

**Dr. K. L.S.Soujanya**

**Professor,** Dept of CSE

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**CAREER HIGHLIGHTS:**

Overall **22** years of Teaching, Research and Industrial Experience. Over **18** year's extensive experience in Teaching, Research and Curriculum Design. Three year as Design Engineer in Information Management India Ltd.

- Presently working as **Professor, Department of Computer Science and Engineering**, CMR College of Engineering and Technology from 2009 to till date.

- Worked as an **Associate Professor** and **Assistant Professor** in the **Department of Computer science and engineering**, Nagarjuna Institute of Technology and Science (NITS) Nalgonda during 1999-2009.

- Three years as Design Engineer in Information Management India Ltd.

**Education:**

- **Ph.D.** in **Computer Science and Engineering** from JNTU Anantapur, titled “**Configuration Management and Product Derivation in Product Line Software Systems** ” under the esteemed guidance of **Prof. Dr.A Ananda Rao, DAP JNTU Anantapur, 2017.**

- **M.Tech (Computer Science)** from JNTU Anantapuramu, Anantapur with 76 percentage in the year 2004.

- **B.E** from Vasavi College of engineering, Osmania University, Hyderabad with 86 percentage in the year 1993.

**Subjects taught for Under Graduates and Post Graduate Students:**

- Software Engineering
- Software Testing Methodologies
- Computer Graphics
- Object Oriented Analysis and Design (UML)
- Data Warehousing and Data Mining
- Database Management Systems
- Operating Systems
- C programming

**Administrative Posts Held:**

1. Member, Board of Studies, Dept. of CSE, CMR College of Engineering and Technology, Hyderabad. Actively involved in the design of Course curriculum for the Computer Science and Engineering Department.

2. HOD Incharge, Department of CSE, CMR College of Engineering and Technology, Hyderabad.
3. Member Women's Protection cell in CMR College of Engineering and Technology, Hyderabad.
4. Class Coordinator and Mentor for thirty students of CSE 2015-19 batch in CMR College of Engineering and Technology, Hyderabad.
5. Member Anti Ragging Committee CMR College of Engineering and Technology, Hyderabad.
6. Module coordinator (software systems and information security) in the department of CSE in CMR College of Engineering.
7. Course coordinator for software engineering and Software project Management in CMRCET during 2014 till date.
8. Head of the Department, Dept. of CSE, IT and MCA, from 01-06-04 to 01-08-2009 in Nagarjuna Institute of Technology and Science, Miryalguda, Nalgonda District.

#### **Other Academic Activities:**

1. External Examiner for M tech Viva voce in various colleges.
2. Paper setter for many Autonomous Colleges.
3. Active Member in various Accreditations works.
4. Active Member in various Events like conferences, FDPs, seminars, Guest Lectures and cultural events.

#### **Memberships Held:**

1. Member IEEE.
2. Member WIE.
3. Member Computer Society of India (CSI).
4. Life Member International Association of Engineers (IAENG).

#### **List of research papers published various journals:**

1. The paper titled **"Ontology Based Variability Management for Dynamic Reconfiguration of Software Product Lines"** published in journal of advanced research in Dynamical and control systems.(Scopus Indexed ),January 2017
2. The paper titled **"A Generic Framework for Configuration Management of SPL and Controlling Evolution of Complex Software Products"** was published in ACM SIGSOFT Software Engineering Notes, Volume 41 Issue 1, January 2016.
3. The paper titled **"K.L.S. Soujanya and A. Ananda Rao, "Change Propagation in Software Product Lines Using ACP Algorithm"** was published in Transactions in Engineering Technologies isbn:978-981-10-05503 Published by Springer. March-2016.
4. The paper titled **"Leveraging Configuration Management And Product Derivation Using Variability Aware Design patterns"** was published in i-manager's Journal on software Engineering, vol 10 No. 3 january-March 2016.
5. The paper titled **"Key Structure Based Approach towards Scalable Access Control in Cloud Computing"** was published in International Journal of Electronics Communication and Computer Engineering Volume 4,Issue(6) NCRTCST-2013,ISSN 2249-071X
6. The paper titled **"An Novel Entity linking Knowledge Base on candidate Ranking"** published in **IJSETR, Volume 05, Issue 42, PP: 8764-8767 , November 2016**
7. The paper titled **"Implementation of Enhanced CloSpan Algorithm for CP-Miner"**

is published in **International Journal of Advanced Research in Computer Engineering & Technology (IJARCET)** , Volume 1, Issue 8 , October 2012, EISSN: 2278 – 1323

8. The paper titled **“An Effective Regression Analysis of Online Feature Selection Along With Its Application”** published in **IJRSAE**, Volume 2, Issue 17, PP: 121 – 129, MARCH 2017.

**Papers Presented, workshops and Seminars Attended:**

1. Presented a paper titled **“Configuration management of Software Product Lines Using Ontology”** ICATEMS 17 in Golden valley integrated campus November 2017
2. Presented a paper titled **“A Systematic Approach for Configuration Management in Software Product Lines”** in an International Conference on Multi conference of engineers and computer scientists 2015, IMECS 2015, Hong Kong.
3. Presented a paper titled **“Software change classification using Hunk Metrics”** in DRDO Sponsored Two day National Conference on Recent Trends in Ubiquitous Computing & Communication Technology (RTUCCT) 17<sup>th</sup> September 2011.
4. Presented a paper titled **“Remote bug Finder Using Dynamic Test – generation”** in National Conference on Recent Trends Computer science and Information Technology (NCRTCST-2013)
5. Participated in one day workshop on **“Software Development Life Cycle : A Case study oriented approach”** organized by CSI Hyderabad chapter on 14<sup>th</sup> October, 2017.
6. Participated in the Fourth International Conference on Transformation in Engineering Education held during January 6 – 8, 2017 at Vardhaman College of Engineering, Hyderabad, India.
7. Participated in a Two Week Faculty development Programme (FDP) on **“SOFTWARE ENGINEERING”** jointly organized by Dept. of CSE, JNTUA CE Anantapuramu and Electronics and ICT Academy, NIT Warangal from 17<sup>th</sup> to 28<sup>th</sup> June, 2016.
8. Participated in one Day Pre- Conference Workshop on **“COMPUTATIONAL INTELLIGENCE : RECENT TRENDS”** Organized by Dept. of CSE JNTUH college of Engineerin Hyderabad on 25<sup>th</sup> September, 2017 held durin 2<sup>nd</sup> International Conference on Computational Intelligence and Informatics (ICCII – 2017).
9. Participated in MietY, Govt. of India, Sponsored One Week Faculty Development Programme (FDP) on **“Inseminate Technical Institutes on OBE competence , R&D and IPR”** Organized by the E & ICT Academy, National Institute of Technology , Warangal at G.Narayanamma Institute of Technology & Science (for women), Hyderabad from 19<sup>th</sup> to 24<sup>th</sup> june , 2017.
10. Participated in the National Workshop on **“Programming the Semantic Web”** Organized by Department of CSE, GITAM School of Technology, Hyderabad in association with ISTE A.P. Section on 8<sup>th</sup> November 2014
11. Participated in 36<sup>th</sup> International conference on Software Engineering (ICSE 2014), Hyderabad, India May 31<sup>st</sup>-june 7, 2014
12. Participated in the National Level Workshop on **“Natural Language Processing”** held at Department of CSE, JNTUACE, Ananthapuramu. On 7<sup>th</sup> and 8<sup>th</sup> December 2013.
13. Attended a Workshop on **“Software Configuration Management”** held on 19<sup>th</sup> march 2011 at CSI – BC premises, Organized by CSI Bangalore Chapter.
14. Participated in the National Workshop on **“Market – Oriented Cloud Computing and the Aneka Platform”** organized by Department of CSE, JNTUA college of

Engineering, Anantapur on December 27<sup>th</sup> 2011..

15. Participated in ASPIRE 2011 held at IIT Madras, Chennai, 15<sup>th</sup> – 17<sup>th</sup> December 2011.

16. Participated in ASPIRE 10 held at JNTUACE, Anantapur, 22<sup>nd</sup> and 23<sup>rd</sup> December 2010.

17. Participated in “Women in Research – the FOSS Paradigm” in UGC – Academic staff College, JNTUH on 26<sup>th</sup> November 2010

18. Participated in Faculty Development Programme on “Research Issues, Methodologies and Report Writing in the field of Computer Science” conducted from 23<sup>rd</sup> to 24<sup>th</sup> December 2010 at CMRCET, Hyderabad

19. Participated in 4<sup>th</sup> India Software Engineering Conference Tirivanantapuram, 19<sup>th</sup> – 21<sup>st</sup> Feb 2011

20. Participated in 3<sup>rd</sup> India Software Engineering Conference Mysore, 25<sup>th</sup> – 27<sup>th</sup> Feb 2010

21. Attended a “**One-Day Research Workshop**” 2010 held at IIIT Hyderabad on 29<sup>th</sup>, January 2010

22. Attended a 2 day National Conference on “**MOBILE COMPUTING AND NETWORK SECURITY**”, conducted on 12-13<sup>th</sup> October, 2007.

23. Attended a 2 day workshop on “**Effective Teaching Methodologies**” at VR siddhartha Engineering college vijaywada, 2005.

24. Acted as a judge for Paper Presentation Event and Software Project Expo Event in national level technical fest “Adhvaya 12” held at HIET, Hyderabad.

25. Attended a tech-talk at CSI Hyderabad chapter on Refactoring for Software Design Smells The Speaker is, Dr. Salman Abdul Moiz, Associate Professor, University of Hyderabad from 22<sup>nd</sup> October from 4.30 pm to 6.00pm

26. Attended an international conference ICTIEE 2017 at vardhaman college of engineering from 6<sup>th</sup> to 8<sup>th</sup> January.

27. Participated in One Week Faculty Development Programme (FDP) on “Data Science with R” Organized by the E & ICT Academy, National Institute of Technology, Warangal at G.Narayanamma Institute of Technology & Science (for women), Hyderabad from 30<sup>th</sup> April to 6<sup>th</sup> June, 2018.

28. Attended “AI:Future Perfect” A Hyderabad data Science Group meetup at Tech Mahindra in the month of May 2018

#### **Conferences /Workshops coordinated:**

1. NCRTCST -2012, CMRCET, Hyderabad.

2. NCRTCST -2013, CMRCET, Hyderabad.

3. ASPIRE-2010, JNTUA, Anantapuramu.

4. Faculty Development Programme on “**Research Issues, Methodologies and Report Writing in the field of Computer Science**” conducted from 23<sup>rd</sup> to 24<sup>th</sup> December 2010 at CMRCET, Hyderabad.

5. National Workshop on “**Market – Oriented Cloud Computing and the Aneka Platform**” organized by Department of CSE, JNTUA college of Engineering, Anantapur on December 27<sup>th</sup> 2011

6. One Week Faculty development Programme (FDP) on “**VIRTUALIZATION**” jointly organized by Dept. of CSE, CMRCET, and ICT Academy, 7<sup>th</sup> to 14<sup>th</sup> August, 2017.

7. One Week Faculty development Programme (FDP) on “**ARTIFICIAL INTELLIGENCE using AI AND ML**” jointly organized by Dept. of CSE, CMRCET, and E-SUMMIT IITR, 21<sup>st</sup> to 26<sup>th</sup> May, 2018.

**Projects Guidance:**

- a) M tech Projects - Guided - 8 nos.
- b) On going Mtech Projects – 2 nos
- c) Btech projects Guided -30 nos

**Projects Applied:** Applied for a project under Teachers Associateship for research Excellence (TARE) under science and Engineering Research Board.

**Countries Visited:**

1. Visited Hong Kong from 18<sup>th</sup> March to 20<sup>th</sup> March 2015 to present a paper in an International Conference.

**Personal Profile:**

- Date of Birth : 30<sup>th</sup> May 1972
  - Marital Status : Married
  - Nationality : Indian
  - Languages Known : Telugu, English, Hindi, and Tamil.
  - Strengths : 1. Being good to all
2. Student Friendly Nature
  3. Ready to take any challenge
  4. Positive attitude.

**References:****1. Dr. A. Ananda Rao**

Professor , Dept. of CSE  
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Phone: 91-9000551418

**2. Dr. M. Asha Rani**

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JNTUH, Hyderabad,  
Telangana. India.  
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**3. Dr. S. Ravi Chandra**

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