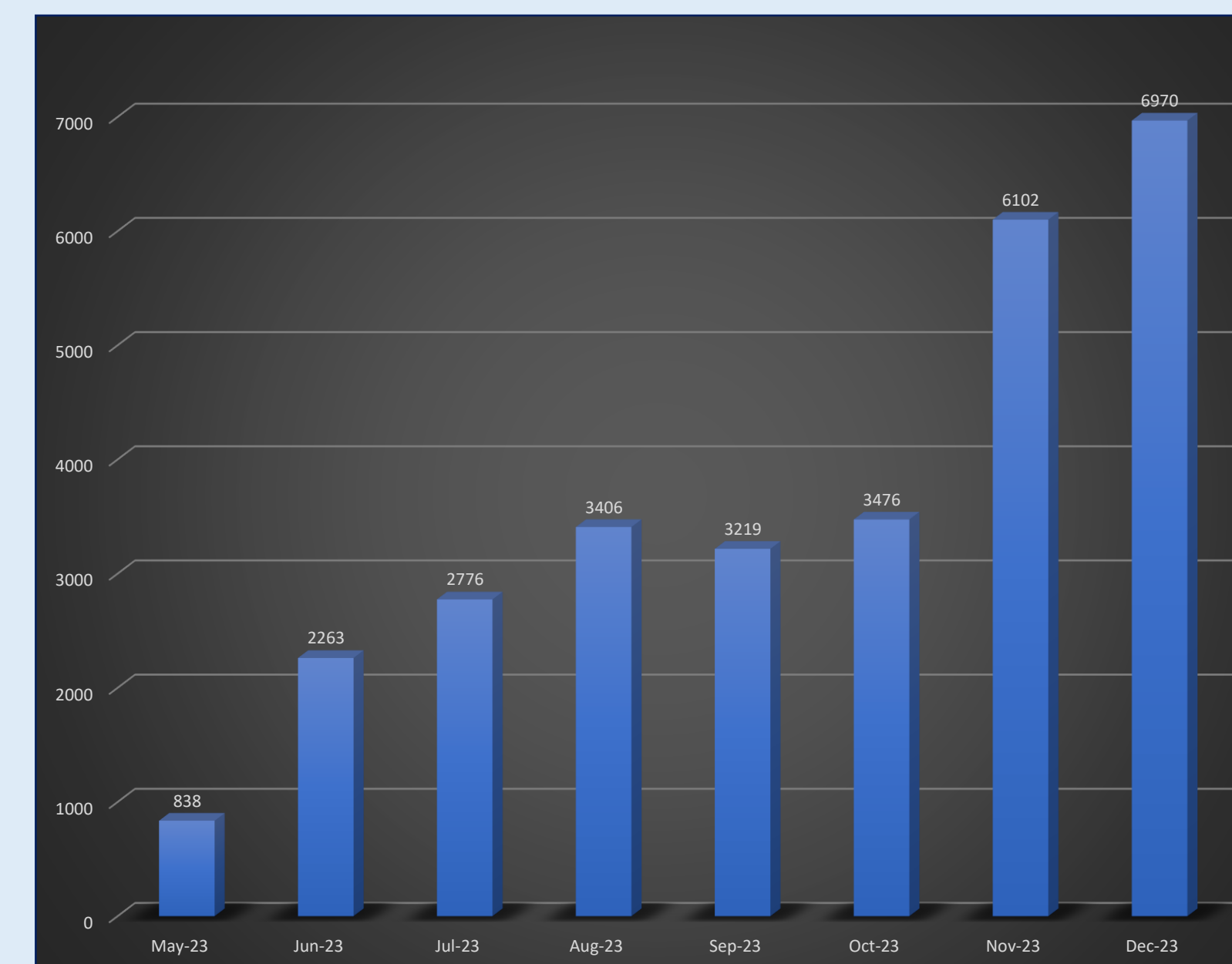
RESULTS

- ❖ **Significant Increase:** Average Monthly scans rose from 727 to 4,030 after commissioning the new CT system.
- ❖ **Total Scans with two systems:**
 - **May–December 2023(with newly commissioned CT Scan System):** 11,675 diagnostic scans, 567 interventional scans.
 - **January–May 2023:** 3,638 scans, including 1 biopsy and 1 Pigtail intervention. **(before new system was installed)**
 - **Enhanced Capabilities:** Increased CT-guided procedures, indicating improved efficiency and diagnostic capacity.

Increase in number of Scans with Two Systems

Month	Diagnostic Scans	Biopsy	Pigtail	Total	Increase from June
May 2023	838	0	0	838	-
June 2023	2235	27	1	2263	1425(+170.0%)
July 2023	2692	83	1	2776	1938 (+231.2)
August 2023	3286	113	7	3406	2568(+309.9%)
September 2023	3111	106	2	3219	2381(+284.1%)
October 2023	3400	73	3	3476	2638(+314.8%)
November 2023	6036	64	2	6102	5264(+628.2%)
December 2023	6916	51	3	6970	6132(+731.7%)
Total	28514	517	19	29050	NA

Total Scans with Old and New System



ACKNOWLEDGEMENT

We sincerely appreciate the Biomedical Team for their invaluable assistance in preparing the specifications, as well as the entire engineering team for their dedicated efforts in executing the turnkey project. A special thanks to the purchase and accounts teams at ACTREC for their crucial support in ensuring the timely completion of this initiative. We would also like to acknowledge the funding agency, whose support made this project possible.

CONCLUSIONS

Transformative Impact: New CT system enabled 12,242 diagnostic scans in six months.

Benefits:

- ❖ Improved diagnostic capabilities.
- ❖ Significant time and cost savings for patients.
- ❖ On-campus services eliminate the need for external scans.
- ❖ **ACTREC's Commitment:** Reinforces its role in providing accessible, efficient, and comprehensive cancer care.



CONTACT INFORMATION

Name: Dr. Heena Shaikh
Email ID: hshaikh@actrec.gov.in

