



**GOVERNMENT COLLEGE OF
ENGINEERING
CHETTIKARAI, DHARMAPURI
636704**



Affiliated to Anna university, Chennai.

**IOT Based Safety Gadget For Child Safety
Monitoring and Notification**

IBM NALAIYATHIRAN

Performance metrics

TITLE	IOT Based Safety Gadget For Child Safety Monitoring And Notification
DOMAIN NAME	INTERNET OF THINGS
TEAM ID	PNT2022TMID41271
TEAM LEADERNAME	DHARSHANRAJ V
TEAM MEMBER NAME	CHINNAN S KEERTHIPRASATH S KOUSHIK R P
MENTOR NAME	Dr. DINESH G

NFT - Risk Assessment									
S.No	Project Name	Issues/Defects	Functional Changes	Hardware Changes	Software Changes	Impact of Deviation	Lead/Volume Changes	Risk Score	Justification
1	Safety Design for Child Safety Monitoring and Notification	Missing	Minimize	Low	Minimize	High risk cost	2% to 10%	High	This system of child safety monitoring and notification is already existing.
	Difficult to monitor if pedophile					High			They do not have their location status.
									The risk rate is moderate

NFT - Detailed Test Plan				
S.No	Project Overview	NFT Test approach	Assumptions/Dependencies/Risks	Approvals/SignOff
1	Safety Design for child safety monitoring and notification	validate that if the child cross the geofence	assumptions	

End Of Test Report							
S.No	Project Overview	NFT Test approach	NFT - Met	Test Outcome	GO/NO-GO decision	Recommendations	Identified Defects (Detected/Closed/Open)
	Safety Design for child safety monitoring and notification	issues occurred while running while connecting with the device while creating geofence		get location of the child got some error while connecting with the device difficult in creation of geofence		to determine the frequency update locations	detected and closed