

Greenwich, England - running north to south. The lines of latitude run east and west, parallel to the Equator. They are used to define the North-South position of a location on the planet. The lines of longitude run north and south. They are used to define the East-West position of a location on the planet. They run perpendicular to the Equator and latitude lines. Because the Earth is essentially a spherical shape, it is considered to have 360 degrees. Therefore, the planet has been divided into 360 longitudes as a form of measurement.

VI. ACKNOWLEDGMENT

This paper owes its completion to the guidance of many and without their help it would not have been possible to move ahead.

I would like to express our deepest appreciation to our project guide for constant guidance and support. The valuable suggestions have contributed in every way for shaping this work. Without supervision and encouragement this paper would have not been materialized.

I would thank to our Head of Department of Electrical Engineering as she has been a constant source of inspiration.

I would like to express our gratitude to Hon'ble Shri. Dattaji Meghe, Chairman, N.Y.S.S., Hon'ble Shri Sagarji Dattaji Meghe, Secretary N.Y.S.S., Hon'ble Shri Sameerji Dattaji Meghe, Treasurer, N.Y.S.S., and our Principal, Dr. Uday P.Waghe who provided us with all the facilities requires for this paper.

Finally, we thank GOD, our parents, my husband Mr.Jayant Bhojraj Sakhare and my lovely cutest daughter Runali Jayant Sakhare for their moral support and constant encouragement.

VII. REFERENCES

- [1] Davies, M. E., T. R. Colvin, P. G. Rogers, P. G. Chodas, W. L. Sjogren, W. L. Akim, E. L. Stepanyantz, Z. P. Vlasova, and A. I. Zakharov, "The Rotation Period, Direction of the North Pole, and Geodetic Control Network of Venus," *Journal of Geophysical Research*, Vol. 97, £8, pp. 13,14 1-13,151, 2011.
- [2] Bolstad, Paul. *GIS Fundamentals (PDF) (5th ed.)*. Atlas books. p. 102. ISBN 978-0-9717647-3-6.
- [3] Vespucci, Amerigo. "Letter from Seville to Lorenzo di Pier Francesco de' Medici, 1500." Pohl, Frederick J. *Amerigo Vespucci: Pilot Major*. New York: Columbia University Press, 1945. 76–90. Page 80.
- [4] Archinal, Brent A.; A'Hearn, Michael F.; Bowell, Edward L.; Conrad, Albert R.; et al. (2010). "Report of the IAU Working Group on Cartographic Coordinates and Rotational Elements: 2009". *Celestial Mechanics and Dynamical Astronomy*. 109 (2): 101–135. ISSN 0923-2958.
- [5] Robinson, A. H., Morrison, J. L., Muehrcke, P. C., Jon Kimerling, A. and Guptill, S. C., *Elements of Cartography*,. John Wiley, 2002, 6th edn.
- [6] Broda, H. W., & Baxter, R. E. *Using GIS ans GPS Technology as an Instructional Tool*. *Social Studies*, 94(4), 2003, 158-160.
- [7] Gao, C. Y., Gao, L. & Zang, D. E. *Application in the measurement of the expressway of GPS*, 2006, 199-201.

Author: - Prof. Trupti Deoram Tembhekar
 [Prof. Trupti Jayant Sakhare],
 Assistant Professor (UA)
 Department of Electrical Engineering
 Yeshwantrao Chavan College of Engineering,
 Nagpur, Maharashtra State, India.