

IPSITA ARYASUTA

National Institute of Technology Rourkela

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Education:

- Bachelor in Technology in Civil Engineering, Govt. college of Engineering Kalahandi, Bhawanipatna, Odisha India, 2014-2018.
- Master in Technology (M. Tech) in Atmosphere and Ocean Science, NIT Rourkela, Odisha, India, 2020-present.

Research Interest:

Atmospheric TEC (Total Electron Content) which is the total number of electrons present along a path between a radio transmitter and receiver in Ionosphere is modified by changing Solar extreme UV radiation and the atmospheric waves that propagate up from the lower atmosphere. This propagation of radio wave is affected by the Ionosphere. This total delay suffered by a radio wave depend both on TEC and frequency of radio waves, due to this some may pass and some may reflect back by the Ionosphere. So my research interest involves studies on Ionospheric disturbances due to Solar Eclipse which are captured and modelled by GPS measurements.

Internship/Training Experience:

2018 Internship on Hydroelectric project over Kolab Dam, Koraput, Odisha (1 month).

2019 One Year experience on Industrial Engineering.

Software Knowledge:

Experienced – *Microsoft office, Excel*; Basic- *QGIS 3.12, Google Earth, Matlab, AutoCad, StaadPro*

Hobby:

I like painting and exploring new things and also like watching movies and TV series in my spare time.

Awards and Grants:

2020. Qualified GATE 2020