P.E.S. College of Engineering, Mandya - 571401
(An Autonomous Institution, affiliated to VTU, Belagavi)

Faculty Profile

General

Name	*Sindhu.P*
Designation,	*Assistant Professor*
Department & Affiliated Institution	Department of Artificial Intelligence & Machine Learning. P.E.S College of Engineering, Mandya – 571 401
Research Area	*Machine Learning*
Contact Number	*+91 9632880546*
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Academic Profile

Educational Qualifications

Degree	College	University	Year of Passing	Percentage	Class
M.Tech	*PES College of Engineering, Mandya*	*VTU, Belagavi*	*2016*	81%	*F C D*
BE	*Bahubali College of Engineering, Shravana Belagola.*	*VTU, Belagavi*	*2011*	64.4%	*F C*

Professional Experience

Organization and Department	Designation	Period	Total Experience
PES College of Engineering, Mandya.	*Assistant professor*	*05-10-2021 to Till Date*	-
ACS college of Engineering, Bangalore for *ISRO Funded Project*	*Junior Research Fellow*	*10-04-2017 to 01-06-2019*	*2 years 2 months*

Reports on Academic and Research Activities

Academic Activities

Teaching Records (Details of coursestaught)	Undergraduate: Computer Concepts and C Programing, Data Structures, Database Management Systems, Computer Networks, Computer Organization.

Research Guidance (Candidates Awarded / Pursuing Ph.D / M.Sc., Engg./ M.Phil)

Degree	Ph. D.	M.Sc., Engg.	M.Phil
Awarded	*Nil*	*Nil*	*Nil*
Pursuing	*Yes*	*Nil*	*Nil*

Sponsored Research Projects (List of Projects taken up /completed and funds receiver & funding sources)

Project Title	Project Funded by	Grants Sanctioned	Grants Received
Surrogate Model for Ionospheric Studies Using NavIC/GPS Data	*ISRO*	64 lakhs	64 lakhs

Research Publications in Refereed Journals and Conferences/Symposia

Number of Publications in	National	International
Journals	-	*07*
Conferences/Symposia	-	*01*

LIST OF PUBLICATIONS

1. **R. Mukesh, V. Karthikeyan, P. Soma, P. Sindhu, R.R. Elangovan,** *"Performance analysis of Navigation with Indian Constellation satellites"*, Journal of King Saud University - Engineering Sciences, Volume 32, Issue 8, 2020, Pages 518-523, ISSN 1018-3639, https://doi.org/10.1016/j.jksues.2019.06.002

2. **R. Mukesh, P. Soma, P. Sindhu, R.R. Elangovan,** *"Comparison of total electron content of IRNSS with IRI and GPS-TEC at equatorial latitude station".* AIP Conference Proceedings 2039, 020045 (2018) *https://doi.org/10.1063/1.5079004*

3. **R. Mukesh, V. Karthikeyan, P. Soma , P. Sindhu,** "Ordinary kriging - and cokriging - based surrogate model for ionospheric TEC prediction using NavIC/GPS data", Acta Geophys. 68, 1529–1547 (2020). https://doi.org/10.1007/s11600-020-00473-6

4. **R. Mukesh, V. Karthikeyan, P. Soma , P. Sindhu**, *"Prediction of TEC using NavIC/GPS data with geostatistical method/forecasting capability comparison with other models".* Astrophys Space Sci 365, 152 (2020). https://doi.org/10.1007/s10509-020-03868-5

5. **R. Mukesh, V. Karthikeyan, P. Soma , P. Sindhu,** *"Forecasting of ionospheric TEC for different latitudes, seasons and solar activity conditions based on OKSM".* Astrophys Space Sci 365, 13 (2020), https://doi.org/10.1007/s10509-020-3730-x

6. **R. Mukesh, V. Karthikeyan, P. Soma , P. Sindhu,** *"Analysis of signal strength, satellite visibility, position accuracy and ionospheric TEC estimation of IRNSS". Astrophys Space Sci 364, 196 (2019). https://doi.org/10.1007/s10509-019-3676-z*

7. **R. Mukesh, V. Karthikeyan, P. Soma , P. Sindhu,** *"Cokriging based statistical approximation model for forecasting ionospheric VTEC during high solar activity and storm days".* Astrophys Space Sci 364, 131 (2019). https://doi.org/10.1007/s10509-019-3612-2

8. **R. Mukesh, V. Karthikeyan, P. Soma , P. Sindhu,** *"Prediction of ionospheric vertical total electron content from GPS data using ordinary kriging-based surrogate model". Astrophys Space Sci 364, 15 (2019). https://doi.org/10.1007/s10509-019-3502-7*

Conferences:

1. International Conference on Sustainable Engineering and Technology (IconSET2018) held at ACS College of engineering, Bangalore.

2. International Conference on Sustainable Materials Design and Applications (ICSMDA 2018) held at Kongu Engineering College, Perundurai, Erode.