

Radiology Film Digital Transformation “ Medanta Hospital

Category: Digital Excellence

Focus Area: Implementation and effective use of Clinical Applications

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Problem Statement / Digital Challenge

Large number of radiology films were printed before patient collection.

Significant number of printed films remained uncollected, resulting in paper and consumable wastage.

Increased operational effort for storage, handling and disposal.

Higher printing costs and environmental impact.

Digital Film availability

Digital Tool / Solution Implemented

Eliminate unnecessary pre-printing.

Enable printing only when requested by patients or clinicians.

Reduce paper and printer consumable usage.

Improve operational efficiency.

Support Medanta's Green Hospital initiative.

Optimize printing cost without impacting patient care.

Operational Improvements

Daily print volume reduced from 1,715 to 708

~1,007 fewer prints every day

Manual handling significantly reduced

Front desk storage dependency eliminated

Cost Efficiency

Significant reduction in paper consumption

Reduced toner and printer consumables

Lower operational printing costs

Quality & Sustainability

~59% reduction in printing volume

Nearly 59% elimination of report wastage

Supports Medanta's Green Hospital initiative

Earlier transition from film-based to paper-based printing had already eliminated hazardous film waste

Digital Implementation Highlight

Medanta implemented an On-Demand Radiology Film Printing Solution, replacing the traditional pre-printing workflow with printing to a pdf file

Radiology films are now printed only upon request, ensuring resources are utilized efficiently while maintaining seamless patient service.

Key Features:

On-demand film printing

Zero pre-printing workflow

Print only when required

Integrated with Report Portal / EMR / Patient app

Reduced manual handling

Environment-friendly workflow

Digital Implementation Highlights

Successfully implemented across Radiology services

Printing shifted from Pre-Print to On-Demand

Staff trained on revised workflow

No impact on patient turnaround time

Seamless integration with existing workflow

Digital Impact

Operational Improvements

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Key Enablers / Innovations

On-demand film printing

Zero pre-printing workflow

Print only when required

Integrated with Report Portal / EMR / Patient app

Reduced manual handling

Environment-friendly workflow

Key Learnings & Sustainability

Successfully implemented across Radiology services

Printing shifted from Pre-Print to On-Demand

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Reference Sources (If Applicable)

NA

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