

RESUME

Dr. G. SHANKAR LINGAM

MCA, M.Phil.(CS), M.Tech.(CSE), APSET,UGC-NET, Ph.D, D.Litt.

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1. OBJECTIVES:

- To strive for academic excellence and impart quality education with emphasis in bridging the lacuna of industry and university curriculum.
- To inculcate the habit of executing effective implementation and rectification of real time issues in and out the academics.

2. PROFESSIONAL QUALIFICATION:

- Doctor of Letters (D.Litt.) a honorary degree from University of South America as recommended by Dr. S. Radhakrishnan - Research & Development Center, India.
- Qualified UGC-NET (National Eligibility Test for Assistant Professor) in Computer Science & Applications conducted by University Grants Commission (UGC), New Delhi, in December, 2014.
- Ph. D in Computer Science and Engineering with thesis topic “Processor Architecture: A Study” from CMJ University in 2013.
- Qualified, Andhra Pradesh State Eligibility Test for Assistant Professor (APSET) in the subject Computer Science & Application in 2013.
- M.Tech. in Computer Science and Engineering with First Class with Distinction (75%) from JNTU, Hyderabad in 2009.
- M.Phil. in Computer Science with First Class (66%) from Periyar University, Salem in 2008.
- Master of Computer Application with First Class (67%) from Chaitanya Post Graduate College, Kakatiya University, Warangal in 1997.
- Bachelor of Science in Mathematics, Physics & Chemistry with First Class(62%) from Chaitanya Degree College, Kakatiya University, Warangal in 1994.

3. ACADEMIC EXPERIENCE: 21 $\frac{1}{2}$ Years

PERIOD	POSITION HELD	ORGANISATION	Years
19-Jun -1998 To 21-Jan-2005	Lecturer & Head Dept. Of MCA	CHAITANYA POST GRADUATE COLLEGE(MCA) HANMAKONDA, WARANGAL	6 Years 6 Months
22-Jan-2005 To 31-Dec-2008	Asst. Professor & Head Dept. Of MCA	CHAITANYA POST GRADUATE COLLEGE(MCA) HANMAKONDA, WARANGAL	4 Years
01-Jan-2009 To 16-Jun-2010	Assoc. Prof. & Director MCA Programme	CHAITANYA POST GRADUATE COLLEGE(MCA) KISHANPURA, WARANGAL	1 Years 6 Months
17-Jun-2010 To 31-May-2013	Assoc. Professor Dept. of Comp. Sci. & Engg.	CHAITANYA INSTITUTE OF TECH. & SCIENCE MADIKONDA, WARANGAL	3 Years
01-Jun-2013 To Till Date	Professor & Principal	CHAITANYA INSTITUTE OF TECH. & SCIENCE HANMAKONDA, WARANGAL	6 Years 6 Months

4. MEMBER OF ACADEMIC & ADMINISTRATIVE BODIES:

- **Member, Governing Body**, Chaitanya Post Graduate College(Autonomous), Hanmakonda
- **Member, Academic Counsel**, Chaitanya Post Graduate College (Autonomous), Hanmakonda. (2009 to Till date)
- **Chairman, Board of Studies in Computer Science**, Chaitanya Post Graduate College(Autonomous), Hanmakonda.(2009 to Till date)
- **Member**, Cell constituted for Internal Quality Assurance for Chaitanya Post Graduate (NAAC). (2007 to Till date)

5. TEACHING EXPERIENCE : $21\frac{1}{2}$ Years: The subjects taught for UG & PG Professional Programmes

- Programming Concepts in C /C++
- Data structure and Algorithm Analysis with C++/Java
- Object Oriented Programming with C++/Java
- Computer Networks
- Computer Graphics
- Database Management System
- Advanced Java/Web Technology
- .Net Programming with C#/Vb.Net
- Cryptography & Network Security
- Design and Analysis of Algorithms
- Advanced Programming in J2EE
- Windows Phone 7 Programming
- Mobile Application Development with J2ME

6. ACADEMIC EXCELLENCE:

➤ **EXAMINER: (Practical Examination, Paper Valuation & Paper Setting)**

- Acting as an Examiner (Internal and External) of Kakatiya University, Warangal 1999 to till date.
- Acting as an Examiner of JNTU, Hyderabad 2010 to till date.
- Acting as an Examiner for Engineering PG Courses, IIIMT University, Merut from 2015 to till date
- Acting as an Examiner of KITS, Warangal from 2018 to till date.

➤ **CHAIRMAN, BOARD OF STUDIES, Dept. of Computer Science, Chaitanya Postgraduate College (Autonomous) from 2009 to Till Date (10 Years):**

- Designed MCA course curriculum along with other members of BOS as per industry standards.
- Added two industry specializations (Cloud Computing, Windows Phone 7 Programming) with the support of Microsoft in MCA curriculum.
- Moderated exam question papers for MCA course.

7. TECHNICAL EXCELLENCE:

Networking: Established Six Computer Laboratories and configured them with LAN and Wi-Fi.

Automation: Developed and Maintain automation software for Chaitanya Group of Colleges.

- 1) **Admission Automation:** Developed the first Software by using a package named DBASE / FOXPRO in the year **1999** for **Chaitanya Degree College**. This software was used for four years successfully and later a new version of this software is released in Visual Basic 6.0.

Services:

- Add the student details of those applied for admission.
- Print First, Second and Third Admission Allotment List as per merit and Govt. reservations.

- 2) **Attendance System:** Developed a Software by using a package named DBASE / FOXPRO in the year **2000** for **Chaitanya Degree & PG College**. This software was used for four years successfully and later a new version of this software is released in Visual Basic 6.0.
Services:
 - Add the period wise attendance slip.
 - Verify and display attendance slips submitted for the same class hour
 - Print Daily, Weekly, Bi-Weekly, Monthly attendance report.
 - Sending individual student attendance by post.
- 3) **Accounts System:** Developed a Software by using Visual Basic 6.0 in the year **2005** for **Chaitanya Degree & PG College**.
- 4) **Examination System:** Developed a Software by using Visual Basic 6.0 in the year **2005** for **Chaitanya Degree & PG College**.
- 5) **Autonomous Examination System:** Developed a Software by using VB.NET in the year **2009** for **Chaitanya Degree & PG College (Autonomous)**.
- 6) **Design of Web Portals:** Designed & Hosted web portals for the Chaitanya Group of colleges that automates the college information system.
www.chaitanyacolleges.com www.citswarangal.ac.in
www.chaitanyacolleges.ac.in www.citswarangal.com
pharmacy.chaitanyacolleges.com www.cdu.ac.in
- 7) **Design of Mobile app:** Designed & Hosted a mobile app for the Chaitanya Group of colleges that automates the college information system

Server Administration & Maintenance:

- 1) **Database Server – Oracle – For Institutional Data since 2000**
- 2) **Web & Application Server – Microsoft Windows Server – For web hosting since 2009**
- 3) **DNS Server – Microsoft Windows Server – For Web Domains since 2009**

Certifications:

- Appeared for Oracle Certification Exam “1Z0-007 Introduction to Oracle 9i : SQL” on 25th September, 2009 and certified with 90.38%.
- Appeared for IBM Certification Exam on “DB2 9 Family Fundamentals” and got the certificate “IBM Certified Database Associate” on 27th November 2009.

RESEARCH EXPERIENCE:

- A Thesis submitted “Processor Architecture: A Study” for the award Ph. D. in Computer Science & Engineering.
- A Project Report on “BUSINESS-BASED SMS MOBILE SEARCH” submitted for the partial fulfilment of Master of Technology in Computer Science & Engineering.
- Dissertation “A STUDY OF PARALLEL ALGORITHMS FOR GEOMETRIC SHORTEST PATH PROBLEMS” submitted for the partial fulfilment of Master of Philosophy in Computer Science.

- Guided a minimum of 5 teams who participated in IBM TGMC.
- Guided a minimum of 5 teams in every year to do their project in MCA curriculum from 2000 to 2010.
- Guided approximately 50 project dissertations for MCA students.
- Guided 16 project dissertations for M.Tech students.

Publications:

- 1) Published a paper entitled “**Processor Architecture: A Study**” in the **International Journal of Scientific Engineering and Technology Research** (ISSN 2319-8885, Impact Factor: 3.8) in December-2012- Vol 01, Issue 03(pages 258-262)
- 2) Published a paper entitled “**Optimization in Multiprocessor Systems**” in the **International Journal of Technology and Innovative Research** (ISSN 2348-2370, Impact Factor: 3.1) in February, 2013- Vol.05, Issue 01(pages 345-348).
- 3) Participated and Presented a Paper in National Conference on Futuristic Areas in Computer Science Engineering & Technology (FACET-13) on “**Ranking Spatial Data for Flats by Quality Preferences**” organized by KITS, Singapore, Huzurabad on 10th and 11th October, 2013.
- 4) Published a paper entitled “**Design and Implementation SMS Based Mobile Search for an Industry**” in the **International Journal of Innovative Technologies** (ISSN 2321-8665) in January, 2016-Vol. 04, Issue 01(Pages 0206-0210).
- 5) Published a paper entitled “**Importance of Big Data in Metro Cities**” in the **International Journal of Advanced Technology and Innovative Research** (ISSN 2348-2370, Impact Factor: 3.1) in February, 2016-Vol. 08, Issue 02(Pages 0403-0405).
- 6) Published a paper entitled “**Ranking and Suggestion Rules: Finding Popularity of Songs**” in the **International Journal of Scientific Engineering & Technology Research** (ISSN 2319-8885, Impact Factor: 3.8) in March, 2016-Vol. 05, Issue 07(Pages 1456-1460).
- 7) Published a paper entitled “**User Interfaces and the Applications for Mobile Devices**” in the **International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE)** (ISSN 2319-8885, Impact Factor: 6.577) in March, 2016-Vol. 03, Issue 07.
- 8) Published a paper entitled “**Mobile Applications as Cloud Computing: A Study**” in the **International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE)** (ISSN 2319-8885, Impact Factor: 6.577) in April , 2016-Vol. 04, Issue 04.
- 9) Published a paper entitled “**A Framework to Assist Selection of Multi Cloud Service Providers**” in the **International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE)** (ISSN 2319-8885, Impact Factor: 6.577) in May, 2016-Vol. 04, Issue 05.
- 10) Published a paper entitled “**A Study on Discovery of Ranking Fraud for Mobile Apps**” in the **International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE)** (ISSN 2319-8885, Impact Factor: 6.577) in June, 2016-Vol. 04, Issue 06.

- 11) Published a paper entitled “**Design and study of Android Based SDK’S for Mobile devices**” in the **International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)** (ISSN 2319-8885, Impact Factor: 5.621) in July, 2016-Vol. 05, Issue 07.
- 12) Published a paper entitled “**Design a Cross Platform Mobile Application for Student Information System**” in the **International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)** (ISSN 2319-8885, Impact Factor: 5.621) in October, 2015 -Vol. 04, Issue 10.
- 13) Published a paper entitled “**A Broad Study on mobile cloud computing as forthcoming mobile applications**” in the **International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)** (ISSN 2319-8885, Impact Factor: 5.621) in January, 2016 -Vol. 05, Issue 1.
- 14) Published a paper entitled “**A Comprehensive Survey on Contemporary Mobile Phone Processors**” in the **International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)** (ISSN 2319-8885, Impact Factor: 6.209) in December, 2015 -Vol. 04, Issue 12.
- 15) Published a paper entitled “**Progression of Hardware platform of mobile phone processors**” in the **International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)** (ISSN 2319-8885, Impact Factor: 6.209) in November, 2015 -Vol. 04, Issue 11.
- 16) Published a paper entitled “**Investigation of Mobile user interface design performance – A case study**” in the **International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)** (ISSN 2319-8885, Impact Factor: 6.209) in February, 2016 -Vol. 05, Issue 2.
- 17) Published a paper entitled “**Security Protection Based Access Control Scheme in Cloud-Based Administration**” in *IJAEMA Journal* (ISSN NO: 0886-9367)
- 18) **STRATEGIC DIRECTIONS FOR HUMAN-COMPUTER INTERACTION DESIGN FOR MOBILE DEVICES**, *International Journal of Innovative Research in Technology*(www.ijirt.org) ,ISSN: 2349-6002 ,Volume 3 ,Issue 5 ,Page(s):300-304 ,July 2017.
- 19) **AN ASSESSMENT OF LAYOUT PATTERNS OF MOBILE USER INTERFACES**, *International Journal of Innovative Research in Technology*(www.ijirt.org) ,ISSN: 2349-6002 ,Volume 2 ,Issue 9 ,Page(s):191-195 ,July 2017
- 20) **An Exploration of Mobile Application Development Processes - An Exploration of Mobile Application Development Processes** Authors: Dr.G.Shankar Lingam Year: | Volume: 3 | Issue: 2 | PageNo: 269-27
- 21) ” **Efficient File Search over Encrypted Cloud Data**”, *IJAEMA Journal*, Vol-8,Issue-1,2015
- 22) “**A Novel Approach for Traceable Verification Search**”, *JICR Journal*,2016
- 23) “**A Survey on Disease Prediction by Machine Learning over Big Data from Healthcare Communities**”, *JICR Journal*, 2017

- 24) “Identical Search by Using String Similarity by Using Hashing”, IJAEMA Journal, Vol-10, Issue-12, 2018
- 25) “Graph Based Ranking Forge for Image Retrieval”, IJAST Scopus Journal, Volume 129, Issue-1, August 2019
- 26) “Crowd Sourcing Classification by Using DLTA Framework”, JOICS Journal, 2019
- 27) “An Empirical Study of Smartphone Platforms Usability: A Study”, International Journal of Research, Vol-3, Issue-12, August 2016.
- 28) “An Investigation experience of a mobile tablet Application Prototypes”, International Journal of Research, Vol-3, Issue-18, December 2016.
- 29) Cloud-Enabled WBANs for Ubiquitous Healthcare Applications: Data Collection and Privacy Preserving Approach, [Soft Computing and Signal Processing](#) pp 117-128 (Springer)-February 2019.

• **Conferences, summer/winter schools/workshop attended: 20**

1. Attended 3-day course on “**Computer Maintenance**” sponsored by the UGC, New Delhi, Organized by the Academic Staff College, Goa University from 15th to 17th October, 1998.
2. Attended the two weeks AICTE/QIP Short term Course for MCA Teachers on “**Document Management**” from 13th to 25th March, 2006. The Course was sponsored by the AICTE, New Delhi, organized and conducted by the Department of Computer Science and Engineering, College of Engineering, Anna University, Chennai – 600025.
3. Attended and Participated in **Campus Connect Faculty Enablement Program(FEP)** held at InfoSys, Hyderabad from 26th November, 2006 to 08th December, 2006, conducted by **INFOSYS TECHNOLOGIES LIMITED** for Institute for Electronic Governance – Jawahar Knowledge Centre(IEG – JKC).
4. Participated in **IBM-FACULTY DEVELOPMENT PROGRAMME** during 21st to 23rd September, 2007 held at SRIST, Nalgonda, A.P., organized by IBM.
5. Attended 5-day **Oracle Faculty Enablement Program** from 21st July 2008 to 25th July 2008 conducted jointly by IEG – Oracle India Private Limited at Sree Chaitanya Engineering College, Karimnagar Dist, A.P.,
6. Participated in Train The Trainer Program on “**Infrastructure Management Services(IMS)**” held at Infosys Technologies Ltd., Hyderabad 6th to 8th August, 2008, conducted by **Infosys Technologies Limited**.
7. Attended a workshop organized by Microsoft & IEG/JKC through MANA TV on “Systems Integration: The Microsoft way” on 20th February, 2009.
8. Attended a two week Staff Development Programme on “Frontiers in Data Mining – Trends, Prospects and Perspectives” sponsored by AICTE, New Delhi, organized by Alluri Institute of Management Sciences, Hanmakonda.
9. Attended a 3 days Faculty Connection Summer Symposium organized by Microsoft Corporation at New Delhi from 20th June, 2011 to 22nd June, 2011.
10. Attended Advantage AP programme organized by Government of Andhra Pradesh for two days on 21st and 22nd of June 2012.
11. Attended one day FDP on Research Methodology in SVS Group of Institutions conducted by Department of CSE on 26th August, 2012.
12. Participated and Presented a Paper in National Conference on Futuristic Areas in Computer Science Engineering & Technology (FACET-13) on “Ranking Spatial Data for Flats by Quality Preferences” organized by KITS, Singapore, Huzurabad on 10th and 11th October, 2013.
13. Attended 5 day workshop for Certification on Java Fundamentals & Programming from 21st to 25th October, 2013 under IEG/JKC conducted by Oracle Academy at BITS, Narsampet, Warangal.

14. Attended Two-week ISTE workshop on Computer Programming conducted by IIT, Bombay under the National Mission on Education through ICT(MHRD, Govt. of India) from 16th to 21st June 2014.
15. Attend a 2 day Microsoft Faculty Connection Summer Symposium at New Delhi on 26th and 27th June,2014.
16. Attended a 2 day Deloitte program named “COURAGEOUS Principals” at Bengaluru on 23rd and 24th November,2017.
17. Attended a 1 day workshop on “Opportunities and challenges in implementation of AICTE, Internship Policy” at AICTE at New Delhi on 29th September, 2019.
18. Attended 7 days AICTE Sponcered Short Term Training Programme on “Big Data Analytics and Research Issues” at Jayanmukhi Institute of Technological & Sciences on 2nd -7th Decemeber, 2019.
19. Attended AICTE Sponcered Two Weeks FDP on “Data Science & Its Research Confronts” at Jayanmukhi Institute of Technological & Sciences on 2nd -13th January, 2020.
20. Attended 2 days AICTE Sponcered National Seminar on “JINI Technology” at Jayanmukhi Institute of Technological & Sciences on 1st -2nd , Decemeber, 2017.

Conferences, summer/winter schools/workshop conducted: 10

Conducted training program “**Infosys Campus Connect Foundation Program**” successfully two times for the students of MCA.

Conducted IBM-FDP from 31st January, 2008 to 1st February, 2008 at Chaitanya Postgraduate College in co-ordination with IEG/JKC & IBM.

Conducted 5 days Oracle FEP jointly by IEG & ORACLE India Private Limited from 25th to 29th August, 2008.

Conducted one day workshop on Job Opportunities by Mr. Tarun Kishore, Infosys Recruitment Manager on 30th September, 2008 for MCA students.

Conducted One day Training program for IBM TGMC projects to MCA Students by Mr. Somnath Thigale, IBM Resource Person on 15th October, 2008.

Conducted Oracle Training Program for Oracle Certified Associate on 24th September, 2009 in co-ordination with IEG/JKC & Oracle to the MCA Students.

Conducted Training Program on “DB2 9 Family Fundamentals” for one month and an online exam was held on 27th November,2009 to the MCA Students.

Conducted an Online Training Programme “Virtual Tech Days” for Faculty and Students of MCA with the support of Microsoft Corporation on Latest Technologies like Window Azure and Windows Phone 7 Programming for 3 days from 28th to 30th September, 2011.

Conducted Training Program for Microsoft Technology Associate Certificate on 22nd and 23rd December 2012 for Students of MCA and B.Tech..

Conducted 5 day workshop for Certification on Java Fundamentals & Programming from 21st to 25th March, 2014 for B.Tech. students at Chaitanya Institute of Technology & Science, Hanmakonda with support of Oracle Academy and issued “Java Fundamentals & Programming” certificates to 80 students.

- Other Contributions:
 - a. Rendered services for the NAAC accreditation for the College
 - b. Extended services for the Autonomous Status for the College
 - c. Visiting as Guest Faculty in Various reputed Institutions.

PERSONAL PROFILE

Father's Name : G. Somaiah
Date of Birth and Age : 07-08-1974, & 40 Yrs.
Gender : Male
Citizenship : Citizen of India.
Religion : Hindu.
Marital Status : Married
Permanent Address : H.No. : 2-408/1, BANK COLONY-II,
VIDYARANYA PURI, HANMAKONDA
WARANGAL, ANDHRA PRADESH-506001
INDIA.
Email : shankar@chaitanyacolleges.com
shankar_lingam@hotmail.com
Languages known : English and Telugu

Date:

(Dr. G. SHANKAR LINGAM)