Dr.K.V. SUBBA REDDY INSTITUTE OF TECHNOLOGY

Dupadu Village, NH-44, Lakshmipuram (Post), Kurnool, AP-518218.
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapuramu, ISO 9001:2008 Certified Institution)
www.drkvsrit.in

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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FACULTY PROFILE

Faculty Name: Dr. Dhanaraj Cheelu

Faculty Photo:

Faculty Description:

Dr. Dhanaraj Cheelu received his Ph.D. in Heterogeneous Wireless Networks from VIT, Vellore, Tamil Nadu, in year 2014; M.Tech. in Computer Science and Engineering from National Institute of Technology, Calicut, Kerala, in the year 2003 and B.Tech. in Computer Science and Engineering from SRKREC, Andhra University, Andhra Pradesh, in the year 2000. He has eleven years of teaching and four years of software industry experience. He teaches Computational Computer Science, Software Engineering and Computer Networks. He believes in seeking and realizing truth in day to day activities. He encourages students to earn knowledge of both technical and non-technical fields making the most of life's gifts.

Profile Tab:

Qualification

Qualification	Institution	Year
B.Tech(CSE)	SRKREC, Andhra University, Vizag, Andhra Pradesh.	2000

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Qualification	Institution	Year
M.Tech(CSE)	NIT Calicut, Kerala	2003
Ph.D.	VIT Vellore, Tamil Nadu	2014

Experience

Designation	Institution	From	To
Professor	DRKVSRIT, Kurnool	31.12.2017	Till Date
Associate Professor	GPCET, Kurnool	04.07.2011	29.12.2017
Sr. Asst. Professor	VIT Vellore	11.06. 2009	17.05.2011
Senior Software Developer	Aditi Technologies	03.03.2008	25.05.2009
Software Developer	Tavant Technologies Pvt. Ltd.	25.05.2005	28.02.2008
Assistant Professor	NIT Calicut	09.04.2003	19.12.2003

Awards / Achievement
- ✓ *A **JNTUA RATIFIED** faculty.*
- ✓ *Received best researcher award from GPCET for the year 2016*

Responsibilities Tab:

Responsibilities
- ✓ Working as a Principal
  The following responsibilities are carried as a principal
    - o Looks after all the Administrative and Academic activities falling in line with the AICTE, JNTUA University and the Government of Andhra Pradesh norms, in all aspects.
    - o Conducts all the UG, PG programmes according to the affiliating university guidelines and is not supposed to conduct any programmes apart from the programmes affiliated by the University.
    - o Appoints Faculty Members according to the norms of the AICTE and affiliating university.
    - o Acts as Chief Warden for Gents and Ladies Hostels.

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- o Monitors admission, conducts regular class works, to organize placement activities in coordination with Training and Placement Officer, creates an environment for industry institute interaction, coordinates R&D activities, coordinates staff and external organization for R&D and consultancy in coordination with R&D Head, and maintains discipline among students and staff.
- o Monitors smooth conduct of Quality Management System in accordance with NBA and NAAC.

✓ Working as a faculty
  The following responsibilities are carried out as a faculty
  - o Teaching regular Course Work
  - o Mentoring the Students
  - o Guiding the Junior Faculty
  - o Continues research

Teaching Tab:

Expertise / List of subjects handled

➢ Software Engineering
➢ Computer Networks
➢ Object Oriented Analysis and Design
➢ Design and Analysis of Algorithms
➢ Database Management Systems
➢ Theory of Computation
➢ Computer Programming and Data Structures
➢ Computer Graphics
➢ Discrete Mathematical Structures
➢ Formal Languages and Automata Theory
➢ Operating Systems

Research Tab:

Research Interest
➢ Computer Networks
➢ Mobile Networks

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Publications Tab:

Text Book Authored:

Title: Vertical Handoff Strategy – A User Centric Perspective
ISBN-13:978-3-659-87806-0, ISBN-10:3659878065
Publishers: Lambfort Publishers, Germany

Book Chapters:

Chapter Title: *Necessity of Key Aggregate Cryptosystem for Data Sharing in Cloud Computing.*
Book Title:*Emerging Technologies and Applications for Cloud-Based Gaming*
ISBN: 9781522505471

Patent:

Temp Number: TEMP/E-1/24959/2016-CHE
Invention: DEVELOPMENT OF ENVIRONMENTAL AIR POLLUTION MONITORING SYSTEM USING ANDROID

Conferences

1. IRF International Conference, A Comparative Study of User Centric Vertical Handoff Decision Strategies, Cheenai 2014, April, ISBN: 978-93-84209-07-0 2.
2. Sridevi, Shankari, Dhanaraj Cheelu, "*A Security System for Wireless Sensor Networks for Medical Systems against DDoS attack*s", VIT SET Conference April, 2011.
3. Francis, Sudan, Dhanaraj Cheelu, "*Defending DDoS and Botnet attacks*", VIT SET Conference April 2011.

Journals
1. A new Image Processing Technique for Exam E-Assessment 1Dr. Dhanaraj Cheelu, 2Kaipa Lahari 1Professor, 2Assistant Professor, Vol.20 No.02 April-2021 MATERIAL SCIENCE AND TECHNOLOGY, Department of Computer Science & Engineering, Dr.K.V.Subba Reddy Institute of Technology, Kurnool.

2. International Journal of Scientific Research in Computer Science, Engineering and Information Technology ISSN : 2456-3307 (www.ijsrcseit.com) doi :

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https://doi.org/10.32628/CSEIT217299 563 Secure Sharing of Data for Dynamic Group in Cloud Storage Application Dr. Dhanaraj Cheelu1 , K. V. Uma Maheswari2.

3. International Journal of Scientific Research in Computer Science, Engineering and Information Technology ISSN : 2456-3307 (www.ijsrcseit.com) doi : https://doi.org/10.32628/CSEIT2172846 585 Attribute-Based Privacy-Preserving Data Sharing for Dynamic Groups in Cloud Computing K. V. Uma Maheswari1 , Dr. Dhanaraj Cheelu2

4. AN EXAMINATION SYSTEM AUTOMATION USING NATURAL LANGUAGE PROCESSING 1 Dr. DhanarajCheelu, 2 CH SrilakshmiPrasanna 1 Professor, 2 Assistant Professor Department Of CSE Dr. K. V. Subba Reddy Institute Of Technology, Kurnool.

5. Dhanaraj Cheelu, Madda, RajasekharaBabu, Chi-Yuan Chen, P. Venkata Krishna, and SumanthYenduri. "An Intelligent Vertical Handoff Decision Strategy Based On Network Performance Prediction and Consumer Surplus Value for Next Generation Wireless Networks." *IET Networks* (2017).

6. Cheelu, Dhanaraj, M. RajasekharaBabu, and P. Venkatakrishna. "A fuzzy-based intelligent vertical handoff decision strategy with maximised user satisfaction for next generation communication networks." *International Journal of Process Management and Benchmarking* 3, no. 4 (2013): 420-440.
7. User Preferences and Expert Opinions Based Vertical Handoff Decision Strategy with the inclusion of Cost Parameter for 4G Networks *by Dhanaraj Cheelu, M. RajasekharaBabu, P Venkata Krishna, X. Z. Gao*
8. Cheelu, Dhanaraj. "User Preferences And Expert Opinions Based Vertical Handoff Decision Strategy." *Journal of Theoretical & Applied Information Technology* 55, no. 1 (2013).
9. Cheelu, Dhanaraj, M. RajasekharaBabu, and P. Venkata Krishna. "A Study of Vertical handoff decision strategies in heterogeneous wireless networks." *International Journal of Engineering and Technology* 5, no. 3 (2013): 2541-2554.
10. Tej, MV Uttam, Dhanaraj Cheelu, M. RajasekharaBabu, and P. Venkata Krishna. "Analyzing xml parsers performance for android platform." (2011).
11. Kausar, M. Sazeeda, and Dhanaraj Cheelu. "Context Aware Fuzzy Rule Based Vertical Handoff Decision Strategies for Heterogeneous Wireless Networks." *International Journal of Engineering and Science* 3, no. 7 (2013): 6-12.
12. Chennareddy, Madhuri, and Dhanaraj Cheelu. "A Robust Vertical Handoff Algorithm with Dynamic New Call Blocking Probability for Heterogeneous Wireless Mobile

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Networks." *Research Inventy: International Journal Of Engineering And Science* 3, no. 7 (2013): 13-18.

13. Kuppili, VN Santosh Kumar, Dhanaraj Cheelu, M. RajasekharaBabu, and P. Venkata Krishna. "Contour-Based Character Extraction from Text Regions of an Image."

14. Kuppili, VN Santosh Kumar, Dhanaraj Cheelu, M. RajasekharaBabu, and P. Venkata Krishna. "Image Segmentation based on Connected Component Analysis." *Image* 2, no. 3 (2011).

15. Rebekah, R. DeepthiCrestose, Dhanaraj Cheelu, and M. RajasekharaBabu. "Necessity of Key Aggregation Cryptosystem for Data Sharing in Cloud Computing." *Emerging Technologies and Applications for Cloud-Based Gaming* (2016): 210.

16. Deepa, T., and Dhanaraj Cheelu. "Load Balancing Algorithms in Cloud Computing: A Comparative Study." (2017).

Faculty Development Programs and Workshops Attended

1. Formulation of Research and Development Initiatives for Engineering Faculty, on 28 and 29th July 2014 conducted at G. Pullaiah College of Engineering and Technology, Kurnool, Organized by Engineering Staff College of India.

2. IBM SEED program on Rational Software Architect from 06-01-2014 to 08-01-2014.

3. One day workshop on Exploring Internet and Cyber Security on 12th Sept 2014 at Ravindra College of Engineering for Women.

4. Hadoop and BigData on 9th November 2013 at Ravindra College of Engineering for Women, Kurnool, AP.

5. Writing Research Articles by using LaTeX on April 18th 2011, organized by Theoretical Computer Science and Language Translator Division, School of Computing Science and Engineering, VIT University, Vellore.

6. Faculty Development Program – Foundations of Computer Science, organized by School of Computing Sciences from June 22 till July 3rd, 2009 at VIT Vellore.

7. Hibernate and Spring Certification Program conducted by TavantTechnologiesnBanglaore, 2007.

Blog Tab:

Blog:

http://drdhanarajcheelu.blogspot.com