

KESHAV MEMORIAL INSTITUTE OF TECHNOLOGY

Narayanaguda,Hyderbad-500029

FACULTY PROFILE



1. NAME : **CHIVUKULA SREE RAMA PRABHU (C.S.R. PRABHU)**
2. JNTUH REGISTRATION ID : 0329-150409-130505
3. DATE OF BIRTH : 24.5.1954
4. DESIGNATION : Director, Research
5. YEARS OF EXPERIENCE : 42
6. UG DEGREE : B.Tech (ECE) JNTU, Hyderabad 1976
7. PG DEGREE : M.Tech (EE-CS) IIT, Bombay 1978
8. Ph.D (AREA OF THE PH.D WORK):
9. SUBJECTS TAUGHT :
 - Semantic Web
 - Cloud Computing
 - Predictive Analytics

10. PAPER PUBLICATIONS IN INTERNATIONAL JOURNALS:

1. C.S.R. Prabhu, Tony Jan, Mukesh Prasad, Varadarajan Vijay Kumar, "Fog Analytics - A Survey", Malaysian Journal of Computer Science. Big Data and Cloud Computing Challenges Special Issue 1, 2020.
2. D. Baburao, T. Pavankumar, and **CSR Prabhu**, "Live Service Migration using Containers in Fog Computing Environment", GIS SCIENCE JOURNAL, Vol. 7, Issue-10, 2020, Pages 1056 - 1065, DOI: 20.18001.GSJ.2020.V7I10.20.35892.
3. D. Baburao, T. Pavan kumar, and **CSR Prabhu**, "Live Resource Estimation, Optimization and Allocation in the Fog Computing Environment for Migrated Container Services," Journal of advanced research in dynamical & control systems, vol. 12, Issue-02, 2020, DOI: 10.5373/JARDCS/V12I2/S20201213.
4. C.S.R. Prabhu, "Overview – Fog Computing and Internet of Things", Research Article in EAI (European Alliance for Innovation) Endorsed Transactions on Cloud Systems, December, 2017.

5. Sree Rama Prabhu Chivukula, Rajasekhar Krovvidi and Aneesh SriVallabh Chivukula, "Eucalyptus Cloud to remotely provision e-governance applications", Journal of Computer Systems, Networks and Communications, 2011
6. Prabhu CSR & Reddy Bhaskara: "Object Knowledge Model (OKM), an Ontological Language with features of Natural Language Semantics for interoperability of Information Systems on the Semantic Web", Page Nos. 32-35, International Journal of Systemics, Cybernetics & Informatics, July, 2010. IFSN 0973-4864.
7. Prabhu CSR & Reddy Bhaskara: Extending a semantic e-governance grid with OKM, a frame based knowledge representation framework for enabling semantic/ - knowledge search on the contents of the web pages", Page Nos. 39-46, International Journal of Systemics, Cybernetics & Informatics, July, 2010. IFSN 0973-4864.
8. Prabhu C.S.R. "Towards an e-governance grid of India", 2008: "E-Government development and diffusion", Information Science Reference, Sahu, Dwivedi and Veerakkodi, (editors), IGI Global, UK and USA, 2009. ISBN 978-160366713-3.

11. PAPER PUBLICATIONS IN INTERNATIONAL CONFERENCES:

S. No.	Title with Page Nos.	Details of Conference Publication	ISSN/ISBN No.
1	Survey on Service Migration, load optimization and Load Balancing in Fog Computing Environment	5th International Conference for Convergence in Technology (I2CT) Pune, India. Mar 29-31, 2019	DOI: 10.1109/I2CT45611.2019.9033579
2	A Survey of IOT Layered Security Protocol	IEEE International Conference on Computational Intelligence and Computing Research, Coimbatore, India, 12 to 16 December 2017.	
3	A Conceptual Fog based Architecture for monitoring and Acceleration of Bone Fracture Healing",	Proceedings of International Conference on Fog Computing and Internet of Things ICFCIoT 2017, Hyderabad, 21 & 22 December, 2017.	
4	Smart Village	International Conference on Content Research in Emerging Trends of Engineering Technology and Management, 17,18 Jan 2016	
5	A Methodology for High Availability of Data for Business Continuity Planning/ Disaster Recovery in a Grid using Replication in a Distributed Database	IEEE TENCON, 2008, Hyderabad, India.	

6	e-Governance Grid of India”, International Symposium on Grid Computing (ISGC), 2008, Academia Sinica, Taipei, Taiwan	International Symposium on Grid Computing (ISGC), 2008, Academia Sinica, Taipei, Taiwan	
7	Object Knowledge Model (OKM), an Ontological Language with features of Natural Language Semantics for interoperability of Information Systems on the Semantic Web, Hyderabad, India – 27-30 January, 2010, pp 166-169.	Proceedings of International Conference on Systemics, Cybernetics and Informatics (ICSCI), 2010	
8	Object Knowledge Model (OKM) for Semantic Description of Web Services in a Semantic e-Governance Grid, pp200-202.	Proceedings of International Conference on Systemics, Cybernetics and Informatics (ICSCI), 2010, Hyderabad, India, 27-30 January, 2010	
9	Extending a semantic e-governance grid with OKM, a frame based knowledge representation framework for enabling semantic/ - knowledge search on the contents of the web pages : (ICSCI), 2010, Hyderabad, India – 27-30 January, 2010, pp 184-191.	Proceedings of International Conference on Systemics, Cybernetics and Informatics (ICSCI)	
10	Extending a semantic e-governance grid with OKM, a frame based knowledge representation framework for enabling semantic knowledge search on the contents of the web pages	7 th International Conference on E-Government (ICEG-2010), 22-24 April, 2010, Bangalore, India. Paper No. 6.	
11	Towards an Open Source Private E-Grid Cloud Environment for Remote Rural Users in India	7 th International Conference on E-Government (ICEG-2010), 22-24 April, 2010, Bangalore, India. Paper No. 8	
12	Eucalyptus Cloud to remotely provision e-governance applications	Conference on Information, Science, Technology and Management (CISTM), 9-11 August, 2010, Teralahiti, Finland	
13	Eucalyptus Cloud to remotely provision e-governance applications”,	1st International Conference on Services in Emerging Markets, ICSEM 2010, 23-24 September, 2010, Indian School of Business (ISB), Hyderabad, India	
14	Eucalyptus Cloud to remotely provision e-governance applications	I-CARE 2010, 22 October, 2010, IBM Bangalore, India	

12. PAPER PUBLICATIONS IN NATIONAL CONFERENCES:

S. No.	Title with Page Nos.	Details of Conference Publication	ISSN/ISBN No.
1	GEDS-Generalized Expert Database System Shell	International Conference on Information Systems and Management of Data (CISMOD), July, 1992, Bangalore, India.	
2	Collectorate 2000	National Conference on E-Governance, editor R.K. Bagga (ASCI), Hyderabad, 2002.	

13. RESEARCH PROJECTS UNDERTAKEN WITH NAME OF THE SPONSORING AGENCY:

1. Designed and implemented GISTNIC (General Information Service Terminal National Informatic Centre) Project for dissemination of information in 20 subject areas to general public through kiosks before the advent of Internet.
2. Operationalized NIC DR (Disaster Recovery) Centre and established National Data Centre (NDC)
3. Conceived, developed, implemented and operationalized successfully e-Panchayat Project in 475 Panchayats in Andhra Pradesh.
4. Conceived m-gram bazaar – a mobile e-governance application for economic transformation of rural areas.
5. NOFN (National Optic Fiber Network) Applications Pilot Implementation and NII (National Information Infrastructure) 2.0 contributed to the Report.
6. Authored the Innovation Policy Document of Department of Electronics and Information technology, Government of India.
7. As Vice Chairman of Cloud Computing Innovation Council of India (CCICI) co-authored the white paper on “Cloud Computing Innovations”

14. RESEARCH GUIDANCE:

CO-Guiding successfully one PhD candidate

15. CONTRIBUTIONS AT THE DEPARTMENTAL LEVEL:

I initiated Google Summer of Code (GSOC) for CSE Dept during 2014-15 and I was appointed HOD of CSE Dept of KMIT during 2015-2017

16. CONTRIBUTIONS AT THE COLLEGE LEVEL

1. Organized successfully first ever International Conference of Fog Computing and Internet of Things in Dec 2017 at KMIT.
2. Represented KMIT at Virtusa at Chennai for Award receiving for KMIT.

17. REFRESHER COURSES / WORKSHOPS / CONFERENCES ATTENDED:

	Attended:			
	Name of the Course / Summer School	Place	Duration	Sponsoring Agency
1				

18. WORKSHOPS/ CONFERENCES/SEMINARS/FDP's ORGANIZED:

WORKSHOPS / CONFERENCES / SEMINARS / FDP	Place	Duration	Sponsoring Agency
Chairman, Programme Committee and Editor of Proceedings of the 9 th International Conference on Management of Data (COMAD 98)	Hyderabad.		
Chairman of National Conference on Data Warehousing , Chennai, 1999	Chennai		
Chairman and Editor of Proceedings of National Conference on Mobile Computing (2002)			
Programme Committee Member of IEEE International Conference on Data Engineering (2004)			
Chairman of Asia IT Ministers Summit 2004			
Chairman and Chief Editor of Proceedings of 1 st International Conference on Fog Computing and Internet of Things	Hyderabad	Dec 21-22, 2017	KMIT

19. MEMBERSHIP OF PROFESSIONAL BODIES: Life Member of CSI

20. ANY OTHER CONTRIBUTION:

Awards:

- (1) "Oracle e-Governance Excellence Award", 2006 for "Innovation with IT" and "e-Panchayat".
- (2) "Skoch Challenger Award", 2006 for "e-Panchayat" and "Rural e-Seva".
- (3) "Rashtriya Gaurav Award", 2009 for Lifetime Achievement.
- (4) Selected for "International Gold Star Award", 2009.
- (5) CIO100 Award (2010).
- (6) M anthan Finalist Award, 2010

Books Published

- 1) Semantic Databases Systems: A Functional Introduction (Universities Press, 1992)
 - 2) Object Oriented Database Systems : Approaches and Architectures (Prentice Hall India, 1998) (3rd Edition, 2010)
 - 3) Proceedings of the 9th International Conference on Management of Data (COMAD), 1998(Ed). Tata McGraw Hill, 1998
 - 4) Data warehousing Concepts, Methodologies, Products and Applications' (Prentice Hall India, 2000) (3rd Edition, 2009)
 - 5) Mobile Computing (Universities Press, 2000)
 - 6) Bluetooth Technology and its applications with Java & J2ME (Prentice Hall India, 2005)
 - 7) E-Governance – Concepts and Case Studies (Prentice Hall India, 2005) (2nd Edition, 2009)
 - 8) Grid and Cluster Computing (Prentice Hall India, 2008)
 - 9) Knowledge Management (Gyan Publishing House, 2014)
 - 10) Fog Computing and Internet of Things, B.S. Publishers, 2017.
 - 11) Fog Computing, Deep Learning and Big Data Analytics-Research Directions, Springer 2019.
 - 12) Big Data Analytics - Systems, Algorithms and Applications, Published by Springer 2019.
-