LETUS HELP YOU TO HELP BETTER

ARTIFICIAL INTELLIGENCE AGED CARE REAL TIME SOLUTION



PNR





The aged sector is one of the largest growing industries globally, with an expected growth of 13% in the next 5 years. This is mainly due to the increase in the global aging population rate. In many age care facilities caring for the elders is a challenging task. Monitoring their behavioral movement and providing immediate medical assistance in an emergency is crucial.

By combining artificial intelligence with this industry these tasks are now simpler to manage than before. PNR Engineering, AIVI -CARE assists caretakers to monitor their patients and residents by helping them to provide immediate assistance when required in realtime.



AIVI-CARE FEATURES

Fall detection

Most age care facilities encourage residents to be mobile when possible, however caretakers due to work load often are unable to provide assistance causing unforeseen accidents that may lead to serious injuries.

AIVI -CARE monitors the residents abnormal behaviour such as critical falls, attempting to get out of bed without assistance and not getting back in to bed at a prescribed time. These emergency situations are alerted to the nurse stations in real time to provide a proactive care.





Bedsore monitoring

Managing this issue is critical for the welfare of immobile resident and patients. AIVI-CARE detects and if forgotten alerts caretakers to turn over patients periodically to help prevent and manage bedsores.





Loitering detection

Loitering is a common issue that most age care facilities face .Patients suffering from Alzheimer disease tend to forget the purpose of their activity and find them self lost .At times depending on the condition they can hurt themselves and others in the facility. AIVI-CARE has the ability to detect residents loitering within the facility and alert security or nursing staff to be mindful of resident movements.



Just in time assistance

AIVI-CARE can facilitate Just-In-Time assistance to provide proactive care. Our system will alert nursing and security staff immediately when residents and patients need help. All data is recorded in a structured manner for tanning and evidential purposes

INTERNAL NETWORK



PRIVACY AND CONFIDENTIALITY

TO ADDRESS ANY PRIVACY AND CONFIDENTIALITY CONCERNS, OUR SYSTEM 100% DOES NOT RECORD ANY VIDEO FOOTAGE OR AUDIO.

THE AI SYSTEM PURELY USES THE CCTV DEVICE AS A SENSOR TO ANALYSE WHAT IT SEES TO IDENTIFY ABNORMAL ACTIVITY. ALERTS ARE THEN SENT TO STAFF FOR APPROPRIATE ACTION.

INTERFACE -EXAMPLES



REPORT-EXAMPLES

ABEC Naving Home					Delivere	fDy.						
Resident's Quarterly Report: Dated		No Thomas 1-Jan 201s				Reviewedby		Sre Name Mary				
	WKI	WK 2	WK 3	WK 4	WKS	WK 6	WK 7	WK 8				
forming Visit by nurse:	214	15hr	15hr	1.2hr	1.2 hr	1294	1294	The				
forning visit by cleaners:	8hr	Bhe	Bhr	Bhy	8 he	Bhr	0 Her	Bhe				
liedication visits by nurses:	214	15h	15 hr	15h		1.6 hr	1814	214				
Bathing, with nursing assistance:	Bhe	7ba	7be	614	614	414	4 hr	She				
Patient in room (morning)	20 Hr	40hr	30 He	201w	25 hr	20 Hr	15 hr	20 hr				
Away from room / in-Room Lunch activity:	7A	7A	7A	7A	Tn/6A	7A	7A	7 A				
Patient in room (5600 - 2359): Afternoon nurse visit: Away from room / In-Room Dener activity: Medication visits by nurses:	ner 1	STOCE Survey House Resident's Quarterly Prepari Dated				No Thomas 1 Jan 206			Detwored By Parviewed by		See Marya Mary	
light nurse visit lightly visit to tollet (count):	Des	ident in a	torn feature	inclusion in the second	WK1	WK2	WK3 1	20	WKS	WK 6	WK 7	WK8
Leaving bed after 2300 (count)						Resident in room (morning) hr:						
					*1		-					
						1070.0	1000.0	10000			1619-1	1010
		it by No			WKI	UK2	WK3 V	KA I	UKS	UKG	WK 7	WK B
	Max	nang Mait	burnase			15	1.8	12	12	1.2	1.2	1
		NTIDOT PA				1	:	2	:			
	Tot	alfiburys W	-		14	2.5	12.9	niz 👘	19.2	10.2	15.2	12
					-	841	Nurse vi	88.1			ana 1	-
							- Mathinson a		Tunal I		-	
												Faul

				V K -2	V K -1	Curr ¥K	
Check out from System	311 8 Jan	406 8 Jan	415 10 Jan	2	2	3	
Alerts							
Falls Detected	4			6	4	4	
In-Room	406 9 Jan	412 12 Jan					
In-Corridor	CC02						
In-Common Area	Area 2						
Abuse Alerts (> 1 person &				8	10	16	
Shouting)				Ů	10	10	
Morning	406 x 5	412	300 x 5				
Evening							
Night	300 x 5						
Bedsore Management							
Late (30 min later)	300			3	2	1	
Missing (more than 90 mins)	300 x 2			5	3	2	
Missing from Bed							
(during silent hours)							
(longer than 30 mins during silent hours)		302		2	1	1	
(longer than 60 mins during silent hours)		412		1	1	1	

With current existing systems, duty personnel need to scan multiple screens or do periodic physical visits to monitor critical issues. These issues need to be manually scanned across wards to identify and rectify critical needs for assistance. PNR Engineering AlVI-CARE ai algorithms are specifically designed for health-care to detect these critical incidents in real time by alerting them in a single console.

AIVI -CARE has now taken out human error and the manual labour element out of this process which then reduces cross contamination, increase efficiency and the level of care given to each resident.

CONTACT US

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