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## Recent Trends in the technological development of Modern Navigation System

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**Abstract:** We know that people are connected in the world by their modern technologies which can give them a access to freedom and also they want all the possibilities that we have. So, in this paper we are describing about the navigation system of our modern technology through which we can provide comfort, accuracy on the road, giving voice assistant to protect the driver while driving and also integrate Bluetooth, GPS and Wi-Fi etc. By reviewing this paper, we are instigating the new innovation in the field of navigation system and also here we know the key development in the industry of navigation from where we can see our secure world for our upcoming future generation.

Keywords: Navigation, Augmented Reality, GPS, Radar, Adaptive Routing, IPS etc

## REFERENCES

- [1]. Embedded Vehicle Dynamics Aiding for USBL/INS Underwater Navigation System. Author: Marco Morgado, Paulo Oliveira, Carlos Silvestre, José Fernandes Vasconcelos 7<sup>th</sup> March, 2013, IEEE Transactions on Control Systems Technology
- [2]. J. B Review of Neurobiologically Based Mobile Robot Navigation System Research Performed Since 2000 Author: Peter J. Zeno, Sarosh Patel, Tarek M. Sobh 25<sup>th</sup> September, 2016
- [3]. A sonar-based mapping and navigation system Author: Alberto Elfes
  7-10<sup>th</sup> April,1986, for IEEE at 6<sup>th</sup> January, 2003,San Francisco, CA, USA, IEEE International Conference on Robotics and Automation.
- [4]. Achieving high navigation accuracy using inertial navigation systems in autonomous underwater vehicles. Author: Robert Panish; Mikell Taylor

6-9 June,2011, for IEEE explore 25th August, 2011, OCEANS 2011 IEEE - Spain

[5]. Tightly coupled ultrashort baseline and inertial navigation system for underwater vehicles: An experimental validation

Author: M.Morgado, P.Oliveria, C.Silvestre 10<sup>th</sup> December, 2012

