

Profile

Name of the Faculty	Dr.T.Balaji					
Designation	Senior Assistant Professor					
Department	ECE					
Date of Birth	10-04-1982					
DOJ the Institution	20-06-2011					
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Education Qualifications	UG	PG	Ph.D	Others		
	B.E	M.Tech	completed			
Work experience	Teaching	Research		Industry	Others	
	18 years	6 years		---	----	
Area of Specialization	Bio Medical Signal Processing					
Courses taught at Under Graduate/ Post Graduate Level: (full course title only) UG Level: Electronic Devices & Circuits, Linear Integrated Circuits, Digital Integrated Circuits, Computer Architecture, Micro Processors, Control systems, Pulse Circuits, Digital Communications, Optical Communications, Cellular Communications						
Professional Memberships & ID's : IETE: AM 223334, ISTE: LM 65891						
Research Publications & Guidance	National Journals	International Journals	National Conferences	International Conferences	Patents	Books / Book chapters
	-	26	-	-	-	-
	Masters			-		

Details of Paper Publications (In IEEE Format only Descending order)	Journals: 1) K.Phani Rama Krishna, Dr.G.V. Prasanna Anjaneyulu, Anjaneyulu Naik.R, Dr.B.Keerthi Samhitha, Dr.J.Ravindranadh, Sreedhar Bhukya, T.Balaji, Dissolved Oxygen Level Measurement In Water Using Iot And Machine Learning, Journal Of Theoretical And Applied Information Technology,2025. Vol.103. No 4. 2) P. Ravi Kumar, T. Balaji, D. Bhavani, R. Ashok Kumar T. Prem Chander, Kiran Kumar Reddy Penubaka, N. Jaya, Air Quality Prediction Using Iot And Neural Networks-An Empirical Analysis, Journal Of Theoretical And Applied Information Technology,2025. Vol.103. No 3 3) V Vijaya Kumar Raju, Naregalkar Akshaykumar Rangnath, T Balaji, Dr. T. V. Hyma Lakshmi, Venkateswararao Cheekati, S Sindhura, Authentication Using Facial Expression Detection, Journal Of Theoretical And Applied Information Technology,2025. Vol.103. No 2. 4) Balaji, T., Thalluri Lakshmi Narayana, Koushik Guha., NICHOLAS UDE EZEG, Ganesh, G.V., L.Madhavi devi, Autonomous Drone With Lidar-Camera Fusion Based Calibration And Gnss For Smart Navigation Applications, Journal of Engineering Science and Technology,2024,19(6). 5) G Vamsi Krishna, Shravan Kumar Avula, V Vijaya Kumar Raju, T V Hyma Lakshmi, Praveen Tumuluru, Tata Balaji, N.Jaya, Enhanced Ecg Signal Classification Using Hybrid Cnn-Transformer Models With Tuning Techniques And Genetic Algorithm Optimization, Journal Of Theoretical And Applied Information Technology,2024. Vol.102. No 20 6) Dr. Dv Naga Raju, Mr.G Vamsi Krishna, Mrs. Madhavi Devi Lanka, R. Chandra Mohan, Dr Lakshmi Ramani Burra, Balaji Tata, Systematic Survey On Credit Card Fraud Transaction Detection Techniques, Journal Of Theoretical And Applied Information Technology,2024. Vol.102. No 18 7) Praveena Bai Desavathu, Kadiyala Sudhakar, Balaji Tata
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	,Bala Prasanthi Pavuluri, G.N.Sowjanya, G Prasanna Kumar, Kurra Upendra Chowdary, Efficient Way To Measure The Oxygen In Water Using Iot Devices. Journal Of Theoretical And Applied Information Technology,2024. Vol.102. No 8 8) P.Ravi Kumar, Viswanadham Ravuri, Tata Balaji, Kiran Kumar Kaveti,G Prasanna Kumar,Elangovan Muniyandy,N.Jaya, Discovery Of Liver Malignance Using Convolution Neural Network Variant, Journal Of Theoretical And Applied Information Technology, 2024. Vol.102. No. 10. 9) M V Ganeswara Rao,Lakshmi Manasa B, Balaji Tata, Dr. Karuna Arava Ane Ashok Babu, Praveen Tumuluru, N.Jaya, Hereditary Approach For Finest Dissection System For Web Data, Journal Of Theoretical And Applied Information Technology 2024. Vol.102. No. 10 . 10)Garimella Bharathi, Dr Kotte Sandeep, Balaji Tata, Anuradha Chokka, Dr. Karuna Arava, Deevi Radha Rani, N.Jaya, Numeral Salver Uncovering And Recognition Using Neural Network ,Journal Of Theoretical And Applied Information Technology 2024. Vol.102. No. 10. 11)A.Ashok Babu, Dr.G.Sudhavani, Dr.P.Venu Madhav, P.Sadharmasasta, Kurra Upendra Chowdary, T.Balaji, Dr.N.Jaya, Deep Learning Centered Methodology For Age Guesstimate Of Facial Images, Journal Of Theoretical And Applied Information Technology 2024,Vol. 102 ,No.6. 12)Panchagnula Venu Madhav, Dr. Suresh Kumar Pittala, Ashok Kumar Kavuru, A Murali Krishna, Balaji Tata, Kurra Upendra Chowdary, N.Jaya, Stream Of Traffic Sign Recognition By Means Of Auto Encoder Classification Models, Journal Of Theoretical And Applied Information Technology, 2024,Vol. 102. No. 5. 13)K.Phani Rama Krishna, Duvvuri Eswara Chaitanya Dr.M.Prema Kumar, Venkata Bhujanga Rao Madamanchi, Balaji Tata, Kurra Upendra Chowdary, Detection Of Casing Laceration Using Dense Cnn, Journal Of Theoretical And Applied Information Technology,2023,Vol. 101. No. 24. 14)K.Vidya Sagar, Surya Prasada Rao Borra, A. Geetha Devi, M. Raj Kumar Naik, Lakshmi Ramani Burra, Veera Vasantha Rao Battula, Tata Balaji, Saline Fluid Flow Supervision In Intensive Care Unit Using Precision Algorithm, Journal Of Theoretical And Applied Information Technology,2023,Vol. 101. No. 23. 15)Dr.Habibulla Mohammad, Dr. J. Ravindra Babu, Dr. Surya
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Prasada Rao Borra, Dr.Srinu Pyla ,Tata Balaji, Mrs. B. Mounika, Koteswara Rao Kodepogu, Empirical Investigations To Sentiment Analysis Of Movie Reviews Using Lstm, Journal Of Theoretical And Applied Information Technology,,2023 ,Vol. 101. No. 11.

- 16) Balaji, T., Jaya, N., Prasad, G.V.H., Design And Pso Based Optimization Of Bilstmcnn Stack Of Neural Networks For Ecg Signal Classification, Journal Of Theoretical And Applied Information Technology, 2023, 101(13).
- 17) Balaji, T., Jaya, N., Venkata Hari Prasad, G., Ecg Signal Classification Using Tuning Techniques Based Stack Of Neural Networks, Journal Of Theoretical And Applied Information Technology, 2023, 101(6).
- 18) Balaji, T., Jaya, N., Prasad, G.V.H., Ecg Signal Analysis Using Convolution Neural Networks To Avoid Uncertainty In Classification, Journal Of Uncertain Systems, 2023, 16(1). (Scopus indexed)
- 19) Suresh Kumar Pittala, Dr. Kongara Srinivasa Rao, Balaji.Tata, P.Ravi Kumar, N.Jaya, Dr Y Anuradha, Kurra Upendra Chowdary, An Ensemble Approach For Harvest Vintage Forecast With Machine Learning Techniques: An Experimental Study, Journal Of Theoretical And Applied Information Technology,2023,Vol. 101. No. 24.
- 20) Maha Lakshmi Tirumalasetty, Ravi Sekhara Reddy Vuppuloori, Balaji Tata, Venkata Ganeswara Rao Maddipati, Jaya Navaneethan, Upendra Chowdary Kurra, Koteswara Rao Kodepogu, Lalitha Kumari Gaddala, Surekha Yalamanchil, Systematic Survey On Chronic Kidney Disease Prediction Using Different Machine Learning Techniques, Revue D'intelligence Artificielle,37(6).
- 21) Tata Balaji, Kurra Upendra Chowdary, Dr. P Venu Madhav, Dr.A Geetha Devi, Mrs.T. Mahalakshmi, Dr.Surya Prasada, Rao Borra, N.Jaya, Pragmatic Investigations To Smart Dusts Location Appraisal Precisely Using Machine Learning, Journal Of Theoretical And Applied Information Technology,,2023, Vol. 101. No. 16.
- 22) Dr. J. Ravindra Babu, Tata Balaji, Dr. Surya Prasada Rao Borra, Dr.S. Hrushikesava Raju, M. Venkata Subba Rao, Dr. A.Geetha Devi, Dr K Koteswara Rao, Experimental Investigations To Face Recognition Using Opencv For Monitoring Turnout Time, Ournal Of Theoretical And Applied Information Technology.,2023, Vol. 101. No. 11.
- 23) T Balaji, P.Ravi Kumar, M.V.Ganeswara Rao, Geetha Devi

	Appari, Creating The Best Directed Random Testing Method To Minimize Interactive Faults- Empirical Perspective, Journal Of Theoretical And Applied Information Technology , 2023,Vol. 101. No. 7. 24) Rao, M.V.G., Balaji.T, Kumar, P.R., A High Performance Dual Stage Face Detection Algorithm Implementation Using Fpga Chip And DSPProcessor, Journal Of Information Systems And Telecommunication,10(40). 25) Tata Balaji, M Bhavadharini,R Poorni,N Krishnaraj, A Prediction Of Crops Using Machine Learning Techniques, Journal Of Green Engineering,10(11). 26) Appari Geetha Devi, Surya Prasada Rao Borra, Thotakura Haritha, Venkata Subba Rao Mandava, Tata Balaji, Kalapala Vidya Sagar, Koteswara Rao Kodepogu, An Improved Chi2 Feature Selection Based A Two-Stage Prediction Of Comorbid Cancer Patient Survivability, Revue D'intelligence Artificielle,37(1).
Details of Patents Published / Granted	----
Details of Certification Courses / Workshops / STTP's / FDP (participated / organized)	1. AI for Engineering Applications, NITTTR Chandigarh, 04-11-24 to 08-11-24 2. IoT and Embedded Systems, NITTTR Chandigarh, 23-09-24 to 27-09-24 3. Microstrip Patch Antenna Design Techniques and Tools, NITTTR Chandigarh, 16-09-24 to 20-09-24 4. NEP 2020 Orientation & Sensitization Programme, Osmania University, Hyderabad, 19-07-24 to 27-07-24 5. 5G and Beyond, NITTTR Chandigarh, 05-02-24 to 09-02-24 6. Neural Networks and Fuzzy Logic, NITTTR Chandigarh, 21-08-23 to 01-09-23 7. Recent Trends in Wireless Communication, pvpsit, 23-04-23 to 28-04-23 8. Medical Image Processing, PVPSIT, 22-08-22 to 02-09-22 9. Advancement on Antenna Technologies for Future Applications, VRSEC, 14-02-22 to 19-02-22 10. Essentials of 5G communication, PVPSIT, 26-08-21 TO 28-08-21 11. Outcome Based Curriculum-Design and Implementation, NITTTR, 02-08-21 TO 13-08-21 12. Future outlooks of Advanced Communication & Signal Processing, BEC, Bapatla, 25-05-20 TO 29-05-20 13. Modern Research Trends in Communication, Signal Processing and VLSI/MEMS, ALIET, Vijayawada, 19-05-20 TO 23-05-20 14. Programmoing for Everybody(Getting started with Python), University of Michigan, 25-04-20 to 08-05-20 15. AI for Everyone, University of Michigan, 20-04-20 to 01-05-20

Details of Projects Applied / Awarded	-----
Any Other information	-----