



Dr.K.Nikitha

Self Appraisal

PERSONAL DETAILS

DOB July 31, 1982
Address Flat 404,Urban Oaks 2, Near Patels Bright View, Kowkooor,Secunderabad
Mobile (+91) 9550506027
Mail nikithakukunuru@gmail.com

EDUCATION

Doctor of Philosophy 2010-2015
GITAM University, Visakhapatnam
Specialization-Information Technology
Awarded PhD

Master of Technology 2006-2008
Andhra University
Specialization-Information Technology
Percentage-77.4%

Bachelor of Technology 1999-2003
Jawaharlal Nehru Technological University, Hyderabad
Specialization-Electronics and Communications Engineering
Percentage-60%

Board of Intermediate 1997-1999
Vidwan Junior College, Guntur
Percentage-89%

SSC 1997
Alpha Public School, Nalgonda
Percentage-82%

WORK EXPERIENCE

Lecturer 2019-till date
MJPTBCWRDC, Wargal
Working as Lecturer in Computer Science Department since 8th March 2019 to till date.

Associate Professor 2017-2019
M. V. S.R Engineering College, Hyderabad
Worked as Assoc. Prof. in Information Technology Department since 17th Jan 2017 to 7th March 2019.

Assistant Professor 2009-2016
GITAM Univerity, Hyderabad

Worked as Asst. Prof. in Computer Science and Engineering Department since 4th July 2009 to 31st Dec 2016.

Associate Professor

2008-2009

Nalgonda Institute of Technology and Science, Nalgonda

Worked as Assoc. Prof. in Computer Science and Engineering Department from 15th Oct 2008 to 4th July 2009.

Assistant Professor

2005-2008

GITAM College of Engineering , Visakhapatnam

Worked as Asst. Prof. in Electronics and Communications Engineering Department from Dec 3rd 2005 to Oct 4th 2008.

SUBJECTS TAUGHT

Subjects

C Programming
C++ Programming
Data Structures using C and C++
Web Technologies
DataBase Management Systems
Design and Analysis of Algorithms
Switching Theory and Logic Circuits
Artificial Intelligence
Object Oriented Programming through JAVA

Labs

C Programming
C++ Programming
Data Structures using C and C++
Web Technologies
DataBase Management Systems
Design and Analysis of Algorithms
Object Oriented Programming with JAVA

PROFESSIONAL BODY MEMBERSHIPS

MISTE
LM91096

Life member of Indian Society for Technical Education

MCSI 1186459

Life member of Computer Society of India

MISC L31285

Life member of Indian Science Congress

IAENG 164680

Life member of International Association of Engineers

PRESENT AND PREVIOUS YEAR ACTIVITIES IN MJPTBCWRDC

- Worked as ATP during 1st May 2020 – 30st May 2021

- Degree Admission Coordinator during 2020-21
- House and Class Incharge of I year BCom General during 2021-22
- House and Class Incharge of I year MSCS during 2019-20
- I B.Sc. MSCS Admission Convenor during 2019-20
- I B.Sc. MSDS Admission Convenor during 2021-22
- Computer Lab incharge during 2019-20 and 2021-22
- Computer Science Department Inchargeduring 2019-20
- Cognizant Placement Committee Member during 2019-20,2020-21,2021-22
- Website Committee Member during 2021-22
- NAAC Committee Member during 2020-21
- Working under NPTEL Swayam Courses in translating the files of the Course Software Project Management offered by IIT Kharagpur in Telugu Language, Sep,2021
- Worked under NPTEL Swayam Courses in translating the files of the Course Database Management System offered by IIT Kharagpu rin Telugu Language,11 Sep,2020
- Worked under NPTEL Swayam Courses in translating the files of the Course Introduction to Indutry 4.0 and Industrial Internet of Things offered by IIT Kharagpur in Telugu Language,13 July,2020
- Conducted Quiz in Meraki 2020
- Accomodation Committee incharge during Meraki 2020

ACTIVITIES IN OTHER INSTITUTIONS

- NAAC Incharge for the Department of IT,MVSREC during 2017-18,2018-19.
- R & D Incharge for the Department of IT,MVSREC during 2017-18,2018-19.
- CSI-MVSR Incharge for the Department of IT,MVSREC during 2018-19.
- Data Dissemination Committee Member for the Department of IT,MVSREC during 2017-18,2018-19.
- Class Teacher and Advisor for II Year B.E for the Department of IT,MVSREC during 2018-19, I Semester.
- Website Incharge for the Department of IT,MVSREC during 2017-18,2018-19.
- Project Co-ordinator for the Department of IT,MVSREC during 2016-2017,2017-18,2018-19.
- Incharge for the Department of CSE,GITAM University during 2014-2015,2015-2016.

- II year Co-ordinator for the Department of CSE,GITAM University during 2015-2016.
- Timetable and Workload In-charge for the Department of CSE,GITAM University during 2014-2015,2015-2016.
- AMC Counsellor for the II year students during 2014-2015,2015-2016.
- Handled technical classes on Data Structures and Algorithms for B.Tech. and M.Tech. students.
- Proctoral Committee member for the Department of CSE during 2014-2015,2015-2016.
- AMC Chairperson for the II year students of CSE during 2014-2015,2015-2016.
- Organizing Committee Member of the International Conference being conducted in March 2016.
- Program committee member for PRAMANA 2014,2015

JOURNALS PUBLICATIONS

- Nikitha, *Energy Efficient Disjoint Multipath Routing Protocol Using Simulated Annealing in MANET*, Wireless Personal Communications, Springer Nature, ISSN 0929-6212, Vol. 119, <https://doi.org/10.1007/s11277-021-08502-3> April, 2021.
- Nikitha, *Coverage Improvement and Path Selection in WSN*, International Journal of Recent Scientific Research, ISSN 0976-3031, Vol. 9, No. 1, pp. 23360-23364, Jan, 2018.
- Nikitha, *Hybrid Approach for Sensor deployment in WSN*, ARPN Journal of Engineering and Applied Sciences, JEAS, ISSN 1819-6608, Vol. 12, No. 11, June, 2017.
- Nikitha et al., *UCCX based Application for Holiday management*, International Journal of Engineering Trends and Technology, IJETT,ISSN 2231-5381, April, 2017.
- Nikitha et al., *Image Fusion Analysis for Hyperspectral Data*, International Journal of Research in Engineering and Technology, ISSN 2321-7308, Vol. 5,No. 7, May 2016.
- Nikitha et al., *Hyperspectral Sensor Data Fusion at Decision level using Support vector machine*, International Journal of Research in Engineering and Technology, ISSN 2321-7308, Vol. 5,No.12, May 2016.
- Nikitha et al., *Effective Coverage Gap Repairing in Wireless Sensor Networks*, Int. J. of Wireless and Mobile Computing, Inderscience Publishers, pp:475-484,Vol.7 No.9 2014.
- Nikitha et al., *Effective Connectivity for Sparse and Dense Wireless Sensor Networks*, Information Technology Journal, /DOI : 10.3923/itj.2013.2078.2089, ISSN : 1812-5638 Asian Network for Scientific Information, Vol. 12 No.11 January 2013.

- Nikitha et al., *An Analytical study of Key Pre-distribution in Wireless Sensor Networks*, International Journal & magazine of Engineering Technology Management and Research, Vol. 2, Issue 1, 2015.
- Nikitha et al., *Entropy measure integrated Fuzzy GOWA operators Approach for multi-attribute Decision making*, International Journal of Engineering Science and Technology, ISSN : 0975-5462, Vol. 4 No.01 January 2012.
- Nikitha et al., *Sensor Deployment using Particle Swarm Optimization*, International Journal of Engineering Science and Technology, pp 5395-5401, ISSN:975-5462, Vol.2(10),2010.

CONFERENCE PUBLICATIONS

- Nikitha, *RPCR: Retransmission Power-Cost Aware Routing in Mobile Adhoc Networks*, Proceedings of Ist National Conference on Emerging Trends in Data Science and Intelligent Computing NCETDSIC-2018, 24th – 26th July, 2018.
- Nikitha, *Secure and Energy Efficient shortest path routing framework in WSN*, Proceedings of the Springer, ICDMAI 2018, 19th – 21st Jan, 2018.
- Nikitha et al., *Hybrid Approach for detecting and Healing Coverage Hole in Wireless Sensor Networks*, Proceedings of the IEEE, 978-1-4799-3140-8/14, ICSPCT 2014, 12th – 13th July, 2014.
- Nikitha et al., *Sensor Deployment using improved GlowWorm Swarm Optimization*, Proceeding of the National Conference on Advances in Computing and Networking, at JNTUH College of Engineering Manthini, Karimnagar, ISBN:978 93 83038 11 4, 6th and 7th Dec, 2013.
- Nikitha et al., *OpenFlow Network Visualization Software*, Proceedings of National Conference on Wireless Communications & Sensor Networks, ISBN 978-93-5317-733-7, 2015.
- Nikitha et al., *JPEG Steganography using Genetic Algorithms*, International Conference on Trends and Advances in Computation and Engineering, TRACE2010-315.

TRAINING PROGRAMS

- Taken Computer Classes in *Principals Training Programme* MJPTBCWRS, Malakpet during 16th April, 2021-30th April, 2021.
- Organising Online Programming Quiz with *SMART HACKS 2020-21* E & ICT Academy- IIT, Kanpur on 11th Oct, 2021 for MJPTBCWRDC Computer Science Students.
- Organised NPTEL SWAYAM Online Certification on *Introduction to Programming in C* 8 week course Jul-Sep 2019 for MJPTBCWRDC Computer Students and 11 students were certified.
- Conducted Weekly Online Mock tests on *Competitive Exams Preparation* for MJPT-BCWRDC Students.

- Conducted Online *Computer Science Quiz* on 23th June, 2020 for MJPTBCWRDC Computer Science Students.
- Participated in two week online FDP on *Data Science E & ICT Academy- IIT, Kanpur* from 5th July, 2021 to 16th July, 2021.
- Participated Online training on *Excel for beginners* on May, 2020 from Great Learning.
- Participated in 9-day National level Online FDP on *Foregrounding the Spectrum of Charater Building in Modern Human Life* by Balaji Institute of Technology & Science from 25th June, 2021 to 3th July, 2021.
- Conducted Computer Science Quiz on *Programming in C* during 3rd Jan – 4th Jan, 2020 for MJPTBCWRDC Computer Science Students.
- Participated in Two Week training on *Faculty Induction Programme* held during 15th April – 27th April, 2019 at UGC- HRDC, University of Hyderabad.
- Participated in Two Week Training on *ATP and DW Works* held during 22th March–10th April, 2019 at MJPTBCWR School, Malkajgiri.
- NPTEL SWAYAM Online Certification on *Introduction to Programming in C18* week course Jul-Sep 2019
- NPTEL SWAYAM Online Certification on *Computer Networks and Internet Protocol* 12 Week course, Jul-Oct 2018
- Participated in Five Week FDP on *Foundation Program in ICT for Education* held during 27th Sep – 27th Oct, 2018 at Matrusri Engineering College, Hyderabad conducted online by IITBombay.
- Organised One Week Faculty Development Program on *Big Data Analytics* during 7th Aug – 12th Aug, 2018 at MVSR Engineering College, Hyderabad in collaboration with E & ICT, NIT Warangal.
- Participated in One Week FDP on *Artificial Intelligence and Machine Learning* held during 4th June – 8th June, 2018 at E & ICT, NIT Warangal.
- Participated in Faculty Development Programme on *Research Methodology* organized by Dept. of CSE, GITAM University, Hyderabad during 3rd and 4th October 2013.
- Participated in Faculty Development Programme on *Research Methodology* organized by Dept. of CSE, GITAM University, Hyderabad during 3rd and 4th October 2013.
- Undergone Certificate in *Computer Network Management* Training program held during 19th May 2007 to 12th June 2007 in INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR and one of the topper of certification training.
- Participated in Faculty Development Program, 17th July 2010, GITAM University, Hyderabad.
- Orientation program for teachers, 16th – 18th November 2006, GITAM, Visakhapatnam.

SEMINARS & WORKSHOPS

- Given a guest lecture in State Level Webinar on *Artificial Intelligence* during 28th June, 2021 organised by TTWRDC(W), Kothagudem.
- Given a guest lecture in State Level Webinar on *Web Development* during 24th Sep, 2021 organised by TTWRDC(W), Kothagudem.
- Organised One Day National Webinar on *Business Intelligence Technologies* on 19th June, 2021 for MJPTBCWRDC Computer Science Students.
- Organised Extension Lecture on *Cyber Security* on 17th Sep, 2019 for MJPT-BCWRDC Students.
- Participated in Three-Day IEEE Workshop on *Outcome based Technical Education Towards Achieving NBA/ABET Process* held during 7th Sep – 9th Sep, 2017 at Matrusri Engineering College, Hyderabad.
- Given a guest lecture in Andhra Pradesh Human Resource Development Institute on *Wireless Communications* on 3rd Sep, 2016 organised by Govt. of AP.
- Participated in One-Week IEEE Workshop on *Research Challenges and Issues in Big Data & Cloud Computing* held during 27th Jan – 31st Jan, 2015 at JNTU, Kakinada, UCOE Vizainagaram.
- Participated in Two-week ISTE Workshop on *Computer Programming* held during 9th June – 21st June, 2014 at GITAM University, Hyderabad.
- Participated in Two-week ISTE Workshop on *Computer Networks* held during 25th June – 8th July, 2014 at GITAM University, Hyderabad.
- Organized a Workshop on *Wireless Adhoc Networks* held during 3rd and 4th May 2013 at GITAM UNIVERSITY, Hyderabad.
- Organized a 13th IEEE International Conference on *Wireless and Optical Communications Networks WOCN-2016* during 21st and 23rd June 2016 at GITAM UNIVERSITY, Hyderabad.
- Participated in Workshop on *Wireless Adhoc Networks* held during 12th and 13th April 2013 at JNTU, Hyderabad.
- Participated in Workshop on *Cloud Computing* held during 22nd and 23rd March 2013 at GITAM University.
- Participated in Workshop on *Simulation in Wireless Networks* held during 15th and 16th April 2013 at JNTUH.
- Participated in Workshop on *Research Aspects in Network Security* held during 21st and 22nd Dec 2012 at JNTUH.
- Participated in International workshop on *Computational PDE: Modeling and Simulation* held during 3rd to 12th Jan 2011 at IITM.
- Two day Workshop on *Virtualization and Cloud Computing* at JNTU, Hyderabad, during 24th and 25th September 2010.
- Certificate of Merit for *JPEG Steganography* presentation at VASAVI College of Engineering, Hyderabad 2008.

- Participated in the seminar on *Embedded system design & Emerging Wireless Technology*, held during 24th March 2007 by ISM Bangalore.
- Participated in National Workshop on *Low power VLSI Design* during 22nd and 23rd March 2007 in Mahaveer Institute of Science and Technology.
- National Workshop on *Advances in Sensors and Applications*, 22nd and 23rd December 2006, GITAM, Visakhapatnam.
- Presented a paper on *Energy Efficient Routing in Mobile Adhoc Networks* during the i-forms program held at GITAM University.

SKILLS

<i>Languages</i>	C, C++, PYTHON, J2SE, Assembly Language
<i>Web Technologies</i>	HTML, JavaScript, CSS, Bootstrap
<i>Operating Systems</i>	WINDOWS 8,7,XP/9x,10,2000,Vista, Linux
<i>Database Concepts</i>	RDBMS,SQL,PL/SQL
<i>Tools</i>	L ^A T _E X, Tableau, NS-2, OMNET++, MATLAB, Testing Tools

STRENGTHS

- 99 percent pass percentage in result analysis of the students that I have taught with a Max CGPA:10 and AVG CGPA:8
- Ph.D Supervisor in Faculty of Informatics under Osmania University and guiding two Ph.D scholars
- Published text book on *Data Structures using C++* Archers and Elevators Publishing House, ISBN:978-93-86501-82-0, 2018
- Qualified in UGC, NET-2018.
- Qualified in Telangana State Eligibility Test, TSET-2018.
- Selected for HCL Technologies, during M.Tech. Campus placements in 2008.
- Good analytical and problem solving skills
- Good verbal and written communication skills
- Ability to work independently and within a team environment
- Judgment and decision-making skill

DECLARATION

I hereby declare that all statements made here are true to the best of my knowledge and belief.

Nikitha Kukunuru