



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by : SKPVV Hindu High Schools Committee, Estd : 1906

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KATTUPALLI SUDHAKAR



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Experience:

Teaching: 11

Industry: 5

Career Profile

Year	Organization	Role
6 th April 2011 – Till Date	PSCMR College of Engineering & Technology	Associate Professor, College Website In Charge
4 th April 2006 – 10 th Feb 2011	Pinnacle Arborpro Pvt Ltd, Cambooya, Australia	GIS Data Administrator
30 th May 2003 – 6 th March 2006	SIR CRR Engineering College, Eluru	Assistant Professor

Qualification

Degree and Date	Board / University	Date of Completion
MPIT	USQ, Australia	April 2009
M.Tech	Andhra University	April 2003
B.Tech	JNTU Hyderabad	April 2001

The subjects handled:

Year	Subjects	College
2018-19	Hadoop and Big Data IV-I Cloud Computing IV-II	PSCMR College of Engineering and Technology
2017-18	Hadoop and Big Data IV-I Distributed Systems IV-II	PSCMR College of Engineering and Technology
2016-17	Web Technologies	PSCMR College of Engineering and Technology
2015-16	Cryptography & Network Security Cloud Computing	PSCMR College of Engineering and Technology
2014-15	Advanced Data Structures, Lab	PSCMR College of Engineering and Technology
2013-14	Computer Organization Cryptography & Network Security	PSCMR College of Engineering and Technology
2012-13	Object Oriented Programming Using UML, Lab	PSCMR College of Engineering and Technology
2011-12	Network Programming using C/ Unix	PSCMR College of Engineering and Technology

	NP Lab	
2005-06	Design and Analysis of Algorithms System & Network Administration in Unix & Windows	SIR CRR Engineering College
2004-05	Data Processing & File Organization, COBOL Lab Language Processors	SIR CRR Engineering College
2003-04	File Structures Using C++ Network Programming Lab	SIR CRR Engineering College

Courses & Certifications

1. A Comparison of AC and DC Power Distribution in the Data Centre by Schneider Electric Energy University 19th January 2018
2. Authentication and Authorization with AWS Identity and Access 19th January 2018
3. AWS Cloud Practitioner Essentials Cloud Concepts 19th January 2018
4. Certificate of Completion of CPP Training by IIT Bombay Spoken Tutorial 11th April 2017
5. Defensive Programming in Java: Data Security and Access Control - sd_sprj_a03_it_enus from ACM 15th August 2017
6. Certificate for Completion of Latex Training by IIT Bombay Spoken Tutorial 17th June 2016
7. v2_5gstandards_ieee by IEEE Educational Activities 14th December 2016
8. Don't get caught in the Storm! Learn how Utilities are Improving Storm by IEEE Educational Activities 15th September 2015
9. Fast, On-Demand Jig & Fixture Production with Poly Jet by IEEE Educational Activities 28th May 2015
10. Silicon Expert Counterfeit Electronic Component Detection & Avoidance by IEEE Educational Activities 10th July 2016
11. Tech Insider A New Method for Accurate OTA Production Testing of Wireless by IEEE Educational Activities 2nd June 2015
12. Tech Insider Accelerating the Simulation-led Design Workflow by IEEE Educational Activities 13th August 2015
13. Top-ranking Online Master's in Engineering Degrees Designed for Working by IEEE Educational Activities 20th August 2015
14. Tech Insider 3D Printing for Machine Design by IEEE Educational Activities 6th November 2014
15. Eliminate Pitfalls of DDR Memory Testing by IEEE Educational Activities 12th November 2014

Affiliation to Professional Bodies

1. [ASEE Member Since 2018: 110406](#)
2. ISSE LIFE Member Since 2016: LM03512
3. SDIWC Member Since 2016: 21245
4. Internet Society Member Since (ISOC) July 2016 : 139176
5. IAENG Member Since 2015: 160315
6. ISACA Member Since 2013 : 746332
7. CSI LIFE Member Since 2011: LM01150995
8. ACM Member Since 2008 : 0398659 /9154732
9. ACS Member Since 2006 : 3052307
10. BCS Member Since 2006: 990154060
11. [IEEE Member Since 2004 : 80018694](#)

Publications:

1. An "Estimation of erosion and deposition of Krishna river bank using remote sensing & GIS" by Mr.K.Sudhakar, Associate Professor of CSE, Mr.M.Sudhakar, Assistant Professor of Civil, PSCMR College of Engineering & Technology, at WCMRI (World Conference on Multi disciplinary Research & Innovation 2018) Conference Dubai during 29-30 December 2018. 01.1617/vol5iss12pid1061
2. "An Effective Security Verification Model for Big Data by using potent key length for real time systems" by Mr.J.S.V.G.Krishna, Associate Professor, Department of CSE, Sir CRR College of Engineering, India Dr. M.Venkateswara Rao, Department of IT, GITAM University, India Mr.Kattupalli Sudhakar, Associate Professor of CSE, PSCMR College of Engineering & Technology, India. At WCMRI (World Conference on Multi disciplinary Research & Innovation 2018) Conference Dubai during 29-30 December 2018. 01.1617/vol5iss12pid1059
3. An Accident / Incident Reporting Device using IoT K.Sudhakar, K.Sunayana, G.Sravya, K.Priyanka at International Conference on Contemporary Engineering & Technology - ICCET2018
4. PSCMR Polytechnic Website using Open Source Wordpress Tool K.Sudhakar, T.N.V.D.C Bidisha, Md.Nawaz, Sk.Reshma International Conference on Contemporary Engineering & Technology-ICCET-2018
5. An Analysis to Improve branch prediction accuracy by using Neural Branch Prediction K.Sudhakar, Dr.P.Subba Rao at Third National Conference on Recent Advances in Computer Science 2018
6. The Impact of Connected Things with Intelligent Management Platform- An IoT Solution SBRP K.Sudhakar International Conference on Contemporary Engineering&Technology 2017
7. An Android Application for Online Library Management System K Sudhakar International Journal of Computer Science & Mechatronics(IJCSM.IN) 3 (1) 2017
8. Empowering of Internet of Things to Solve the Customer Engagement Paradox by K.Sudhakar in International Journal of Scientific & Engineering Research, Volume 7, Issue 7, July-2016 20ISSN 2229-5518
9. IoT Routing classification and protocols with Autonomous Systems of Things K.Sudhakar, S.Rajendra Babu, B.SarathChandra First National Conference on Recent Trends in Advanced Computing 1 (Special 2016)
10. Best Practices in Vulnerability Management: "The EiQ Networks' SOCVue Vulnerability, Management" Administration Perspective VPG K.Sudhakar, G.Rambabu International Journal of Research Computer Science &Engineering 1 (Special2016)
11. Refining Access Points and Web browsers KS Mr.Vamsi Krishna International Journal of Computer Science & Mechatronics(Online-ISSN:2455)2015
12. Synthesizing Digital-to-Analog Converters and Internet QoS Using Hipe KS G.Madhusudana Rao International Journal of Computer Science & Mechatronics(Online:ISSN:2455)2015
13. Decoupling & Journaling File Systems from Consistent Hashing in SMPs KR K.Sudhakar International Journal of Computer Science & Mechatronics 1 (1)2015
14. A case study on high performance, seamless scale for mercadolibre's openstack private cloud for scale-out, performance and inline efficiency K.Sudhakar, S.Krishna Kishore International Journal of Engineering Research-Online (ISSN: 2321-7758)3(4)- 2015
15. Hadoop- a modern data architecture for accelerating earnings growth in banking and insurance KS VSRK.Prasad.G at International Journal of Engineering Research-Online (ISSN: 2321-7758)
16. The impact of api-change in android applications and its implications in user ratings K.Sudhakar, B.SarathChandra at International Journal of Engineering Research-Online(ISSN: 2321-7758)
17. Enhancement of cost savings using virtualization in it industry is a bench mark for cloud technology SKK K.Sudhakar International Journal of Engineering Research-Online 3(4), 261-263/ 2015

18. Emerging issues in corporate governance: an international review by considering the financial markets, regulatory environment and it UC K.Sudhakar International journal of business, management and allied sciences (IJBMAS.IN)2015
19. Scale-Out Cyber security Investigation Based On Moderate, Industry-Standard Framework K.Sudhakar, B.Hanumantha Rao, International Journal of Advances in Arts, Sciences and Engineering 3 (7), 31-34 2015

Conferences, Seminars, Workshops & Guest Lectures Attended

Conferences:

1. International Conference on Recent Advance in Engineering and Technology- ICRAET2018 at Visakhapatnam on 24th June 2018
2. II -International Conference on Contemporary Engineering & Technology – ICCET 2018 during 2-3rd April 2018 at PSCMR College of Engineering & Technology, Vijayawada-1.AP.INDIA.
3. International Conference on Contemporary Engineering & Technology – ICCET 2018 during 31-1st April 2017 at PSCMR College of Engineering & Technology, Vijayawada-1.AP.INDIA
4. 3rd National Conference on Recent Advances in Computer Science and Engineering, 27th – 28th January 2018, Guntur, Andhra Pradesh, India
5. 16th ESRI INDIA User Conference 2015 during 3-4th December 2015, New Delhi
6. HR Conclave at Hotel Rain tree, Annasalai, Chennai on 5th October 2013 by VOLTECH HR Services
7. As a Guest at Startup Stack 2016 Saturday, 19th Mar 2016 | 08:00 AM to 06:00 PM IST Hailand Resorts, Vijayawada ,Chinakakani, Chinakakani, Andhra Pradesh, India
8. IBM Career Education Conclave at Gateway Hotel, Vijayawada on 9th August 2011
9. First National Conference on 30th April 2016 on “Recent Trends in Advanced Computing 2016” at Andhra Loyola Institute of Engineering and Technology, Vijayawada, Andhra Pradesh.
10. Computer Society of India 50th Golden Jubilee Annual Convention Conference with the theme of “Digital Life” held during 02-05th December 2015 at New Delhi.

Seminars:

1. One day Seminar on "Digital Transformation Journey in Education" by AWS with NECx at Fortune Murali Park on 05.12.2018
2. A Two day seminar on Broadcast in IP World by Broadcast Engineers society Hyderabad Chapter from 3-4 November 2018
3. One Day Seminar on Digital Twins by Efftronics MD on 15th October 2018
4. A Seminar on Engineering Education & Research from National Instruments at Fortune Murali Park, Vijayawada on 29th June 2018
5. A Seminar on " Smart Factory Reference Architecture" in Association with IEEE Vizag Bay Subsection; by Sri Gopi Kumar Bulusu, CEO of SANKHYA.COM on 19th June 2018
6. Major Shift of IT in 21st Century by N.Krishna Rao, Director, Business Development at S-Square Systems Inc., Greater San Diego, USA on 10th March 2018
7. An Interactive Session on “Research in the Emerging Trends in the areas of Computer Science and Engineering” by Mr.Rajesh Varma from Infosys, Hyderabad on 27th January 2018
8. A Seminar on “ICT Project Management Skills for Digital India” by the Director NIC Dr.V.Siva Rama Krishnaiah on 18-08-2015
9. Recent Techniques in Computational Engineering with hands on session by Dr.V.Hari Kumar NIT Warangal on 7th July 2017.
10. One Day Seminar on “Industry Institute Interaction – A grand Quarterly
11. Young IT in Pub by Australian Computer Society at University of Southern Queensland, Toowoomba Campus on 1st August 2008

Guest Lectures:

1. A Guest Lecture on " Internet of Things" by Sri Jayaprakash Arjarapu, Senior Principal IT Support Engineer at Oracle India Pvt.,Ltd., on 30th June 2018 organized by the Department of Training & Placements at PSCMR College of Engineering and Technology, Vijayawada-1.AP.INDIA

Workshops Attended

1. A 5 Day Workshop on "Build Your Own IoT Project- BYOP" at PSCMR College of Engineering & Technology from 23-27 October 2018
2. A 2 Day IEEE Workshop on Arduino & Its Applications by Dr S Lakshmi Narayana, Mr. P Hariom from 31st August to 1st September 2018.
3. A Five day Faculty Development Program on "Instructional Design Delivery" A teaching methodology practice by Dr.B.G.Barki Ex Director NITTR, Chennai at PottiSriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology, Vijayawada-1.AP.INDIA during 4-8th June 2018. Organized by Department of Mechanical Engineering.
4. Advances in Video Processing and Applications at BITS Pilani in association with PHOENIX association & IEEE Student Branch
5. One Day Workshop on Block Chain Technology on 15-7-2017 at PSCMRCET- to Gain a deeper understanding of the basic concepts underlying the technology.
6. Two Day Workshop on Learning Management Systems and Ed-Tech Tools (WLMSET-2017) from 22-12-2017 to 23-12-2017 at JNTU KAKINADA- The main objective of this workshop is to provide the faculty members to have hands on experience in advanced applications in the teaching-learning management using the information and communication technologies that are being used by everybody.
7. One Day Workshop on Empowering Teaching Excellence through E-Learning Platforms on 8th July 2017 at JNTU Kakinada- In order to get different E-learning tools and exposure in E-learning/MOOCs.
8. Three Day Residential Training Programme on "Municipal Waste Management" from 6-8th April 2017 at APHRDI, Bapatla by APHRDI.
9. Five Day Workshop on Magical Teacher from 9-11-2016 to 13-11-2016 at PSCMRCET- To improve the quality of teaching approach and to make it more attractive.
10. Five Day Workshop Data Structures and Algorithms in C/C++ from 09-06-2014 to 14-06-2014 at PSCMRCET- To improve the quality of teaching approach and to make it more attractive.
11. Cyber Physical Systems Applications and Open Challenges- CPS Workshop at IIT Hyderabad during 22-23 March 2013

Events organized/ conducted:

Resource Person:

1. Gave a guest lecture on " How IoT Transforming the Work Place" as part of the three Day Residential Training Programme on " Internet of Things" in association with Acharya Nagarjuna University, Nambur during 12-14 December, 2016.
2. Guest Lecture on "Chaotic Cryptography" as part of the three Day Residential Training on "Cryptography and Network Security" on 7th November 2017 at APHRDI, Bapatla.

Events Organized:

1. GIS Day Celebrations by ESRI India on 14th November 2018
2. New India Student Championship 2018- India's Largest Learnathon by TRAILHEAD, ICT ACADEMY. I have won the Coordinator Award along with my Organization "Excellent Contributor Award" for PSCMR College of Engineering & Technology on 3rd February 2018 for this 24x7 event.
3. Start-up evening by Entrepreneurship cell at PSCMRCET as CTO of E-Cell on 26th March 2016 at PSCMRCET
4. A Five Day Residential Training from 18-23rd July 2016 on "Graphics Designing using Adobe Photoshop" by Mr.D.Raghavendra, Vikalpa Studios.
5. CCNA-Routing and Switching at KBN College, Vijayawada during 11-12th July 2016 by NLTC & Phonixsys Hyderabad
6. One Day Workshop on Arc GIS Web Maps by ESRI on GIS Day on 14th November 2016
7. AP Cloud Workshop by Miracle Software Systems on 29th November 2016
8. Coordinator of Jignasa 2016,14,13,12,11, A National Level Technical Symposium at PSCMRCET

Funding Projects Handled (If any – Please provide the details of the project)

1. SERB Project Acceptance for further process worth 50,00,000 Towards the project entitled " The Flood risk mapping using LIDAR Data to calibrate sediment transport in Godavari River in India With the Help of ArcGIS"

(KATTUPALLI SUDHAKAR)