

SOWMYA K S

Assistant Professor

Department of Information Science and Engineering,

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Teaching experience: 13

Google scholar citations: 37, h-index: 2, i10-index: 1

Selected Publications

- Detection and prevention of black hole attack in MANET using ACO
- Prevention of Black Hole Attack in Secure Routing Protocol
- Clustering Technique for load balancing in MANETs
- Routing in MANETs using ACO with mobility assistance
- Ant Based Routing Algorithm Over Clustering Technique To Provide Better Communication For Manets With Minimum Hop Count
- Path Building Algorithm to improve Quality of Service in MANET'S
- A Student Entrepreneur : Quality Parameters Revisited
- Weighted Clustering Algorithm with Ant Colony Optimization to Provide Better Quality of Service
- Effective Learning Of Computer Networks And Security Using Problem Based Approach

Coordinated

- Faculty Development Program on “Linux Programming” from 15th to 19th July 2019 held at BMS College of Engineering, Bangalore.
- Value added course on “Learning C programming from compilers perspective” for Non CSE and ISE branches from April 15th to 18th and April 23rd.
- National Level Workshop cum Championship on “Bigdata and Hadoop” on 20th and 21st February 2017 organized by Revert Technologies Pvt. Ltd., Cognizance, IIT Roorkee held at Zonal center BMS College of Engineering, Bangalore.
- National Level Workshop cum Championship on “Android Apps Development” on 27th and 28th February 2017 organized by Revert Technologies Pvt. Ltd., Cognizance, IIT Roorkee held at zonal center BMS College of Engineering, Bangalore.

Seminars/Workshops

- “Faculty Orientation Program” 26th September 2013 to 1st October 2013 at BMSCE, Bangalore.
- “Aview Workshop” 23 November 2013 at BMSCE, Bangalore.
- Blooms Taxonomy workshop on 6th June 2014 at BMSCE, Bangalore.
- Pedagogy workshop by IIT Bombay 12th June 2014 to 14th June 2014 and 24th July 2014 to 26th July, BMSCE, Bangalore.
- Faculty development Programme on Mobile Application development on 1st August 2014, BMSCE, Bangalore.
- Attended Research methodologies workshop December 2014 at VVIT Mysore
- TEQIP III sponsored one week FDP on “Linux Programming”, July 15 -19 2019, BMSCE.

Other Information:

- Appointed as an External Lab Examination/Paper setting/Evaluator for various colleges like BMSCE, RVCE, Vardhaman College of Engg, Hyderabad
- Conducted Workshop on Advance Computing as an Active member of international conference **IEEE IACC 2015** June 2015
- Conducted Workshop on Big Data Hadoop, Android Application Development in association with **Finland Labs** and **IIT Roorkee** and Won **National level championship** (March 2017)
 - 1st and 3rd Prize Big Data Hadoop
 - 2nd Prize Android Application Development
- **Consultancy Project “Bill Book Online”** in association with **Applied Inventions** July 2017
- **Center Of Excellence** on “**smart city**” projects in association with **Leanovate Solutions** Oct 2017
- Coordinated guest lecture on “ Emotional Wellbeing” by **Shravan K Yadav**, Founder of **Connecting youth on wheels** Nov 2017
- Invited as a **Chief Guest** for Republic day celebrations at **Auden Institute** Jan 2018
- Coordinated guest lecture on Smart City projects by Prof Brian Donnellan Vice President and Dean of International Affairs, Maynooth University on Feb 2018
- Delivered an Invited talk on “Computer Networks” at RVCE ON Nov 2018