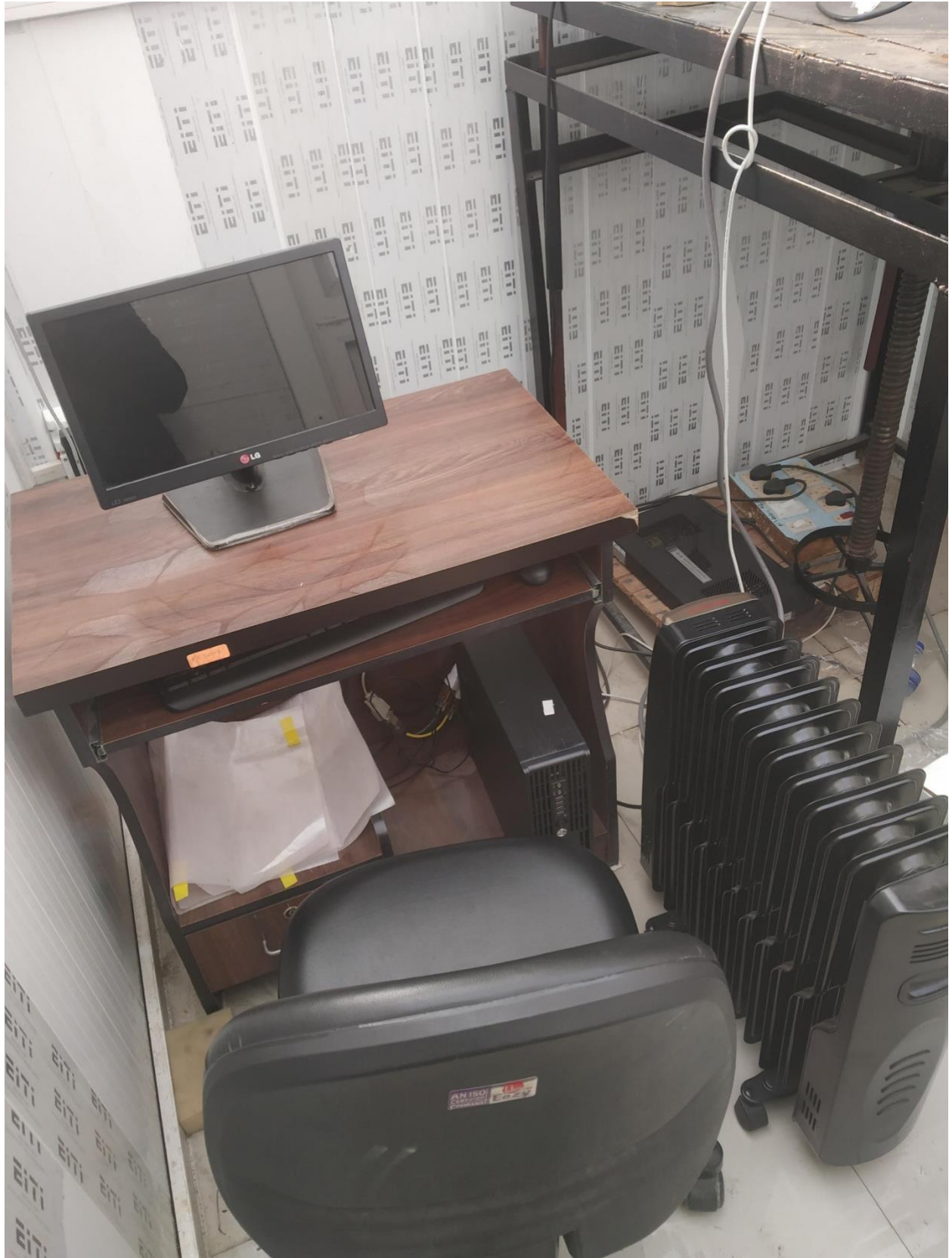




Instrument Name : All Sky Airglow CCD Imager



Brief Features : The NARL All sky CCD imager was installed at department of Physics University of Kashmir in 2017. It takes observation of night airglow emissions on clear nights (cloud free and moonless). It contains 5 different filters which measure the intensity variations at different wavelengths. The density variations due to various perturbations in the atmosphere leading to atmospheric gravity waves can be tracked by observing the night airglows by this instrument. The gravity waves may induce some kind of wave like perturbations in the ionosphere called as Traveling Ionospheric disturbances which can also be detected . These are very helpful in overall atmospheric and ionospheric dynamics . The impact of these waves on atmospheric dynamics and their generation mechanisms are being studied over Srinagar, Jammu and Kashmir . Presently two students from the Physics department University of Kashmir are working on the instrument and taking Airglow observations on clear nights.