

CURRICULUM VITAE

Dr. Ananda Babu J

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Objective:

Be affiliated with a prestigious institution in improving the standards of profession and empowering them with necessary skills, qualities, knowledge, attitude, and value of time.

Technical Strength

- Machine Learning and Deep Learning
- Hands-on R-Hadoop.
- Proficient in working with Linux and Windows platforms.
- Proficient in C Programming Languages.
- Familiar with Operating system concepts and computer networks.
- Familiar with Data structures
- Hands-on CISCO Packet Tracer network simulator.

Research Areas of Interest

- Data Science
- Artificial Intelligence
- Cloud Computing
- Wireless Ad hoc Networks

Academic Qualification

- **Ph.D.** (Computer Science): Visvesvaraya Technological University.
Advisor: Dr. Siddaraju, Professor & Head, Dept. of CSE, Dr. AIT, Bangalore.
Research Center: Dept. of CSE, Dr Ambedkar Institute of Technology, Bangalore.
Thesis Title: Effective Power Optimization Techniques in WSN. (2012-2017)
- **M.Tech:** (Computer Network Engineering) NIE, Mysore (2007-2009)
- **B.E:** Computer Science & Engineering, Kalpataru Institute of technology (2003-2007)

Testimonials

- Certificate of Appreciation from Swayam NPTEL for instrumental role as SPOC of Malnad College of Engineering Hassan rated "A" Based on the performance on online Courses Jan-Dec-2020
- Faculty Excellence Award by International Conference of Engineering trends in Science, Engineering & Management for best contribution in Academic Research and development Activity on 21th January 2021.
- **Best Paper Award** in International Conference (2018) held at Department of CSE,EWIT, Bangalore 23 to 25 February 2018.

Work Experience(Teaching/Research)

Sl No.	Name of the Institute	Designation	No. of Years
1.	Malnad College of Engineering, Hassan	Associate Professor	Aug-2019 till date
2.	Sapthagiri College of Engineering, Bangalore	Associate Professor	0.7
3.	Kalpatharu Institute of Technology, Tiptur	Assistant professor/Associate Professor	10
4.	National Aerospace Laboratory ,Bangalore	Project Intern	0.8

Research Experience

- **Dr. AIT, Bangalore**- Worked as a Research Scholar in the research center Dept. of CSE, Dr. AIT, Bangalore, in the research area Wireless Sensor Networks from January-2013 to January-2016. Published research papers on various refereed journals.

Fund Received

- Received Fund of **93,000.00** to conduct AICTE ATAL FDP on "**Block Chain Technologies and its application**" in the Department of ISE,MCE Hassan from 03-07 November-2019. (AICTE File No.01/AICTE/ATAL-HQ/2020-21/1560)

Details of Research Scholars:

Sl.No.	Name	USN	Title	PhD Status
1	Anitha K	4MC15PEJ08	A Novel Hybrid MAC Schemes for Optimizing Network Parameters in WSN	Ph.D. Awarded
2	Mr Vinay D R	4MC16PEJ14	SECURE DATA HIDING IN VIDEO SEQUENCES	Thesis Submitted

Patents

1. Title: Populated Place monitoring and Medical alerts using Wireless Network analysis and respond using Cloud Computing. Application No. 202041056170A. Publication date: 01/01/2021
2. Title: Design And Fabrication Of Electric Smart Bike With Voice Recognition Application No. 202041053479 Publication date:18/12/2020
3. Title: A System And Method To Provide Efficient Power Optimization Technique In Wireless Sensor Network. Application No. 201841043962
4. Title: Design And Development Of Intelligent Management Layer For The Network Management System Application No. 201841043963

Publications

1. Vinar DR, **Ananda babu J** " A novel secure data hiding technique into video sequences using RVIHS " International journal of computer network and information security. IJCNIS Vol.13, No.2, Apr. 2021 DOI: 10.5815/ijcnis.2021.02.05 **Scopus** ,
2. Vinar DR, **Ananda babu J** " Cryptographic based approach for Data hiding in Advanced Video Sequences " Turkish Journal of Computer and Mathematics Education" (TURCOMAT). Vol.12 No.6 (2021), 2031-2038, April 2021 **Scopus**
3. Anitha K, **Ananda babu J** "Novel approach for hybrid MAC Scheme for balanced energy and transmission in Sensor Devices", International Journal of Electrical and Computer

Engineering(IJECE) , SNIP:1.144;SJR:0.368 ,**Scopus Indexed Journal**.(Accepted for Publication)

4. Nireeksha R J , **Dr. Ananda Babu J** , Varshini C," Survey on Women Safety Using Machine Learning Techniques " International Journal of Scientific Research in Engineering and Management (IJSREM),Volume: 04 Issue: 06 | **June -2020** ISSN: 2582-3930.
5. Nayana A D, **Dr. Ananda Babu J** , Ananya Anand,"A Survey on Political Bias Recognition using Tweets". International Journal of Scientific Research in Engineering and Management (IJSREM),Volume: 04 Issue: 06 | **June -2020** ISSN: 2582-3930
6. Anitha K , **Ananda Babu J** , "Optimizing Performance Parameters in Wireless Sensor Network using Hybrid Medium Access Control "EAI Endorsed Transactions on Energy Web doi: 10.4108/eai.13-1-2021.168092 , published on 13 January 2021 (Scopus).
7. Raviprakash M.L. Dr. C S Pillai, **Ananda babu J** “Object Recognition using Lucas-Kanade Technique and Support Vector Machine Based Classification in Video Surveillance Systems”, International Journal of Engineering and Advanced Technology(IJEAT), Vol. 9 Issue - 1,October-2019, ISSN:2249-8958
8. Kumar Swamy B.V, Dr. Gowramma Y.P. **Ananda babu J**: “*Efficient Data Gathering by MobiSink in WSN using Optimized Route Points Intelligence System (ORPIS)*”; International Journal of Computer Networking, Wireless and Mobile Communications (IJCWNMC), <http://www.tjprc.org/journals.php?jtype=1&id=29>
9. Kumar Swamy B.V, Dr. Gowramma Y.P. **Ananda babu J**: “*Energy Efficient Path Selection (EEPS) Of Mobisink for Efficient Data Collection in WSNs*”; International Journal of Advanced Research in Computer Science (IJARCS), <http://www.ijarcs.info>
10. Kumar Swamy B.V, Dr. Gowramma Y.P. **Ananda babu J**: “*Energy Modernization Approach for Data Collection Maximization using Mobile Sink in WSNs*”; Volume 13, Number 9 (2018) pp. 6655-6659. International Journal of Applied Engineering Research (IJAER), <http://www.ripublication.com/>
11. R Guru, Dr.Siddaraju, and **Ananda babu J**“ One hop forwarding technique for QOS routing with an Improved Fault tolerant Clustering Mechanism for Multimedia Sensor Networks” *International Journal of Computer Science and Information Security (IJCSIS)*, Vol. 15, No. 11, November 2017 **Scopus Indexed Journal**

12. Kumar Swamy B.V, Dr. Gowramma Y.P. **Ananda babu J**: “*Route Trajectory Identification Mechanism (RTIM) of MobiSink for Efficient Data Collection in WSNs*”; Volume10, Number 3 September 2018. International Journal of Computer and Electrical Engineering (IJCEE), <http://www.ijcee.org>
13. **Ananda babu J**, Dr Siddaraju ,Yogish H K “*Adaptive Duty Cycle Medium Access Control Protocol for Wireless Sensor Networks*”, International Journal of Application or Innovation in Engineering & Management (IJAIEEM), Volume 5, Issue 8, pp 450-458, August 2016.
14. **Ananda babu J**, Dr Siddaraju “*CLBR-Co-operative Load Balancing in Robust Duty Cycle MAC Protocol for Energy Efficient WSNs*”, International Journal of Emerging Trends & Technology in Computer Science (IJETTCS) Web Site: www.ijettcs.org Email: editor@ijettcs.org, ISSN 2278-6856. Volume 5, Issue 4, July - August 2016.
15. **Ananda babu J**, Dr Siddaraju “*Modelling Of Energy Consumption Aware Wsn Using Robust Duty Cycle Mac Protocol*”, International Journal of Engineering Science Invention Research & Development (IJESIRD); Vol. II Issue VIII February 2016. www.ijesird.com e-ISSN: 2349-6185
16. **Ananda babu J**, Dr Siddaraju, Guru “*Energy Efficiency Mechanisms in Wireless Sensor Networks: A Survey*”, International Journal of Computer Applications (0975 – 8887) Volume 139 – No.14, April 2016. <http://www.ijcaonline.org/archives/volume139/number14/24674-2016908954>

Book Chapters/ Lecture Series

1. Vinay D R, Jogesh V Motwani, **AnandBabu J**, " Secured two layer encryption and pseudorandom based video steganography into cipher domain using machine learning technique", Advanced in Intelligent system and computing, Vol. 1317,Pradeep Kumar Mallick et al: Cognitive Informatics And Soft Computing, 978-981-16-1055-4, 502531_1_En (39).
2. **Ananda babu J**, **Vinay DR**, **Kumarswamy B V**,**Chethan Chandra**," Machine learning based recommendation system on movie reviews using KNN classifiers " Journal of Physics: Conference Series (1964) 2021 042081 IOP Publishing doi:10.1088/1742-6596/1964/4/042081 **Scopus**.

Paper presentation in Conferences

1. Keerthan Kumar T G, Srikanth MS, **Ananda babu J**, " Performance evaluation of packet injection and DOS attack controller software(PDACS) module", 5th international conference ICICCT-2021 organised by government college of Technology, Namakkal, Tamil Nadu, India during 25-26 June-2021.
2. Harshitha ,M Nayak, Naresh E Sahana P Shankar **Ananda Babu J** " Cognitive Computing in Software evaluation" 2020 International Conference on Decision Aid Sciences and Application (DASA) , 10.1109/DASA51403.2020.9317134, IEEE 15 January 2021.
3. **Ananda babu J** Intelligent answer system using similarity model based learning, 14th national conference on Integrated intelligent computing communication & Security in Department of Information Science and Engineering 4th May 2019 SJBIT, Bangalore.
4. Kumar Swamy B.V, Dr. Gowramma Y.P, **Ananda Babu J**: *Energy Efficient Path Selection (EEPS) Of Mobisink for Efficient Data Collection in WSNs*; NACIT18027, May 2018. Third National Conference on "Advances in Computing and Information Technology (ACIT-2018)" Organized by REVA University, Bengaluru.
5. **Ananda babu J**, Dr Siddaraju, Guru "RD-MAC: An Energy Efficient Routing Protocol for Wireless Sensor Networks", IEEE 2nd International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT- 2016), SJBIT-Bengaluru

Forthcoming Publications

1. An Efficient Algorithm for Channel Assignment of Nodes in MANETs
2. Blink to Speech Conversion for Paralyzed (MND) Patients Using ML Based Algorithms

Proposals Submitted:

1. "Crop Yield Estimation using Areal Imagery through Deep Learning", PI- Dr. Balaji Prabhu B V, CoPI Dr Ananda Babu J, Associate Professor, Dept. of ISE, MCE Hassan. submitted to KCTU-2020.

Invited Talks in Workshop

1. Delivered a Webinar on “An Overview on Wired LANs Ethernet” Organized by Dept Of CSE, SJCIT, Chikkaballapur 11th June 2021.
2. Delivered a webinar on Data science & its applications on 11th may 2021 organized by Department of CSE & ISE, Nagarjuna college of Engineering & Technology, Bangalore.
3. Delivered a talk on "Security Aspects in IOT" AICTE ATAL from 4th to 08th January 2021 organized by Department of ECE JNNCE, Shimoga, Karnataka.
4. Delivered a talk on "Applications on Data science" AICTE ATAL from 7th to 11th december 2020 organized by Department of CSE SKIT, Coimbatore, TN.
5. Delivered a talk on "Introduction to algorithms" in the Dept of CSE AIT, Bangalore on 28th March 2019.
6. Delivered a talk on Infosys campus connect program on Python a Student Development Program, Organized by Dept Of CSE, SCE, Bengaluru 6th February 2019
7. Delivered a talk on Object Oriented Concepts at Student Development Program, Organized by Dept Of CSE, SCE, Bengaluru 5th February 2019.

Invited Sessions

- Session Chair in 7th National Conference on Advancements in Information Technology (NCAIT) on 18th July 2021 Organized by department of ISE, JSSATE .Bangalore
- Session Chair in 7th International Conference on Green Technologies for Power generation, Communication and Health Care on 6th June-2021 Organized by department of ECE, EEE, BME at SPIHER, Chennai, India.
- Session Chair in 2nd International Conference on engineering and Advancement in Technology - 2021 Lords Institute of Engineering & Technology, Hyderabad in Association with organization of Science & innovative Engineering and Technology (OSIET), Chennai, India. on 16th and 17th July-2021
- Session chair- National Level Technical Symposium organized by Department of Information Science & Engineering on 26th April-2019 Sapthagiri college of Engineering Bangalore.
- Jury Member 4th National level Project Competition "IEEE PROJECT EXPO-2019" Organized by IEEE Student Branch GSSSIETW ON 29TH April-2019, Mysore.

- Judge For “TECHMAZE-17”, Intercollegiate Technical Paper Presentation Competition on 27th April-2017 in Dept. Of ECE, KIT, Tiptur.

Workshops/Conferences Attended

- One Week FDP on " Accreditation :An Accelerator for quality " Organized by Department of CSE, SDM Dharward from 22-28 April 2021
- Two Weeks FDP On " R Language & R Studio " Jointly Organized by IIT Bombay & Department of CSE, CIT Bangalore from 22nd June to 05th July 2020 .
- One Week AICTE ATAL FDP on " Data Science" organized by Computer Science Department, Central university of Kerala from 09-13 June 2020
- One Week AICTE FDP On" NBA & NACC Accreditation Process " Organized by MSRIT Bangalore from 04-08 June-2020
- One Week FDP on " Neural Networks & Deep learning using Python" organized by School of Computer Science Reva University from 01-05 June 2020
- One Week FDP on" Machine learning using Python" organized by School of Computer Science Reva University from 25-29 May 2020
- One Week AICTE FDP on" Examination Reforms " organized by KLE Tech Huballi from 22-25 April 2020
- Teqip Sponsored One Week FDP on " Digital Transformation In Teaching learning Process" Conducted by NPTEL Organized by IIT Bombay from 6th April to 24th April 2020
- One days FDP on “Feel teacher- Developing, Counseling, Mentoring” Malnad college of Engineering Hassan 02 November 2019.
- Five day workshop on “ AICTE Training And Learning (ATAL) Academy sponsored FDP on Block chain” from 03-11-2020 to 07-11-2020 at Malnad College of Engineering, Hassan.
- Two Weeks FDP on “Technology based Entrepreneurship Development Program”, Organized by Department of ECE, SJBIT Bangalore. On 27th January to 08th February 2019.
- Two Weeks AICTE FDP on “Massive Parallel Super Computing using Open CL Framework on the Heterogeneous Computing Platform”, Organized by Department of CSE DBIT Bangalore, during 06-18 January 2020.
- Teqip-3 One Week workshop on “Advanced Image Processing Techniques Using MATLAB”, organized by department of ECE CIT Gubbi, during 15-19 July 2019.
- One Week AICTE FDP on, “Network Data Analytics”, organized by Department of CSE, MSRIT, Bangalore, during 01-05 July 2019.
- One Week FDP on “Foundation of Cryptography”, organized by Department of CSA IISC Bangalore 30th July to 03rd August 2018.
- Teqip-3 One Week workshop on “Administration Foundations of sales force Cloud Platform”, organized by Department of CSE, Dr. AIT Bangalore 05-09 February-2018

- Two Days FDP on Advance storage area network & industry Perspective, organized by Department of CSE/ISE SIT, Tumkur during 9-10 October- 2014
- Two Days FDP on , Advanced algorithms & Data structures- Industry Perspective, organized by Department of CSE/ISE SIT, Tumkur during 19-20 September 2014
- Three days workshop on “Research methodologies & Latex”, organized by SIET, Mangalore during 09-11 September 2014.
- One week “Simulation and test bed environment for research challenges in wired and wireless networks”, organized by Dept. of ISE, MSIT, Bangalore, during on 28th July to 02nd August 2014
- Three days FDP on, "Knowledge mining using machine learning and its applications, organized by Dept. of ISE, MSIT, Bangalore, during on 23-25 January 2014.
- Three days FDP on “Network simulator for wireless network”, organized by Dept. of CSE,AIT, Moodbidri. On 17-18 January 2014.
- Three days workshop on “Wireless Sensor Networks Recent Trends and Applications”, organized by Dept. of ISE, MSIT, Bangalore, during 07-09 November 2013.
- Two weeks FDP on Digital art and design. organized by Dept of Architecture ,IIT Kharigpur during 10-22 January 2010.
- One Week FDP on Advanced data structures, organized by Dept CSE, NIT Calicut during 5-9 July-2010
- Two Weeks FDP on Soft computing techniques in electrical engineering, organized by Dept EEE, NIT Warangal during 7-19 December-2009,

Workshops/Events Organized

- Organized one Day Workshop on "Cloud Computing & Virtualization" in the Dep. of ISE MCE, Hassan on 14th October 2019
- Organized one Day Workshop on "Software Testing" in the Dep. of ISE MCE, Hassan on 12th October 2019.
- Organized a workshop on Big data & Hadoop in the Dept of CSE, SCE, Bangalore, on 6th-8th March,2019
- Coordinator for organizing conference/symposium/seminars in the department of CSE [Tech yugam 2017,2018].
- Coordinator and organizer for workshop on “Advances in artificial intelligence and agent technologies” on 6th March 2015.

- Judge For “TECHMAZE-17”, Intercollegiate Technical Paper Presentation Competition on 27th April-2017 in Dept. Of ECE, KIT, Tiptur.
- Coordinator and organizer for Student Development program on Infosys campus connect program on Python from 04-06th Feb-2019 SCE, Bangalore

Certification (MOOC) Courses

- "Python for Data Science", NPTEL, by Prof. Ragnathan Rengasamy, IIT Madras, Aug - Sep 2019.
- "Effective Engineering Teaching in Practice "by Prof. G K Suraishkumar. IIT Madras, Jan - Mar 2021

Responsibilities Held

College Level

- Samarth ERP SPOC
- Swayam NPTEL SPOC
- IRINS Coordinator

Department Level

- Research Center coordinator
- NBA coordinator
- Time Table coordinator
- Placement coordinator

PROFESSIONAL ACTIVATES

- Question Paper Setting for Universities / Autonomous Institutions
- Setting up Computer Laboratories
- PG Seminar Coordinator
- NBA Coordinator
- Worked as External DCS VTU, 15th June 2015 to 6th July 2015, CIT-Gubbi.

Professional Membership:

- ✓ ISTE (Indian Society for Technical Education) LM 75479
- ✓ CSI(Computer society of India) L1500354
- ✓ IETE(Institution of Electronics and Telecommunication Engineers) AM-234649

- ✓ IAENG (International Association of Engineers) 164748
- ✓ IACSIT (International Association of Computer Science & Information Technology) M-80347612

Review Activity

- Peer reviewer for Sixth International Conference on Emerging research in Computing, Information, Communication Applications ERCICA-2020 held during September 25-26 NMIT, Bangalore.
- Peer reviewer for Third IEEE conference Multimedia Processing, Communications & Information Technology MPCIT-2021, 11-12 December 2020 organized by Dept. of ECE, JNNCE Shimoga
- Peer reviewer for Second Annual International Conference on Data Science, Machine Learning Block Chain Technology held during February 15-16” 2021. organized by Dept. of CSE VVCE Mysore ACM Student Chapter.
- Peer reviewer for Springer International Conference on Cyber security and Digital Forensics, April 3 2021.
- Peer reviewer for “IEEE-Flagship International Conference IEEE Sub Section at novkis College of Engineering, Hassan October 2021,.

References

1. Dr. G T Raju, Principal, Department of Computer Science & Engg., SJGIT, chikkaballapur .Email id: gtraju1990@yahoo.com
2. Dr. Siddaraju, Dean Academics Professor & Head, Department of Computer Science and Engineering, Dr. AIT, Bangalore, India. Email id: siddaraju@dr-ait.org.
3. Dr. B Uma, Dean Academics Professor & Head, Department of Information Science and Engineering, Malnad College of Engineering, Hassan, Email id: bu@mcehassan.ac.in

Personal Details

Nationality:	Indian
Date of Birth:	10/05/1985
Marital Status:	Married
Address for communication:	Dhatri Nilaya, Beside Bhagyalakshmi Shamiyana Veterinary Hospital Road, Kote Tiptur Tq. Tumkur Dt. 572201.

Other Interests: Swimming, Traveling and Trekking.

The information contained herein is true to my knowledge.

Dr. Ananda Babu J