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1.HISTORY, VISION AND MISSION

History: Indraprastha Apollo Hospital is one of the largest and most reputed hospitals in India, located in New Delhi. It is a joint venture between the Apollo Hospitals Group and the Government of Delhi. It was established by Dr Prathap C Reddy in 1996 and has 710 beds, 52 specialties and state-of-the-art medical technologies.

Vision: 'To touch a Billion Lives'.

Mission: To bring healthcare of International standards within the reach of every individual. We are committed to the achievement and maintenance of excellence in education, research and healthcare for the benefit of humanity.

2.THEORETICAL V/S PRACTICAL EXPOSURE

- Theoretical understanding refers to understand the research articles and journals regarding how risk assessment is done and HSE Risk Assessment Tool.
- Practical exposure helped in implementing that knowledge of Risk Matrix.

3.SWOT ANALYSIS

STRENGTH

- Adequately skilled staff for maintenance

WEAKNESS

- Ground level staff is most vulnerable to risk incidents

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OPPORTUNITY

- Identify High Risk areas
- Initial Scoring and Re-evaluation
- Monitoring risk incidents

THREATS

- Pre-evaluation of risk is vital to prevent harm to safety of patients, staff and visitors

4.CHALLENGES

Limited period of internship to explore and assess each department of hospital for the project.

5.LEARNINGS



6.USEFULNESS

- It instilled confidence.
- Gained practical experience and exposure to hospital industry.
- It helped to gain a mindset for the day-to day operational activities.

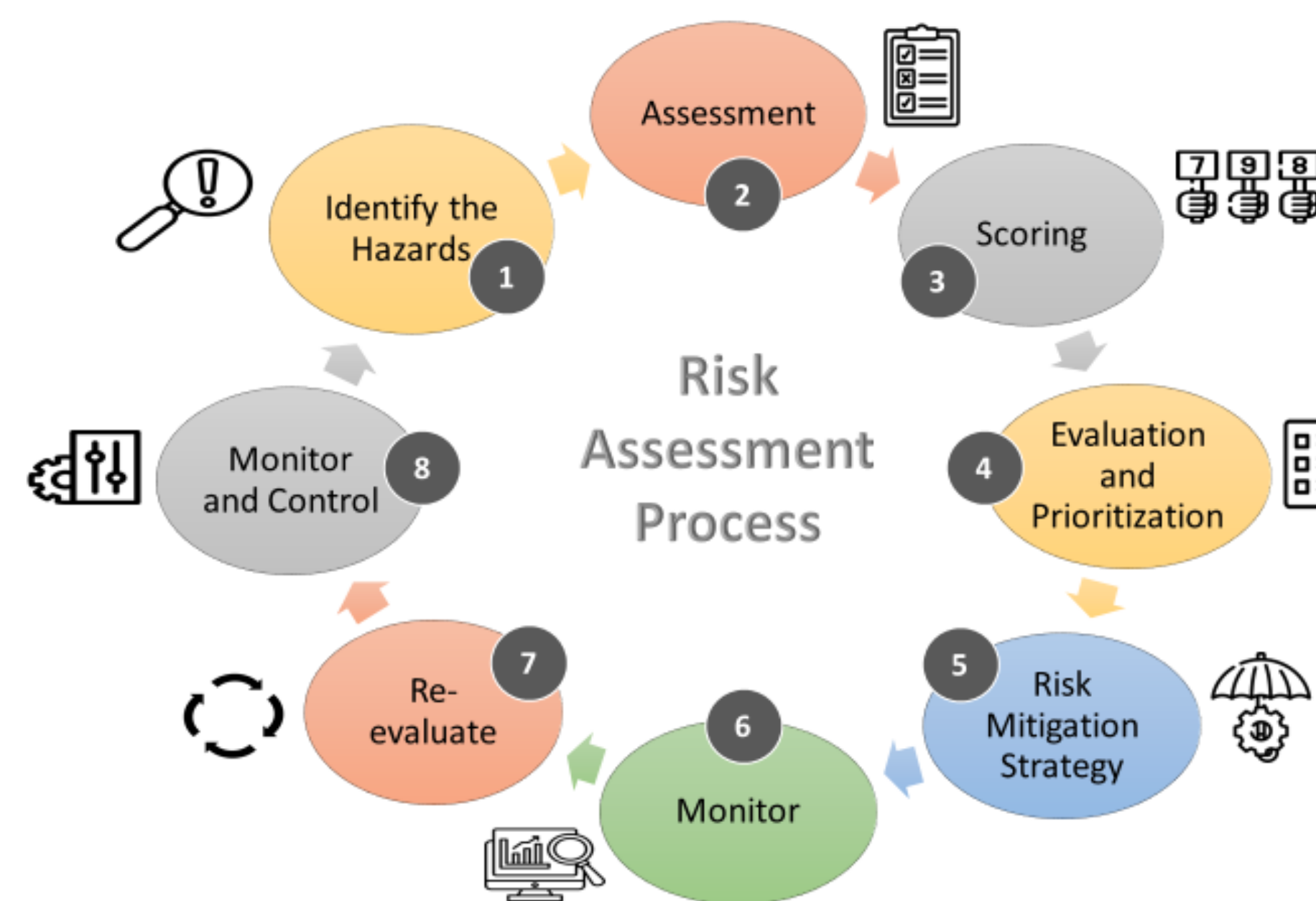
8.OBJECTIVE

To distinguish the minor acceptable and major unacceptable risks, to improve the quality and safety of care



9.METHODOLOGY

- Study Design:** Prospective type
- Area of study:** Departments concerned with Risk factors
- Period of study:** 2 months (May-June, 2023)
- Data Collection:** Data was collected from the Hospital Information System



10.RISK SOURCES

- Safety
- Security
- Hazardous material and waste
- Fire safety
- Medical equipment
- Utility systems
- Emergency management
- Construction and renovation

7.ORGANIZATION STRUCTURE

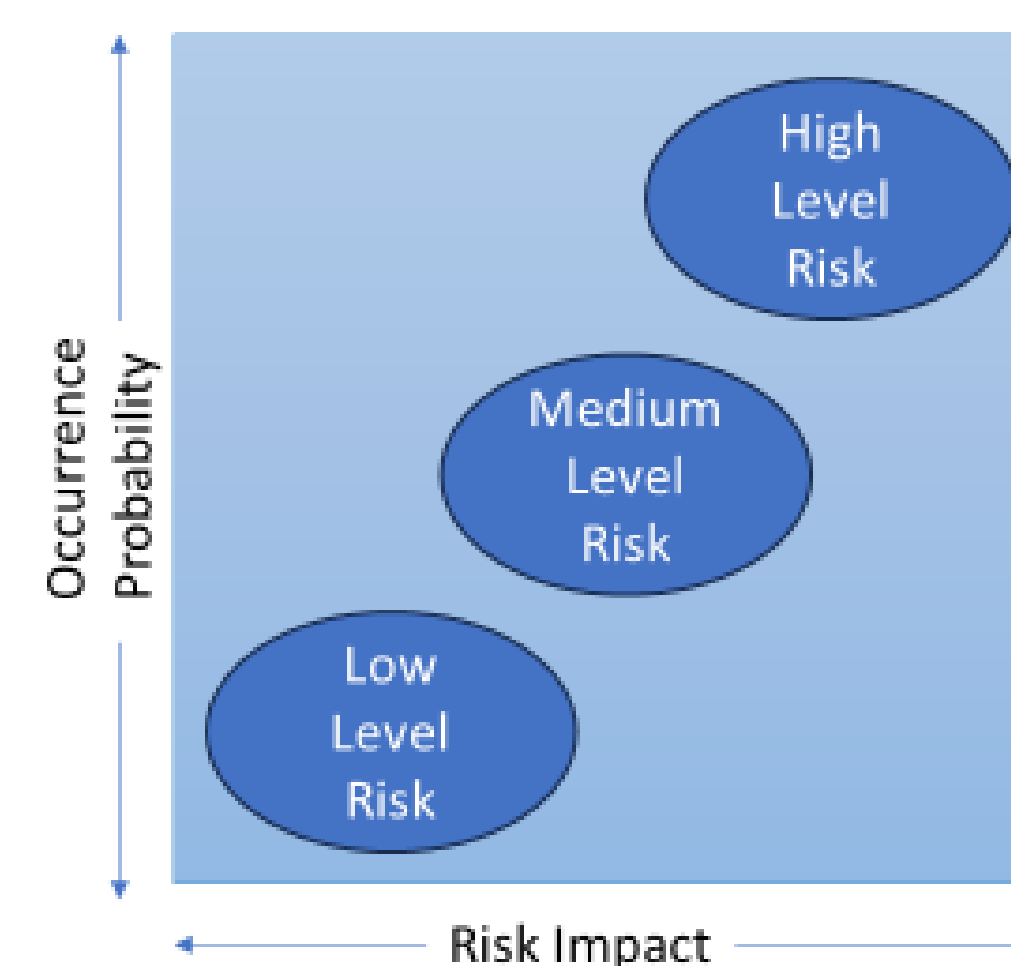
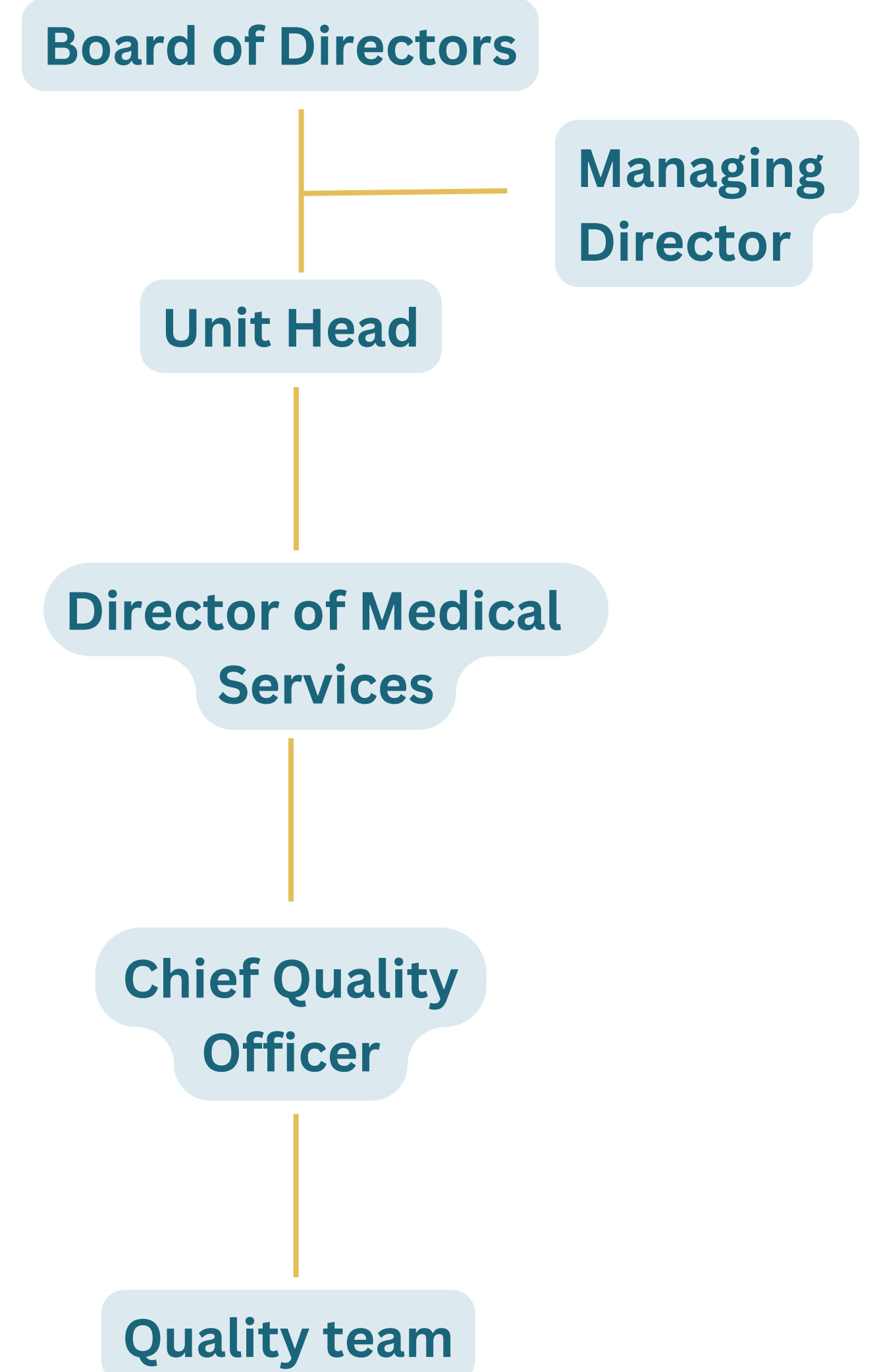


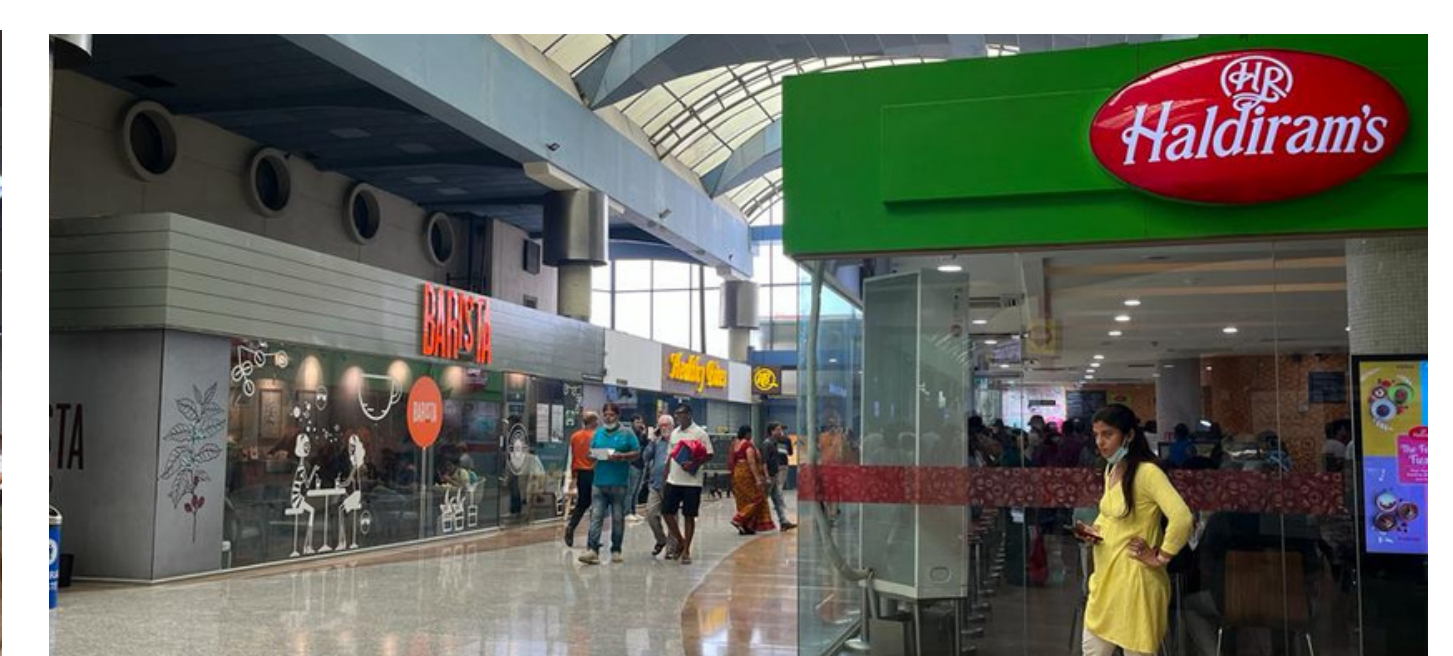
Fig 1: Risk Assessment graph

Likelihood	1	2	3	4	5
	Rare	Unlikely	Possible	Likely	Almost Certain
Consequence					
1 Negligible	1	2	3	4	5
2 Minor	2	4	6	8	10
3 Moderate	3	6	9	12	15
4 Major	4	8	12	16	20
5 Catastrophic	5	10	15	20	25

Fig 2: Risk Matrix Tool

11.PROJECT FINDINGS

Sl. no	Department	Activity	Process Risk	Initial Actual risk		Risk Grade	Mitigation	Residual risk		Risk Grade	Monitoring Procedures
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1	Hazardous material and waste	Handling of hazardous material	Spill/ Leak	3	3	9	- To keep minimum stock - Fragile bottles should not be used - Ensure safe transportation between departments - Ensure appropriate spill kits are available	3	2	6	Inventory protocol, Fire alarm logbook, training records
2	Fire Safety	Maintenance of handy fire extinguishers/ detection	Fire Hazard (Major/ Minor)	3	3	9	- Ensuring outsourced annual maintenance contract for this fire safety inbuilt - Fire Authorities inspection	3	2	6	Check list, AMC service reports
3	Utility System	Loading of empty barrels	Bodily injury	2	3	6	- Usage of appropriate PPEs (Safety shoes) - Rushing to emergency for first aid	2	2	4	Process supervision, accident reports
4	Emergency management	Managing resources during events	Communication failure	4	3	12	- Structured plan and programs available - Carrying out mock drills and exercise	4	2	8	Pre-planning, regular interval meetings and debriefing



12.CONCLUSION

- Risk assessment in hospitals is an important process that aims to identify, analyse, and evaluate risks that may have a negative impact on patients, staff, and the organization.
- Developing and maintaining an effective risk analysis framework involves consideration of the sources of risk, presence of the hazard, and its severity, and clear communication of risks in terms relevant to decision-making.