

# AI revolutionising care for elderly in modern world

## EXPERT TALK



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**T**echnological innovations, especially artificial intelligence (AI), have transformed our everyday lives, businesses, and the way industries operate. Technology is shaping the way care is provided to the elderly – granting them liberty and enhancing their quality of life – especially at a juncture when there is a growing disproportion between increasing demand from the ageing population and a shortage of caregivers.

Elders need to be continuously supervised. In most cases, seniors are diagnosed with more than one chronic condition, and these make them vulnerable. Installation of AI-enabled technologies helps movement and detect if things go off track. More importantly, it promotes preventive healthcare by tracking their health patterns.

Technological inventions and upgrades in the healthcare industry have modernised virtual reality and wearable technology.

To monitor the vitals without disturbing the residents, we use a device named 'Dozee' – a continuous remote patient monitoring technology. This helps us track and monitor the vitals of

the senior residents even while they are asleep. The reports of vitals are generated with the help of AI, which shows up in our smart tabs which enables 24X7 monitoring and supervision for our staff.

Technology not only helps in monitoring vitals but also in triggering an alarm to alert the nursing staff with a press of a button.

However, the crucial role of AI and technology in senior living is the ability to detect falls. A report from CDC in 2018, highlights that 1 in 4 older adults have had a fall.

To prevent or detect falls while seniors are in their private time, we have 'Vayyar' – a device to detect falls with the use of a motion sensor. The speciality of 'Vayyar' is that it detects the movements without cameras, which aids seniors in having the privacy they wish.

Artificial Intelligence complements and adds value to the existing technologies by helping them create a positive impact on the lives of seniors.

