

## Research

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-Research pro  
by Team

-Submission o  
proposal to Do  
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-Research pr  
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- Budget Appr

# AI interpreted Pediatric Echocardiography

- Neonatal (Newborn child ages from 0 to 3 months )
- Pediatric ( child 3 months to 10 years)

Project Proposal	Knowledge Sharing	Project Charter	Project Initiation	Project Planning
Internal team on echocardiography under the supervision of Doctor Shanthy to prepare project , title and document	-Identifying the process in Echocardiography with continuous discussion to fix the problem statement	-Fixing Problem statement -Tech Stack Identification	-Completion of Knowledge sharing from Doctor Shanthy including identification of structures within all required windows and Identification of Normal and abnormalities within required windows.	- Data set storage -Data set preparation  -Data set Annotation  - Data set preprocessing -Storage of Processed data
Proposal preparation by Internal team of Research under the supervision of Doctor Shanthy for Hospital	-Discussion on Anatomy of Heart and different windows in which echo images are taken  - Discussed one window and its structures	-Identification of target audience by Business analyst team	-Dataset Collection from Hospital -Cloud requirements for Data set Storage and coding	-Major modules identified -Identification of algorithms for each modules  -Identification of sub-modules
Proposal corrections by Internal team under the supervision of Doctor Shanthy to fix budget for dataset collection	-Identified on 19/11/2022 the total number of knowledge sharing sessions needed to get an complete idea on the different windows, its structures and normal /abnormal identifications.	-Identification of Goals  - Identification of Milestones	-Technical team formation - Allocation of Technical people who have Computer Vision and deep learning knowledge	- Project Scope definition  -Project Budget  -Work breakdown  - Project risks
Preparation for dataset collection for echocardiography project	-Started planning on different categories of images required during dataset collection		- Skill Upgrade on AI in medical images using deep learning by attending online courses.	
Final presentation by 3i Future Management team	-Planned a session on 22/12/22 on the second window. -Doctor Shanthy has to fix on what common abnormalities are to be identified			
Approval by 3i Team				

## Planning

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-Research pr  
Ethics Board

-Research pr  
Ethics Board

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proposal submission to
proposal Approval by

