

Dr.Dabbu Suman

1. Name and full correspondence address

Dr.Dabbu Suman

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3. Institution : Assistant Professor in the Department of Biomedical Engineering, University College of Engineering, Osmania University, Hyderabad, Telangana, 500007.

4. Date of Birth :25th may 1983

5. Gender (M/F/T): Male

6. Category Gen/SC/ST/OBC: General

7. Whether differently abled (Yes/No) : No

8. Academic Qualification (Undergraduate Onwards)

	Degree	Year	Subject	University/Institution	% of marks
1.	Bachelors of Engineering	2001-2005	Bio-medical engineering	University college of Engineering, Osmania University	72.1
2.	Master of Engineering	2009-2011	Bio-medical electronics	University college of Engineering, Osmania University	80.1
3.	Ph. D	2019	Biomedical Engineering	University college of Engineering, Osmania University	NA

9. Ph.D. thesis title, Guide's Name, Institute/Organization/University, Year of Award.

Ph.D. thesis Title: Development and evaluation of driver drowsiness detection techniques through oculomotor system modelling and EEG signal processing.

Guide: Prof.M.Malini, Head, Department of BME, Osmania University, Hyderabad.

Year of Award: Sept, 2019.

10. Work experience (in chronological order).

S.No.	Positions held	Name of the Institute	From	To	Pay Scale
1	Assistant Professor	University college of Engineering, Osmania University	11-06-2007	10-06-2012	15600+AGP6000
2	Assistant Professor(Sr.Scale)	University college of Engineering, Osmania University	11-06-2012	10-06-2017	15600+AGP7000
3	Assistant Professor(Sn.Grade)	University college of Engineering, Osmania University	11-06-2017	Till date	15600+AGP8000

11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S.No	Name of Award	Awarding Agency	Year
1	Best Paper Award	IEEE India Conference (INDICON), New Delhi,	2015
2	Best Paper Award	International accreditation council of quality education and research (IACQER)	Dec, 2011

12. Publications (List of papers published in SCI Journals, in year wise descending order).

S.No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1	Tadesse Waktola Gamessa, Dabbu Suman	Non-Invasive Blood Glucose Monitoring using Visible Laser Light.	Research Journal of Pharmacy and Technology	Vol 12, ISSN 0974-360X	pp.831-840.	2019
2	B Dhananjay, M Srinivas, D Suman, M Malini, J Sivaraman	Fractal Dimension of Fundoscopic Retinal Images for Diagnosing of Diabetic Retinopathy	International Conference on E-Business and Telecommunications,	Springer, Cham	pp.23-30	2019
3	Tadesse Waktola Gamessa, Dabbu Suman, Zerihun Ketema Tadesse,	Blood glucose monitoring techniques: recent advances, challenges and future perspectives	International Journal of Advanced Technology and Engineering Exploration	Vol 5. ISSN (Online): 2394-7454	pp.335-344	2018
4	Banibrata Mukherjee Vineeth Muppalla, N Sri Sai Krishna	Implementation of an Arrhythmia Detection Scheme	2017 IEEE Calcutta Conference (CALCON)	IEEE Explore	pp.438-442,	2017

	Suraj, D.Suman	with Cellular Based Alert Framework,				
5	Suman, D., Malini, M. and V.Y.S.Reddy	ANN based Joint Time and frequency analysis of EEG for detection of driver drowsiness'	<i>Defence Life Science Journal</i>	Vol.2, No.4	pp.406-415	2017
6	Suman, D Malini, M. And Ramreddy, B.	Joint time–frequency analysis of EEG for the drowsiness detection: a study of cognitive behavioral patterns of the brain',	<i>Int. J. Vehicle Safety,</i>	Vol. 9, No. 3,	pp.262–277.	2017
7	Vineeth Muppalla, N Sri Sai Krishna Suraj, Vyza Yashwanth Sai Reddy, D Suman	Performance evaluation of different denoising techniques for physiological signals	14th IEEE India Council International Conference (INDICON)	IEEE Xlore	pp.1-6	2017
8	Vamsi R., Suman D., CH N., Malini M.	Discrete Wavelet Transform based statistical features for the Drowsiness detection from EEG.	17th International Conference on Biomedical Engineering. IFMBE Proceedings, Springer,	vol 61. Singapore	pp.88-94	2017
9	D. Suman, M. Malini and S. Anchuri	"EOG based vigilance monitoring system"	<i>2015 Annual IEEE India Conference (INDICON)</i> New Delhi	doi: 10.1109/INDICON.2015.7443210	pp.1-6	2015

10	D.Suman, Dr.M.Malini, Mr.ReddyVamsi, Mr.Nikhil Ch	“Smart Goggles for the Drowsiness detection to avoid Vehicle accidents”	Journal of the Instrument Society of India	ISSN 0970-9983	Vol.46, No.3	2016
11	D.Suman, Dr.M.Malini M.Venkateswara Rao	“ A GUI based tumour detection technique from the MRI in view of the pre-treatment planning of cancer surgery”	International Journal on Advances in Science & Technology, Science Publications	ISSN 2348-5426,	pp.57-60	2014
12	D.Suman, B.Guruprakash, M.Venkateswara Rao	“Effect of ancient techniques of yoga on physiological parameters of the patients suffering from asthma and hypertension”	International Journal of Engineering Science & Advanced Technology (IJESAT)	ISSN 2250-3676 Vol-2,issue-4	pp.846 – 850	

13. Books/Reports/Chapters/General articles etc.

S.No	Title	Author's Name	Publisher	Year of Publication
1	Blood glucose monitoring techniques: Recent advances, challenges and future perspectives	Tadesse Waktola Gamessa , Dabbu Suman, Zerihun Ketema Tadesse .	LAP LAMBERT Academic Publishing (March 7, 2019)	2019

14. Research & Development Projects

S.no	Project title	Funding Agency	Project worth in Rs	Duration
1.	A Holistic approach of yoga for the treatment of Yoga and Hypertension- A clinical investigation on the autonomic control system	DST-PURSE	4.0 Lakhs	2017-19

2	A fuzzy expert system for the detection of drowsiness from the EOG signal analysis	UGC-MRP	5.0 lakhs	2017-19
3	Mitigation of drowsiness from the blink characteristics of EOG signal	Seed grant of TEQIP-II, Govt.of India	1.0 Lakhs	2015-16
4	Design and development of OT table control board and remote	Consultancy for THUMBAY hospitals, Hyderabad.	0.40 lakhs	June-2016-June, 2017
5	Calibration of medical equipment	Consultancy for THUMBAY hospitals, Hyderabad.	1.60 lakhs	Feb-2019
6	Calibration of medical equipment	Consultancy for Lotus hospitals, Hyderabad.	1.50 lakhs	Feb, 2018

Other Information (maximum 500 words)

- Secured 1st rank in the All India level DIPP competitive examination conducted by CSIR and DIPP (Department of Industrial Policy and Promotion, Govt.of India) and selected as an “**Examiner of Patent and Design**” during January 2011 at Indian Patent Office.
- Organized a National workshop on “Convergence of Nano-Bio-Info-Cogno for Biomedical innovations” which was inaugurated by **Bharat Ratna, His Excellency, Dr.APJ.Abdul Kalam, Former President of India**, on 1st , August, 2014 , at Department of Biomedical

