



Dr.K. Madhavi

Associate Professor & HOD

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Qualification: M.Tech, Ph.D.

Experience: 19 Years

Industry: Nil

Teaching: 19

Research:11

Publications:

Journals		Conferences	
International	National	International	National
47	2	26	7

Research Areas: Mobile Ad Hoc Networks, Data Mining, Big Data Analytics, Cloud Computing

EDUCATION

- **Ph. D** (Computer Science & Engineering) in 2012
- **M.Tech** (Computer Science & Engineering) in 2002.
- **B.Tech** (Electronics & Communications Engineering) in 2000.
- **Diploma** (Electronics & Communications Engineering) in 1990.

PROFESSIONAL TEACHING EXPERIENCE (18+ YEARS)

- **Associate Professor**, Department of CSE, JNTUACEA, from 2016 to till date.
- **Assistant Professor**, Department of CSE, JNTUACEA, from 2006 to 2016.
- **Assistant Professor**, Department of CSE, Sri Vidyanikethan Engineering College, Rangampet from 2003 to 2006.
- **Assistant Professor**, Department of CSE, Sri Venkateswara College of Engineering & Technology, Chittoor from 2002 to 2003.

RESEARCH EXPERIENCE

- Research experience: +11 Years

ADMINISTRATIVE AND ACADEMIC POSITIONS

1. Head, Department of CSE, JNTUACEA, from May 3rd 2021 to till date.
2. TEQIP- III, JNTUACEA coordinator from March 02nd 2020 to till date
3. Additional Controller of Examinations, JNTUA, from 2015 to 2019.
4. Officer In charge of Academic Section (OAS), JNTUA from 8-3-2013 to 31-7-2015.
5. UG Lab-in-Charge, Dept. of CSE, JNTUA, from January 2013 to March 2013.
6. NSS Program Officer, JNTUA from 3-1-2012 to 8-3-2013.
7. R&D Lab-in-Charge from June 2007 to December 2012.

8. Department Library-in-Charge from January 2007 to October 2012.
9. Deputy Warden for Hostels, JNTUA from 27-1-2009 to 7-3-2011.
10. Member, Board of Studies (BoS) in the department of Computer Science & Engineering at Siddhartha Institute of Science and Technology, Puttur.
11. Member of the Governing body of the Vagdevi College of Pharmacy and Research Centre, Nellore.
12. Member of the Governing body of Sri Sai Institute of Engineering & Technology, Ananthapuramu.
13. Coordinator for various workshops, seminars and symposiums conducted at Dept. of CSE, JNTUA.
14. Member, IQAC, JNTUA.
15. Member in various purchase committees in the college and University.

PATENTS

1. An Intelligent Torchlight” filed with Application number: No.202141020583 A, published on 14/05/2021.
2. “An Apparatus for Detection of Gas Leakage” filed with Application number: 201941003789, published on 02/08/2019.

RESEARCH PROJECTS

1. Completed a research project under “UGC XII Plan 2016-17” with project title: “A real-time Rolled Fingerprint Recognition using MATLAB” for an amount of Rs. 1,69,000/-

BOOKS PUBLISHED

1. “Programming with R” published by Cengage in 2018, ISBN: 9789386858177.
2. Recent Innovations in Computer Network (National Conference Proceedings), ISBN: 978-93-83635-90-0.

AWARDS AND RECOGNITIONS

1. Received best project award in “Refresher Course” at JNTU, Hyderabad.
2. Received award “Adarsh Vidya Saraswati Rashtriya Puraskar” from Global Management Council on 5th Sep 2018.

WORKSHOPS

- *Attended*
 1. Participated in TEQIP-III sponsored **Three-Day Workshop on Pedagogical Skills for Faculty in Outcome-Based Education**, held during 6-8 December 2019 conducted at JNTUA College of Engineering, Ananthapuramu.
 2. Participated in One Day Workshop on “Innovations in Technology,” on 9th December 2015 at JNTUA.
 3. Participated in One Day Workshop on “Cyber Security,” on 8th October 2015 at JNTUA.
 4. Participated in “Complimentary Training/Orientation on MATLAB, Simulink & Related Tool Boxes for Engineering Education” on 7th October 2015.
 5. Participated in One Day Workshop on “Role of Women in Engineering (WIE),” on 19th September 2015 at JNTUA.
 6. Participated in One Day Workshop on “Awareness on IT/ITES Job Roles and Big Data Analytics,” on 20th August 2015, at JNTUA.
 7. Participated in One Day Workshop on “Awareness on Washington Accord for Outcome Based Education,” on 4th August 2015, at JNTUA.

8. Participated in One Day Workshop on “Agile Methodologies” on 25th February 2015.
9. Participated in the Two Day Workshop on “IBM DB2 Academic Associate,” conducted by IBM Hyderabad at JNTUACEA, Ananthapuramu during 19th& 20th December 2014.
10. Participated in the Two Day Training Program on Bharath Operating System Solutions (BOSS) – Minimalistic Object Oriented Linux (MOOL),” held at JNTUACEA, Ananthapuramu during 16th& 17th October 2014.
11. Participated in the Two Day Workshop on “Outcome Based Education Approach in Engineering Curriculum,” organized by JNTUACEA, on 26th& 27th of August 2014.
12. Participated in One Day Workshop on “Technology Enhanced Learning through NMEICT-Implementation of Spoken Tutorial Project,” in Collaboration with IIT Bombay at JNTUACEA on 10th July 2014.

- ***Organized***

1. One Day National Workshop on “Training Program for NBA Criteria and Accreditation Process” held at JNTUACEA on 3rd March 2015 as Co-Convener.
2. Organized One Day National Workshop on “Awareness Campaign on Ethical Hacking,” on February 18th 2012 at JNTUACEA.
3. Organized One Day National Workshop on “Market-Oriented Cloud Computing,” on December 27th 2011 at JNTUACEA.

SEMINARS

- ***Attended***

1. Participated in the National Seminar on “Recent Trends in Networking & Security,” organized by Department of CSE, JNTUACEA, on 15th & 16th of November 2013.

SYMPOSIUMS

- ***Organized***

1. Organized Two Day National Level Student’s Symposium “PIXEL-2K8,” on 18th& 19th December 2008 at JNTUACEA.

FACULTY DEVELOPMENT PROGRAMS

1. Participated and completed AICTE Training & Learning (ATAL) Academy Online FDP on “Developing consciousness (Transcendental Meditation),” from 9th to 13th of November 2020 at JNTUA College of Engineering.
2. Participated and completed AICTE Training & Learning (ATAL) Academy Online FDP on “Blockchain” from 8th to 12th of September 2020 at JNTUA College of Engineering (Autonomous).
3. Participated in 5 days Online Faculty Development Program on Basic of R Programming organized by Department of CSE, Rajiv Gandhi University, Arunachal Pradesh in association with IIT Bombay Spoken Tutorial from April 29th to May 3rd 2020.
4. Participated in an AICTE sponsored Two-Week Faculty Development Program on “Mathematical Modeling and Simulation for Scientists & Engineers” organized by Department of Chemical Engineering, JNTUA-CE, Ananthapuramu during 24-02-2020 to 07-03-2020.
5. Participated in TEQIP-III sponsored One-Week Faculty Development Programme on Research

Methodology and Data Analytics during 23-28 September 2019 conducted at JNTUA College of Engineering, Ananthapuramu.

6. Participated in the Three Day Faculty Development Program on Big Data Analytics held from 20-Feb-2017 to 22-Feb-2017 at JNTUA College of Engineering, Ananthapuramu.
7. Participated in the Two Weeks Faculty Development Program on Entrepreneurship from 6th to 18th July 2015 sponsored by Entrepreneurship Development Institute of India under DST-NIMAT organized by Entrepreneurship Development Cell, JNTUH in association with JNTUA.
8. Participated in the Two Day Faculty Development Program on Programming in C & Data Structures held at JNTUACEA, Ananthapuramu on 25th & 26th March 2015.

ORIENTATION & REFRESHER COURSES

1. Participated in Three Weeks UGC sponsored Refresher Course on Gender Studies from 3rd to 23rd February 2016 organized by MANUU at Hyderabad.
2. Participated in Three Weeks UGC sponsored Refresher Course on Networks Security and Cryptography from 11th September 2013 to 1st October 2013 at JNTUH, Hyderabad.
3. Participated in the 119th Orientation/Refresher Course organized from 9th to 14th February 2012 organized by the university Training and Orientation Centre, Andhra University, Visakapatnam, held at S.K. University, Ananthapuramu.
4. Participated in Four Weeks UGC sponsored Orientation Course General-II from 25th February 2008 to 22nd March 2008 at JNTU, Hyderabad.

WEBINARS

1. Participated in the Webinar on “Impact of COVID-19 on the development of Rural Economy – Challenges and Opportunities” on the 27th of July 2020. organized by LEAD INDIUA Foundation and JNTUA, Ananthapuram.
2. Participated in the 5 day Webinar on “Mathematical Perspectives on Computational Science and Engineering,” from 6th to 10th July 2020 organized by Department of Mathematics, MSRIT, Bangalore.

PROFESSIONAL SOCIETY MEMBERSHIPS

- ISTE Life Member (from 2012)
- IE Life Member (from July 2012)
- IEEE Senior Member
- Computer Society of India (CSI) Life Member

CERTIFICATION PROGRAMS

1. NPTEL

- Switching Circuits and Logic Design
- Computer Organization and Architecture: A Pedagogical Aspect

GUEST LECTURERS / ACADEMIC SESSIONS

1. Delivered Guest Lecture on Digital Logic Design at SVCE, Tirupathi in 17th November 2018.

2. Delivered Guest Lecture on Computer Organization at SVCE, Tirupathi on 8th September 2018.
3. Delivered an academic session on “Sorting & Searching” at APSCHE sponsored workshop on “C & Data Structures,” held from 3rd to 8th September 2012.

CHAIR/JUDGE FOR TECHNICAL EVENTS

1. Acted as **Session Chair** for the 4th International Conference on Computing (NECICC-2K16) at Narasaraopeta Engineering College, on 21st and 22nd October 2016.
2. Acted as judge for Elocution Competition in NSS University Level Youth Festival on 29th January 2016 at JNTUA.
3. Acted as judge for Poster Presentation Competition in NSS State Level Youth Festival during 12th& 13th February 2015 at JNTUA.
4. Acted as judge for Poster Presentation Competition in NSS State Level Youth Festival during 12th& 13th February 2015 at JNTUA.
5. Acted as Judge in National Level Technical Symposium FUZON-14 held on 18th October 2014 at Sri Krishnadevaray University College of Engineering and Technology, Ananthapuramu.
6. Acted as Judge for One Day National Level Technical Symposium “MITS-2K13,” on 8th February 2013 at Madanapalle Institute of Technology & Science, Madanapalle.
7. Acted as Judge for National Level Technical Symposium “INGINERO-2012,” on 27th February 2012 at Shri Sai Institute of Engineering and Technology, Ananthapuramu.
8. Acted as Judge for National Level Technical Symposium “IGNITE2K16,” on 5-3-2016 at G. Pullaiah College of Engineering and Technology, Kurnool.

NSS PROGRAMS ORGANIZED

1. Organized NSS special Camp from 5th to 11th March 2012 at Gundhiredypally Village.

OTHER PROFESSIONAL SERVICES

1. Editorial Board Member, International Journal Of Advanced Research In Innovative Discoveries In Engineering And Applications (IJARIDEA).
2. Reviewer, International Research Journal of Teacher Education, Premier Publishers.
3. Reviewer and Program Committee Member, International Conference on Intelligent and Smart Computing in Data Analytics (ISDA 2020), K L University, Guntur, Andhra Pradesh, India.
4. Reviewer, 4th International Conference on Information, Communication & Computing Technology (ICICCT-2019), organized by Jagan Institute of Management Studies, New Delhi, India.
5. Chief Guest for the International Womens Day Cellabrations at Anantha Lakshmi Instiitute of Technology & Sciences, Ananthapuramu organized on 8th March 2019.
6. Reviewer, Third International Conference on Emerging Trends in Electrical, Communication and Information Technologies-2018 (ICECIT-2018), organized by SRIT, Ananthapuramu on 20-22 December 2018.
7. Organizing Secretary for the National Conference on Recent Innovations in Computer Networks (NCRICN-2015) held at JNTUACEA on 21st& 22nd August 2015.

NUMBER OF PH.DS GUIDED & AWARDED

Total Guiding	:	14
Ongoing	:	14
Awarded	:	03 (Submitted Thesis)

NUMBER OF PG & UG PROJECTS GUIDED

B. Tech	:	42
M. Tech	:	43
MCA	:	33