

CURRICULUM VITAE

Dr.CH. SURESH BABU

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Objective:

As a part of my life time ambition, I want to do multiple researches in various universities and serve the students in Academic Environment.

INSTRUCTION EXPERIENCE: 14-Years

- 1.11 years** Working as **Associate Professor** for department of **IT in Gudlavalluru Engineering College** from 30th August 2018 to till date.
- 6.1 years:** Working as **Associate Professor** for department of **CSE in Gudlavalluru Engineering College** from July 2012 to 30th August 2018
- 4 years:** Worked as **Asst.Professor** for department of **CSE in Gudlavalluru Engineering College** from 11-06-2008 to 30-06-2012
- 2 years:** Worked as **Asst.Professor** for department of **CSE in P.V.P Siddhartha Engineering College, Vijayawada** from 08-11-2004 to 23-11-2006

GRANTS FETCHED:

1. UGC minor research project titled “**Precision Aquaculture using wireless sensor networks**” received for the year of 2014-2015 and Completed in 2017 (UGC Letter No.F.MRP-6122/2015 (SERO/ UGC))

BOOKS PUBLISHED:

1. “**Water quality predictions of aqua ponds using functional tangent and distributed functional tangent decision tree**” by LAMBERT Academic publishing 2019

ACADEMIC REWARDS / ACHIEVEMENTS:

- ❖ Reviewer for Elsevier journal remote sensing environment
- ❖ Reviewer for Iranian Journal of Science and Technology, Transactions of Electrical Engineering(Springer)
- ❖ Reviewer for journal of internet technology
- ❖ Reviewer for The Open Electrical & Electronic Engineering Journal

- ❖ Reviewer for **national marine fisheries services** ,USA
- ❖ UGC-NET qualified.

SCHOLASTICS:

- Ph.D** : Completed Ph.D in Computer Science & Engineering at **JNTUK, Kakinada** in February , 2018
- Post Graduation** : Completed M.Tech at **Sathyabama University** in 2008, Chennai, with an aggregate of **70%**.
- Graduation** : Completed B.Tech (Computer Science & Engineering) From **V.R.Siddhartha Engineering College** in 2004 With an aggregate of **71%**.
- Diploma** : Completed diploma in **G.M.R, Polytechnic, Rjy** In 2001 with an aggregate of **73.86%**.
- S.S.C** : Completed SSC from **Z.P.H. School**, Angaluru in 1998 With aggregate **67.5%**.

TECHNICAL EXPERTISE:

- Programming Languages** : C, Java, Shell Scripts, Android Programming.
- Scripting Languages** : HTML, XML.
- Database** : Oracle
- Development Tools** : Net Beans, Eclipse
MATLAB7.0 (Image Processing Tool Box).
- Operating Systems** : Windows Family

SUBJECTS DEALT:

- Scripting Languages
- Big Data
- Artificial Intelligence
- Mobile Application Development
- Oops through Java
- Mobile computing
- Wireless networks
- Advanced computer architecture
- Human computer interaction
- Operating Systems
- Multimedia and web Technology
- C Programming
- Information Technology
- Computer Organization
- Data Communication

PRO-FOUND EXPERIENCE: @ Gudlavalleru Engineering College

- Coordinator for “AP Skill Development Corporation training Programs”.
- Coordinator for “Coding Club Activity”
- Coordinator for “ Campus Networking”
- In-charge of “discipline committee”
- In-charge of NBA Work (Criteria V &VI).
- In-charge of NAAC Work (Criteria III).
- Faculty advisor for first year students, Gudlavalleru Engineering College in the academic year 2014-2015.
- Faculty advisor for STEP Student Chapter, Gudlavalleru Engineering College in the academic years from 2011 to 2015.
- Student counselor for 1st Year B.tech (CSE- A, B&C Sec).
- In-charge of MOBILE COMPUTING LAB
- Member of purchase committee
- Member of Anti-Ragging.

AFFILIATION TO PROFESSIONAL BODIES:

- Member Institute of Elect. & Electronics Engineers (**IEEE**) (91099158).
- Member of SAEINDIA
- Member of The Institution of Engineers (India)

PROJECT PROFILE:

GUIDED / GUIDANCE PROJECTS:

M.Tech Projects:

Guided
13

B.Tech Projects:

Guided	Under Guidance
23	0

LIST OF WORKSHOPS/ GUEST LECTURES ORGANIZED:

- ❖ Organized APSSDC Workshops like PYTHON, AWS, and FULLSTACK..... and UDACITY,COURSERA Certifications for students and faculty
- ❖ Organized the one day workshop on “**Smart India Hackathon-2018**”.
- ❖ Organized the Two day workshop on “**Soft Computing Techniques**”.
- ❖ Organized the one day guest lecturer in “**Big data Analytics**”.
- ❖ Organized one day guest lecturer in “**Pattern Classification**”.
- ❖ Organized One-Week ISTE Workshop on “**Computer Networking**” at Gudlavalleru Engineering College, Gudlavalleru Conducted by **IIT-Bombay** during 30th June to 5th July 2014.
- ❖ Organized Workshop on “**Open Source Software**” in association with **SWECHA** at Gudlavalleru Engineering College during 25th July 2012.

SEMINARS / WORKSHOPS ATTENDED:

- ❖ Attended **Workshop on CYBER SECURITY** during 22nd -26th July 2020 by Department of CSE&IT ,Gudlavalleru Engineering College
- ❖ Attended “**One week Workshop on PHP and MySQL**” during 18th June to 24th June 2020 V.K.R, V.N.B & A.G.K COLLEGE OF ENGINEERING, Gudivada. In Association with Spoken Tutorial Project, IIT-Bombay, funded by National Mission on Education through ICT, MHRD, Govt. of India.
- ❖ Attended “ **One week Workshop on Block chain Technologies** ” during 9th -13th June 2020 by Gudlavalleru Engineering College
- ❖ Attended “**FDP on R Programming Language**” during 28th to 30th May 2020 by Smt. Kamala & Sri Venkappa M. Agadi College of Engineering & Technology,karnataka
- ❖ Attended “**Two-Week Online Faculty Development Program on Data Science using Python**” from 15-05-2020 to 24-05-2020 by LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, LB Nagar, Mylavaram
- ❖ Attended “**One week Workshop on Big Data Tools** ” during 18th -23rd May 2020 by St,Martin Engineering College , Secunderabad
- ❖ Attended “**FDP On Introduction of Data Science** “ from 18th to 22nd May 2020 by Guntur Engineering College
- ❖ Attended “ **One week Workshop on Machine learning Applications in Software Engineering** ” during 11th -16th June 2019 by Electronics &ICT Academy at NIT Warangal, Warangal

- ❖ Attended “ **One week Workshop on Machine learning and Deep Learning** ” during 1st -7th May 2019 by IT Department, Gudlavalleru Engineering College
- ❖ Attended “**One week Workshop on Internet of Things with IBM Watson**” during 26th November 2018 to 1st December 2018 by IT Gudlavalleru Engineering College
- ❖ Attended “ **One week Workshop on Data Science and Big Data Analytics**” during 7th May 2018 to 11th May 2018 by ICT Academy, Gudlavalleru Engineering College
- ❖ Attended “ **One week Workshop on Cloud Infrastructure and Services**” during 21st May 2018 to 25th May 2018 by ICT Academy, Gudlavalleru Engineering College
- ❖ Attended “**Two-Day National Level Workshop on Learning Management Systems and Ed-Tech Tools (WLMSET-2017)**” during 22nd to 23rd December 2017. JNTUK ,KAKINADA
- ❖ Attended “**One week Workshop on Data Analysis using open Source Statistical Package “R”** ” during 27th November 2017 to 2nd December 2017 by Electronics & ICT Academy, NIT Warangal at VR Siddhartha Engineering College.
- ❖ Attended “ **One week Workshop on Big Data Analytics**” during 14th November 2016 to 19th November 2016 Gudlavalleru Engineering College
- ❖ Attended “ **Two Day Workshop on Intelligent system for more connected world :Internet of Things** ” during 24th & 25th November 2016
- ❖ Attended “ **Two Day Workshop on Windows Azure** ” during 21st & 22nd November 2016 at Gudlavalleru Engineering College
- ❖ Attended “ **Two Day Workshop on Big Data Analytics**” during 25th & 27th February 2016 at JNTUK ,KAKINADA
- ❖ Attended “**Workshop on Internet of Things (IOT) and Idea context** ” during 12th to 23rd August 2016 at Krishna Pushkaralu, vijayawada
- ❖ Attended “Faculty Development Program on Pervasive and Mobile Computing” Organized by Electronics & ICT Academy during 24th November to 3rd December 2015.
- ❖ Attended One Week workshop on “Introduction to Design of Algorithms” Conducted by IIT Kharagpur from 25th to 30th May 2015.
- ❖ Attended in Two-day Faculty Development Program on “**Big data & Hadoop Technologies**” at Gudlavalleru Engineering College during 12th – 13th March 2015.
- ❖ Attended in One-Week ISTE Workshop on “**Big data and Cloud Computing**” at JNTUK UCE, Vizianagaram Conducted by CSE Dept in Feb. 2015.

- ❖ Attended in One-Week ISTE Workshop on “**Big data and Cloud Computing**” at A.N.U, GUNTUR Conducted by CSE Dept in Dec. 2014.
 - ❖ Attended in Two-Week ISTE Workshop on “**Cyber Security**” at Gudlavalleru Engineering College, Gudlavalleru Conducted by **IIT-Bombay** during 10th to 20th July 2014.
 - ❖ Attended in One-Week ISTE Workshop on “**Computer Programming**” at Gudlavalleru Engineering College, Gudlavalleru Conducted by **IIT-Bombay** during 16th to 21st June 2014.
 - ❖ Attended One-Week workshop on “**Training Teachers for Excellence**” by **Dr.B.G.Barki** (Former Director NITTR, Chennai) at Gudlavalleru Engineering College during 17th June 2013- 21st June 2013.
 - ❖ Attend the 15 days course on “**INTELLCTUAL PROPERTY RIGHTS**” in JNTUK, Kakinada from may 1st to May 15th 2013.
 - ❖ Attend the 15 days course on “**RESEARCH METHODOLOGIES**” in JNTUK, Kakinada from may 1st to May 15th 2013
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- ❖ Attended in Two-week ISTE Workshop on “**Database Management Systems**” at Gudlavalleru Engineering College, Gudlavalleru Conducted by **IIT-Bombay** under **National Mission on Education through ICT** (MHRD) during 21st to 31st May 2013.
 - ❖ Attended in Two-day ISTE Workshop on “**Aakash for Education**” at Gudlavalleru Engineering College, Gudlavalleru Conducted by IIT-Bombay during 10th & 11th November 2012.
 - ❖ Attended in One-day AICTE National Seminar on “**Artificial Intelligence Applications in Image Processing**” at Gudlavalleru Engineering College during 29th August 2012.
 - ❖ Attended in Two-day Faculty Development Program “**Recent Developments in Cloud Computing**” at Gudlavalleru Engineering College during 17th & 18th August 2012.
 - ❖ Attended in One-day “**Software Testing & Testing Tools**” in association with **SWECHA** at Gudlavalleru Engineering College during 26th July 2012.
 - ❖ Attended in Two-day Workshop on “**Database Design & Design Tools**” in association with CSI and COIGN&IT Services Pvt.Ltd at Gudlavalleru Engineering College during 11th & 12th July 2012.
 - ❖ Attended in Two-day “**Ethical Hacking & Information Security**” in association with Entrepreneurship Cell, **IIT Kharagpur** and **Virscnt Technologies Pvt.Ltd** at Gudlavalleru Engineering College during 22nd-23rd June 2012.

- ❖ Attended in One month course on “**Computational Computing and JAVA**” at **IIIT-HYDERABAD**, Conducted by STEP MAY 1st to 30th 2012.
- ❖ Attended in four-day faculty development program on “**Refresher Course: FLAT & DAA subjects**” conducted at Gudlavalleru Engineering College, Gudlavalleru during 23-26 Nov-2011.
- ❖ Attended in Two-day faculty development program on “**MODELING AND TEXTURE MAPPING**” using **MAYA** conducted at Gudlavalleru Engineering College, Gudlavalleru during 3rd and 4th Dec-2010.
- ❖ Attended in the workshop on **MOBILE COMPUTING** conducted at Gudlavalleru Engineering College, Gudlavalleru on 29-30 Oct 2010.
- ❖ Participated to the **ISO&NBA** workshops in Vijayawada.
- ❖ Participated to the short course on “**Teaching Methodologies**”, by V.R.SIDDHARTHA Engineering College, Vijayawada.
- ❖ Participated in “**A Two day Hands-On Workshop on IPv4 & IPv6**” conducted at Gudlavalleru Engineering College, during 24th-25th November 2017

PUBLICATIONS/CONFERENCES:

International/National Journals	International/ National Conferences
17	6

JOURNALS:

1. “**Pneumonia Prediction Using X-Ray Images**” Alochana Chakra Journal
Alochana Chakra ISSN NO:2231-3990 Volume IX, Issue VI, June,2020
2. “**Smart Voting System Through Face Recognition**” Alochana Chakra Journal
Alochana Chakra ISSN NO:2231-3990 Volume IX, Issue V, May,2020
3. “**Convolutional Neural Network for Water Quality Prediction in WSN**” Journal
of Networking and Communication Systems **ISSN:2582-3817** Vol.2, Issue No.3,
July 2019
4. “**Deep Learning Networks For ECG Heartbeat Arrhythmia Detection in Telemedicine**” International Journal of Engineering and Advanced Technology ISSN:
2249 – 8958, Vol.X, Issue No.X,2019

5. **“Water Quality Prediction Using Support Vector Machine In Wireless Sensor Networks”** International Journal Of Innovative Technology And Research ISSN: 2320-5547 Volume No.6, Issue No.2,2018
6. **“Routing for Overlap Supportive Assorted Wireless Sensor Networks”** International Journal of Innovative Technology and Research ISSN: 2320-5547, Volume 5, Issue 3, Page no: 6101-6104 May 2017
7. **“DFTDT: Distributed functional tangent decision tree for aqua status prediction in wireless sensor networks”** International Journal of Machine Learning and Cybernetics (Springer) ISSN: 1868-808X, 2017.
8. **“Water quality prediction using functional tangent decision tree in wireless sensor networks** “Journal of Intelligent and Fuzzy Systems ISSN 1064-1246, 2017.
9. **“Effective Sensing, Observation, Transformation and Modeling of Aqua Datasets Using Data Infusion Techniques and Machine Learning Algorithms for Aqua Monitoring Systems”** International Journal of Computer Science and Information Security (IJCSIS), Vol. 14, No. 11, November 2016.
10. **“Optimized Routing Protocols For Heterogeneous Multi-Hop Wireless Networks”** International Journal of Scientific Engineering and Technology Research "ISSN: 2319-8885,Volume 5, Issue 18,Page no: 3671-3674" July 2016
11. **Efficient Design and Deployment of Aqua Monitoring Systems Using WSNs and Correlation Analysis**, International Journal of Computers Communications & Control ISSN 1841-9836, 10(3):297-305, June, 2015.
12. **Design and Deployment of Aqua Monitoring System Using Wireless Sensor Networks and IAR-Kick**, J Aqua Res Development Volume 5, Issue 7, 1000283 ISSN: 2155-9546 JARD.
13. **“An Improved Local Broadcast Transmission Reduction Technique in Wireless Networks”, Published in IJCOT. Vol. 3. Issue No.11. December 2013**
14. **“Improved Authentication and Integrity Verification in Wireless Sensor Networks” Published in IJCTT. Vol. 5. Issue No.6. November 2013.**
15. **“Optimization Protecting Location Privacy and Improving the Lifetime of Wireless Sensor Networks”, Published in IJCST. Vol. 4. Issue No.1. March 2013.**

16. **“Secure Mobile ADHOC Routing to Protect from Black Hole Attack”
Published in IJETED. Vol. 1. Issue No.3. January 2013.**
17. **“Route Recovery Scheme for Efficient MANET” Published in IJETED. Vol. 1.
Issue No.3. January 2013.**

CONFERENCES:

1. **“ECG Heart beat classification by hybrid of ELM and Rule”** in Procedia Computer Science - Science Direct 2019
2. **“Classification of ECG Heartbeat Arrhythmia: A Review “** in Procedia Computer Science - Science Direct 2019
3. **“A Deep Learning network for ECG Heartbeat Arrhythmia Detection in telemedicine”** International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES-2018) November 30-December 1, 2018
4. **“Clustering Soil Temperature Using Wireless Sensors.”** Selected for International Conference on Educational Technology 2011.
5. **“Novel Defense Tactics and Jamming Attacks in Wireless Sensor Networks”** Selected for International Conference on Educational Technology 2011
6. **“Resource Allocation for Wireless Multicast in Efficient Way”** Selected for International Conference on Educational Technology 2011

WEBINARS:

- ❖ Attended **“webinar on Season 5 of Skycampus on the theme The Future of Skills - Education, Employment & Entrepreneurship”** on 13th May 2010 by ICT ACADEMY
- ❖ Attended **“webinar on writing Quality Research paper and proposal”** on 22,May 2020 by International School of Management, Patna

CERTIFICATIONS: NPTEL certifications completed in DBMS & JAVA