

Managing project in the organization

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Introduction

- “a project is a **unique** venture with a **beginning and an end**, conducted by people to **meet established goals** within parameters of **cost, time and quality**” (PMI, 2004)
- SMART

Project statement

- Tech healthcare is an application that is using virtual reality medical training that allows students and interns to see a virtual human body from various angles and scales.
- Many hospitals have not been able to provide a full practical course not because of lack of knowledge but because they lack the resources to create all possible medical cases.

Quad chart

Purpose

The scope of this project is to put students in situations that they would never be able to in real world because of physical limitations. To see virtual human body in different angles and scales.

Start date : 29.11.2022

End date : 29.11.2023

Stakeholders

Owner of hospital
Patients
Students
Doctors
knowledge

Management
Project team
Suppliers
Team with specific

Critical success factors

Barriers – cyber attacks
Risk management
Inadequate skills
Poor communication

Measures of success

Effective use of project management tools and techniques
Integration of artificial intelligence successfully
Enough budgeting

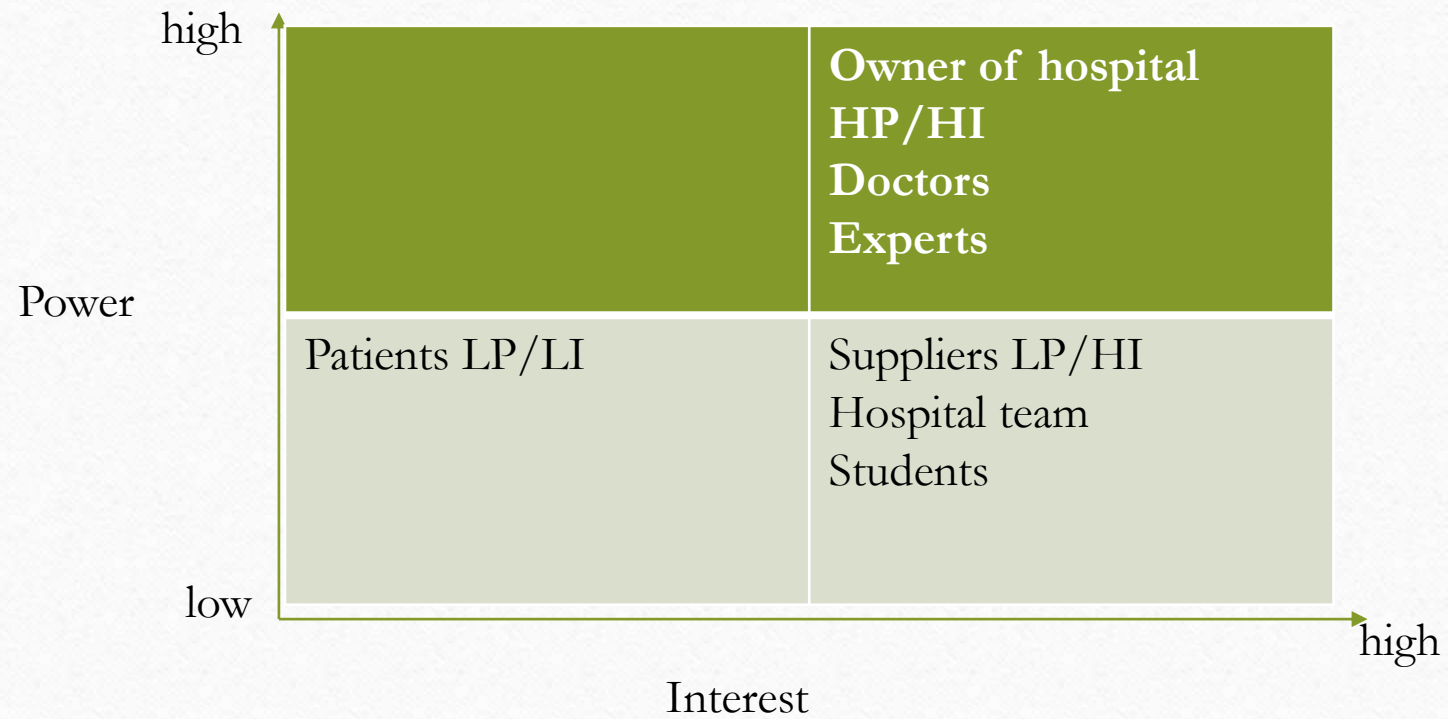
Stakeholders

Owner of Florence Community Hospital	Power of influence / Interest	Communication plan	How will Manage the stakeholders
	Power -high Interest -High	Daily	Manage closely
Suppliers of medical equipment	Power high Interest -high	Weekly	Manage closely
Team of hospital	Power- low Interest- high	Once per week	Inform them
Patients	Power –low Interest -low	Time to time	Monitor them

Stakeholders

Students	Power- low Interest High	Monthly	Inform them
Doctors	Power –high Interest- high	Weekly	Manage them closely
Experts with specific knowledge	Power- high Interest high	Daily	Manage them closely

- Stakeholder matrix



Work breakdown structure

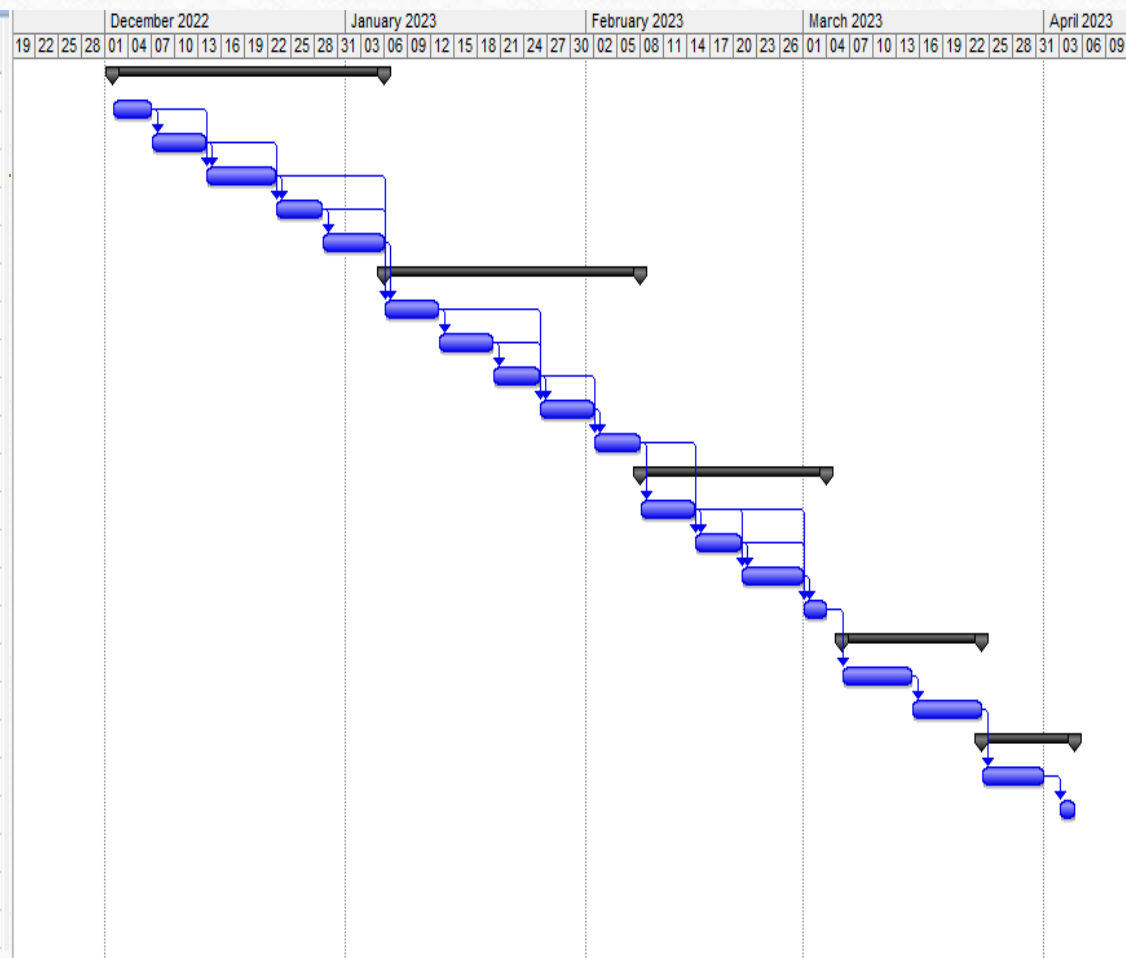
1.0 Documentation and selection of team members	1.1 Formal documentation (sending emails , get approvals)	
	1.2 Select appropriate team roles (group with specific knowledge)	
	1.3 Project draft formulation on the paper first	
	1.4 Identification of It(artificial intelligence)	
2.0 Project planning	2.1 stakeholders meeting 2.2 Previewing project roles 2.3 Budget planning	

Work breakdown structure

3.0 Implementation	3.1 IT meeting 3.2 Tools and techniques implementation 3.3 Setting up logistics and transport	
4.0 Progress	4.1 Tacking progress 4.2 Training HR 4.3 Administration policies 4.4 Performance analysis	
5.0 Deliver	5.1 Reviewing entire project 5.2 Implementation of the app	

Gant chart

	i	Task Name	Duration	Start	Finish	Predecessors
1		Project initiation	25 days	Fri 02-12-22	Thu 05-01-23	
2		Project outline discussion	3 days	Fri 02-12-22	Tue 06-12-22	
3		Project team members identification	5 days	Wed 07-12-22	Tue 13-12-22	2
4		Project objective	7 days	Wed 14-12-22	Thu 22-12-22	3,2
5		Formal documentation	4 days	Fri 23-12-22	Wed 28-12-22	4,3
6		Identification of IT technologies	6 days	Thu 29-12-22	Thu 05-01-23	5
7		Project planning	23 days	Fri 06-01-23	Tue 07-02-23	
8		Stakeholders identification	5 days	Fri 06-01-23	Thu 12-01-23	6,4,5
9		Identification of risks	5 days	Fri 13-01-23	Thu 19-01-23	8
10		Project roles division	4 days	Fri 20-01-23	Wed 25-01-23	9
11		Budget planning	5 days	Thu 26-01-23	Wed 01-02-23	10,8,9
12		Project equipments identification	4 days	Thu 02-02-23	Tue 07-02-23	11,10
13		Project execution	18 days	Wed 08-02-23	Fri 03-03-23	
14		Risk management	5 days	Wed 08-02-23	Tue 14-02-23	12
15		Resources identification and analysis	4 days	Wed 15-02-23	Mon 20-02-23	14,12
16		IT team management	6 days	Tue 21-02-23	Tue 28-02-23	15,14
17		Performance management and software	3 days	Wed 01-03-23	Fri 03-03-23	16,14,15
18		Project control	14 days	Mon 06-03-23	Thu 23-03-23	
19		Tracking budget and time	7 days	Mon 06-03-23	Tue 14-03-23	17
20		Performance analysis	7 days	Wed 15-03-23	Thu 23-03-23	19
21		Project delivery	8 days	Fri 24-03-23	Tue 04-04-23	
22		Final review of the project	6 days	Fri 24-03-23	Fri 31-03-23	20
23		Final presentation	2 days	Mon 03-04-23	Tue 04-04-23	22



Risk matrix

	risks	Probability	Impact	Severity	Risk mitigation	
1.	Ineffective communication among project team members	2	2	6	Proficient communication tools, effective communication mediums and networks can help overcome these issues.	
2.	Inadequate skills	2	2	6	Technical skill up gradation through proper on the job training.	
3.	Safety risk	4	3	9	Incorporating safety equipment and proper quality checks and assessments.	
4.	Team conflicts	2	2	8	Communication planning development	

5.	Poor performance	1	2	7	Effective software updates	
6	Over-budgeting	3	3	8	Proper budget and resource underpinning / Contingency plan	
7	Ineffective stakeholders' inclusion	3	4	7	Communication leverage	
8	Technical faults	4	3	7	Development of bug	
9	Cost escalation of technical equipment	3	4	9	Bonuses of achievement	
10	Cyber attacks	4	4	9	Antivirus incorporation such as "Bitdefender Antivirus Plus" and others <i>[Refer to appendix 1]</i> .	
11	Ineffective team management and collaboration	3	2	8	Use of "transformational leadership" in project management policies.	

Project plan	budget	Labour		Estimated time	Materials (Technical equipment and materials)		Planning budget	Actual expenses
		Workers	Hourly rate		No of units	Price unit		
Technical equipment		Senior management team	£50	25h	50	£30	£12000	£10000
Software Integration		Technical experts	£64	50h	30	£40	£15000	£12000
Training of the employees		Senior management team	£44	30h	25	£50	£10000	£13000
Market analysis and risk analysis		Junior team	£56	30h	40	£40	£20000	£16000

Conclusion

- Effective implementation of project management tools and techniques will be impactful for successful project planning
- Technology-based healthcare solutions increase efficiency and will strengthen the medical services of the hospital

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happy to answer at any
questions!

Thank you!!!