The environmental quality is using different parameters which they are humidity, temperature, dew point, frost point and ...etc. is observed by the system of environmental monitoring which is Vital for responsible management of natural resources, ensuring human health safety, Strengthening the social, economic, and cultural well-being of communities.(Laha et al., 2022)

The contemporary technology such wireless networks and the internet of things leads to make environmental monitoring easer and AI- supported. Different intelligent sensor kinds, wireless sensor networks, and internet of things Instruments are employed in the literature to present SEM systems. Through the networks these devices are communicating and aided in environment monitoring as a intelligent monitoring system which can tackle the obstacles in fluctuating environments. For Air quality monitoring Using machine learning, sensor networks have been established in driving vehicles to monitor the quality of the air; wireless sensor networks and mobile sensor nodes were used. There are interoperability concerns is raised when analyzing data is collected by different sensors kinds where heterogeneous sensors are implemented. If you want analyze data that have noise it will be difficult. Data is collected by sensors that is used for various reason which contains noise.(Ullo & Sinha, 2020).

The network of devices that can exchange data which are collected from a monitored field over wireless links is known as a wireless sensor network (WSN). These networks are used in Cooperatively transfer data to a central point and monitor environmental or physical factors such as temperature, pressure, and sound.(Nikam & Kulkarni, n.d.)