

# Sindhu K.

Unity's Flora  
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## Academic Profile

- Pursuing Ph.D. at ISE Research Centre, BMSCE,VTU
- M.Tech (Computer Network Engineering), Dayanandsagar College of Engineering, VTU
- B.E. (Computer Science & Engineering), BMSECE, VTU

## Experience

Working as Assistant Professor in Information Science and Engineering Department, BMS College of Engineering [since 2008]

## Subjects Handled

- Data Structures
- Computer Organization and Architecture
- Microprocessors
- Programming with JAVA
- Object Oriented Programming with C++
- C programming
- Unix Programming
- Unix System Programming
- C# and .Net
- Mobile Application Development
- DBMS
- Social Network Analysis
- Cloud Computing
- Entrepreneurship and Management
- Storage Area Network

## Papers Published

1. Amol Srivastava, B. E. Yashaswini, Akshit Jagnani, Sindhu K, "Smart Cradle System for Child Monitoring using IoT", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-9, July 2019.
2. Sindhu K, Shubha Rao V, "Project Based Learning for a Comprehensive Course", International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P-ISSN 2349-5138, Volume.6, Issue 1, Page No pp.961-964, January 2019, <http://doi.org/10.1729/Journal.19524>
3. Sindhu K, H.S. Guruprasad "An Experimental Analysis on Performance and Energy Saving in MCC", International Journal of Information Technology and Computer Science, Sep 2017, 45-52, DOI: 10.5815/ijitcs.2017.09.04

4. Sindhu K, H.S. Guruprasad "A Performance Analysis on Cloud based Mobile Augmentation in Mobile Cloud Computing", Int. Conference on Signal, Image Processing, Communication and Automation, 06-07 July 2017.
5. Meghana B Joshi, Sindhu K, Soundarya J "Design, Analysis and Implementation of an Instantaneous Feedback System", International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.86, December 2015.
6. Sindhu K, Nandini C, "Gait Authentication based on fusion of wavelet and Hough transform", International Journal of Engineering and Technology Volume 2 No.3, March 2012, ISSN 2049-3444.
7. Sindhu K, Nandini C, Ravi Kumar CN, "Gait Recognition by combining Wavelets and Geometrical Features", IEEE, 2nd International Conference on Intelligent Agent and Multi Agent System, REC, Chennai, India, September 2011.
8. Sindhu K, Shubha Rao V, "Revised Bloom's Taxonomy for Assessment in Engineering Education", ICTIEE, Feb 5-8 2015. Poster Presentation.

### **Seminars/Workshops/Conferences Attended and Certified MOOC courses**

1. International Conference on "Convergence of Science and Engineering in Education and Research A Global Perspective in the New Millennium", DSI, Bangalore, April 21-23, 2010
2. Workshop mission 10X conducted at BNMIT, Bangalore, July 19-23, 2010
3. International Conference on "Frontiers in Carcinogenesis and cancer prevention, DSI Bangalore, February 16-18, 2011
4. Workshop on "Mobile Application Development", Cambridge Institute of Technology, Feb 21-22, 2011
5. International Conference on "Intelligent Agent and Multi-Agent Systems", Rajalakshmi Institute of Technology, Chennai, September 7-9, 2011
6. Accenture Sponsored SAP TechEd in October'2011
7. Workshop on "Cloud Computing", Dept of ISE, BMSCE, December 12, 2011
8. ISTE sponsored one-week training program on Brain and Cognition: Neuroscience signal and image analysis, Dept. of Medical Electronics, BMSCE, January 7-12,
9. TEQIP sponsored Workshop on "Emerging Trends in Image and Video Processing", Dept. of Computer Science and Engineering, NMIT, Bangalore, January 12-25, 2013
10. TEQIP – II sponsored Faculty Development Program on "Advanced Digital Communication Concepts", Dept. of Telecom, BMSCE, January 28 – February 2, 2012
11. Faculty Development Program on "Cloud Computing", conducted by TCS at Dept of ISE, BMSCE, March 7<sup>th</sup>, 2013
12. National workshop on "How to use A-View", conducted at BMSCE by National Mission on Education through ICT, MHRD on November 23rd, 2013.
13. TEQIP - II sponsored workshop on "Cloud Computing and Aneka Platform" organized by SPFU Karnataka and PESIT on OCT 11th, 2013.

14. FDP on “Academic Interface Program” conducted by TCS at TCS on 13-14 March 2014.
15. Workshop on “Cyber Security”, sponsored by MHRD, conducted by IITB from 10 July 2014 to 20 July 2014
16. FDP on Mobile Application Development conducted by Dept. of ISE, BMSCE on August 1st, 2014.
17. Attended 4-week course MOOC on MOOC offered by IIT Kanpur from September 5 2014- Oct 12 2014.
18. Attended 8-week course MOOC on Cloud Computing offered by TEQIP, IIT Kanpur and IIT Ropar Part-1 from 25th Aug - 25th Sept 2014, Part-2 from 15th Oct - 15th Nov 2014.
19. Three-day workshop on “Research Methodologies and Latex’ organized by VTU E-Learning Centre, Mysore from 21st-23rd May 2015 at VTU RO, Bangalore.
20. Attended “Ph.D colloquim” workshop on 12th and 13th June 2015, IACC, BMSCE.
21. Attended workshop on “Research Quality through Quality Publications: why? How? When?” on 30th Oct 2015 and 18th Nov 2015, BMSCE.
22. Cloud Computing: OpenStack Implementation for setting up Private Cloud, 23rd – 25th June 2016 - at Centre for Development of Advanced Computing, Knowledge Park, Bangalore.
23. Workshop on Internet of Things: Sensors to Cloud Analytics, 18th July - 23rd July 2016, RVCE, Bangalore.
24. Workshop on access to e-resources for teaching and research on 4th and 5th May 2017, BMSCE
25. International Conference on Signal, Image Processing, Communication and Automation (ICSIPCA 2017), JSSATE, Bangalore on 6<sup>th</sup> and 7<sup>th</sup> July 2017.
26. International Conference on MOOCS, Innovation and Technology in Education (MITE 2017), BMSCE 27<sup>th</sup> and 28<sup>th</sup> October 2017.
27. FDP on “Data Science and Communication Network”, 02/01/2018 to 06/01/2018, BMSCE
28. Workshop on Machine learning with Python, Dept of ISE, BMSCE, 10-14 June 2019.
29. One Week FDP on "Practical Approaches for Engineering Courses towards Industry Perspective", Dept. of ISE, BMSCE, July 22<sup>nd</sup> to 26<sup>th</sup>, 2019.
30. FDP on Introduction to Internet of Things, July – Oct 2018 (12 Weeks MOOC) NPTEL (Top Topper 5%) IIT Kharagpur.
31. FDP on Joy of Computing, Jan – Apr 2019 (12 weeks MOOC) NPTEL, IIT Madras, (1 ½ week)

## **Organized Extension Lecture / FDP / Workshop**

1. Arranged a Faculty Development Programme on “Cloud Computing” by Dr. N.M. Bhatta, TCS Technologies on 08th March 2013.
2. Arranged an Extension Lecture on “Role of Creativity & Innovation in Technology Industry” by Dr. N.M. Bhatta, TCS Technologies On 08th March 2013.
3. Extension lecture arranged on "Virtualization Techniques in Cloud Computing" by Naveen Yashodara, Senior Software Engineer, Novell, 18/10/2014 8.00 to 10.00 am.
4. Extension lecture arranged on "App Development on Google Cloud Platform" by Mr. Shashidhar Gurumurthy, Technical Solutions Architect, Salesforce.com on 28th Feb 2015.
5. Organized a workshop on "College to Corporate" on April 11th 2015 9.00 to 6.00 PM, Mr. Kalyan Sish, FROH Tech Services, Bangalore
6. Organized a seminar on Overseas Education on 25th Aug 2015 by Mrs. Minakshi Patar, Counselor from N & N Chopra Consultants Private Limited.
7. Extension Lecture on “Advance Unix System Programming” on March 27/03/2107 b Nikhil AP, Arkeya Solutions, Bangalore
8. Extension Lecture on “Social Network Analysis” on April 02, 2019 by Dr. Ramasuri Narayanam, Senior Research Scientist, IBM Research
9. Coordinated One Week FDP on "Practical Approaches for Engineering Courses towards Industry Perspective” from July 22nd to 26th, 2019 under TEQIP-III organized by Department of Information Science & Engineering in association with Department of ECE, BMSCE and Department of CS & IT, MJPRU, Bareilly

**Sindhu K.**