DHANEKULA INSTITUTE OF ENGINEERING & ECHNOLOGY
(Approved by AICTE Affiliated to JNTU Kakinada)
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	FACULTY PROFILE	
Name of the Faculty	**Dr BALAMURALIKRISHNA THATI**	
Designation	**Professor**	
Email & Phone No	balu.thati9@gmail.com balu.thati9@diet.ac.in +91 9490366269	
Date of Joining	6th June 2022	
Nature of Association	Regular	
Department	Computer Science & Engineering	
Educational Background	❖ Ph.D. (Doctor of philosophy) in Computer Science Specialization in Mobile Ad Hoc Networks (MANETs), Bharathiar University, Coimbatore in the year 2018. ❖ M.Tech. (Master of Technology) in Computer Science & Engineering, NCET, Vijayawada, Affiliated to JNTUK in the year 2009. ❖ M.Sc (Master of Science) in Computer Science, HINDU PG College, Guntur, A.N. University, Guntur in the year 2001.	
Research Areas	MANETs, Wireless Sensors Networks, Machine Learning, Block Chain Technologies.	
Experience	20 Years	

S.No	Institute	Designation	Period
1	Dhanekula Institute Of Engineering & Technology, Vijayawada.	Professor	06-06-2022 to Till Date
2	Sri Sarathi Institute of Engineering & Technology, Nuzvid.	Professor	07-07-2014 to 31-05-2022.
3	Paladugu Parvathi Devi College of Engineering & Technology, Vijayawada	Associate Professor	01-05-2010 to 05-07-2014.
4	Sri Sarathi Institute of Engineering & Technology, Nuzvid.	Associate Professor	01-05-2009 to 31-04-2010.

	5	Sri Sarathi Institute of Engineering & Technology, Nuzvid.	Assistant Professor	01-07-2001 to 30-06-2007.	

List of Publications (Journals / Conferences):

1. Balamuralikrishna Thati, "Graph Mining Technologies Used to Create Product Groups" *on Stochastic Modeling & Applications*, Volume 26, Issue 3, June 2022.
2. Balamuralikrishna Thati, " Virtual Private Network Flow Detection in Wireless Sensor Networks using Machine Learning Techniques" in *International Journal of Sensors, Wireless Comm: & Control* SWCC, Volume 11, Issue 1,Pages 716- 724, October 2021.
3. Balamuralikrishna Thati, "An Effective Secure Storage of Data in Cloud Using ISSE Encryption Technique" in *Annals of R.S.C.B.*, Volume 25, Issue 1, Pages 5321 – 5329, January 2021.
4. Balamuralikrishna Thati, "A Robust Method for Finding Somatic Mutations to form Clusters" in *International Journal of Engineering and Advanced Technology (IJEAT)*, Volume 8, Issue 4, April 2019.
5. Balamuralikrishna Thati, "SRIP: A New Way of Enhancing the Security of MANET Using Secure Routing Information Protocol" *in International Journal of Scientific Development and Research,* Volume 2, Issue 12, December 2017.
6. Balamuralikrishna Thati, "An Improved Dynamic path Discovery and Selection Algorithm for link failure in MANET" in *International Journal of Sciences and Research,* Volume 72, Number 12, December 2016.
7. Balamuralikrishna Thati, "Design and Development of an Efficient Routing Protocol for Mobile Adhoc Networks" in *International Journal of Emerging Engineering Research and Technology,* Volume 3, Issue 4(A), Pages 14-17, April 2015.
8. Balamuralikrishna Thati, "An Overview of Emerging Technologies & Security Issues in Mobile Ad Hoc Networks" on *International Journal of Computers & Communications*, Volume 1, Issue 1, January 2012.
9. Balamuralikrishna Thati, "Fuzzy Keyword Search over Encrypted Data in Cloud Computing " in *Journal of Asian Journal of Computer Science and Information Technology*, Volume 1, Issue 3, Pages 86-88, 2011.
10. Balamuralikrishna Thati, "Integrated Opinion Mining to Analyze the Impact of Blogging and Micro – Blogging on Rural Indian Market" on *International Journal of Advances Computer Engineering and Architecture*, Volume 1, Issue 1, Pages 43-48, June 2011.

Conference Publications:

1. Balamuralikrishna Thati, "Diagnosing for Liver Disease Prediction in Patients using Combined Machine Learning Models" in *Smart Systems and Inventive Technology (ICSSIT-2022) IEEE Explore*, DOI: 10.1109/ICSSIT53264.2022.9716312, April 2022.
2. Balamuralikrishna Thati, "Predicting Buy and Sell Signals for Equity Stocks Using Bollinger Band, MACD Indicators with the help of ML" in *Advances in Computer Engineering & Communication Technology*, October 2021.
3. Balamuralikrishna Thati "A Framework for Evaluating Performance of MADA-AODV Protocol by Considering Multi-Dimensional Parameters on MANET" in *Smart Intelligent Computing 'and Applications*, Volume 104, Pages 163-174, Springer, October 2018.
4. Balamuralikrishna Thati, " Reducing Dimensionality of Data Using Auto encoders" in *Smart Intelligent Computing and Applications*, Volume 160, Springer, Pages 51-58, October 2019.

5. Balamuralikrishna Thati, "A Stochastic Analytical Model for Evaluating Routing Performance of AODV Protocol for MANETs" in *International Journal of Advanced Research in Computer Science and Software Engineering,* Volume 6, Issue 3, March 2016.

Awards Received:

1. Received Best Teacher Award from Society for Learning Technologies in the year 2021.
2. Selected for the 4th edition of the most prestigious GLOBAL TEACHER AWARD 2021.
3. Received Best Teacher Award from Lions club of India in the year 2020.

Books Published:

1. Book Volume Editor entitled "Emerging Trends in Computer Science" P*ublished by Immortal Publications* with ISBN No.978-93-5416-233-6 (Elsevier SSRN Indexed).
2. T Bala Murali Krishna, "Introduction to Block chain Technology and Crypto currency", *Published by Scholar's Press (Germany)*, (2020) with ISBN number-9786 138944836.

Patents:

1. **Patent Application Number:** 202041018069
   Title: A Low Cost Effective Multi-Faceted System for Auto Scaling of servers in Cloud
   Issue 22/2020, May 2020.

Projects Guided:

Post-Graduation (P.G): 20 MCA
Under-Graduation (U.G): 25 B.Tech

Professional Bodies / Memberships / Editorial Board / Reviewer:

- ❖ Life **Member** of International Association of Engineers.
- ❖ **Reviewer** of (IJCRT) International Journal of Creative Research Thoughts (ISSN: 2320-2882).
- ❖ **Reviewer** of (IJEDR) International Journal of Engineering Development and Research (ISSN: 2321-9939).

Mooc Courses:

- ❖ Completed Certification of NPTEL-AICTE Faculty Development Program on Social Networks, Jan-Apr 2022.
- ❖ Completed Certification Courses on MongoDB Basics and MongoDB Charts from MongoDB University on November, 2021.
- ❖ Completed Certification Course on Oracle Cloud Infrastructure Fundamentals from ORACLE University on December, 2021.

Workshops Attended:

- ❖ Attended a Five Day online Faculty Development Program on " Research Trends in AI, IOT & Ethical Hacking" organized by Annamacharya Institute of Technology and Science Kadapa From 06-06-2022 to 10-06-2022.

- ❖ Attended a One Day Online Faculty Development Program on "IPR & Innovation Management in Engineering Science" Organized by IQAC, P.V.P Siddhartha Institute of technology in association of Andhra Pradesh State Council of Higher Education on 08-10-2020.
- ❖ Participated in E-Quiz on "Artificial Intelligence and Robotics", Organized by the Department of Instrumentation and Control Engineering, A.V.C.COLLEGE OF ENGINEERING, Mayiladuthurai in association with Instrument Society of India (ISOI)- Students Chapter, on 23.05.2020.
- ❖ Completed Internship Program on "Deep Learning Techniques" Organized by department of Information Technology, St.Peter's Institute of Higher Education, Chennai from 1-4-2020 to 16-04-2020.
- ❖ Completed a "National Level Quiz on NAAC" Organized by Department of Computer Engineering , P.V.P.P College of Engineering, Mumbai on 26-05-2020.
- ❖ Completed an"Online Faculty Program on NBA" Organized by Bharathi Vidyapeeth College of Engineering, Mumbai on 12-05-2020.
- ❖ Completed an "online Quiz on Data and Computer Communication Networks" Organized by Dept. of ECE, R.L.Jalappa Institute of Technology, Belagavi on 27-05-2020.
- ❖ Attended Leadership TalkWith Dr. Pramod Chaudhari, Founder, Chairman, Praj Industries Limited and Dr. Abhay Jere, ChiefInnovation Officer MHRD Innovation Cell, Saturday, 16th May 2020 at 01.00 PMby MHRD's Innovation Cell.
- ❖ Participated in the quiz on 'Covid-19' Awareness program and Scored 50 / 50 . This event is organised by Srinix College of Engineering, Balasore, Odisha to create awareness about Covid-19.
- ❖ Completed a National Level Quiz on "Hardware, Networking, Excel and Word" Organized by Dept. of CSE, Padmabhushan Vasantdada Patil Pratistans College of Engineering, Mumbai on 27-05-2020.
- ❖ Attended A 2-week AICTE Sponsored FDP on "Machine Learning in Engineering Applications and Trends Using Python and TensorFlow" on 18th to 30th November, 2019 organizing by CSE Department, PVP Siddhartha Institute of Technology.
- ❖ Attended Workshop on "Quality Enhancement, Assessment and Accreditation of Engineering Colleges" held on 11-11-2019 at JNTUK Kakinada.
- ❖ Attended a three day faculty development program (FDP) on Advancements in Cloud Computing Services and its Applications at Andhra Loyola Institute of Engineering and Technology in the month November 2016.
- ❖ Attended a six day faculty development program (FDP) on IoT for Emerging Technical Applications at PVP Siddhartha Institute of Technology in the month of November 2016.
- ❖ Attended one Day National Level Research Workshop on Recent Trends in Computer Science at Bharathiar University, Coimbatore in the month of February 2016.
- ❖ Attended a Three Day National Seminar on Recent Trends in Information and Communication Technology at Krishna University, Machilipatnam in the month of March 2015.
- ❖ Attended a Two Day National Level Workshop on Network Analysis Using NS3 Tool for Design, Testing and Implementation at MIC College of Technology in the month of November 2015.
- ❖ Attended Two Week ISTE Workshop on Computer Networking Conducted by IIT Bombay at PVP Siddhartha Institute of Technology in the month of July 2014.
- ❖ Attended National workshop on OOAD conducted by HCL, Hyderabad at Sri Sarathi Institute of Engineering and Technology in the month of May 2005.
- ❖ Attended a National level workshop on Advanced Databases at Srinidhi College of Engineering, Hyderabad in the month of February 2004.
- ❖ Attended Faculty Development Program on "Teaching and Learning Process" conducted by AICTE at Sri Sarathi Institute of Engineering and Technology in the month of June 2003.
- ❖ Organized National level Paper Presentations and fests at UG & PG Level.