

## Curriculum Vitae

**Name :** Dr. Jayadev Gyani  
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### 1. Academic Qualifications:

| Sl.No. | Degree       | Specialization      | Univ. / Board               | Year Completed | Division/ Percentage  |
|--------|--------------|---------------------|-----------------------------|----------------|-----------------------|
| 1      | SSC          | Maths               | SSC                         | 1985           | First/70.8%           |
| 2      | Intermediate | MPC                 | Intermediate                | 1987           | First/66.2%           |
| 3      | B.Tech.      | Mechanical          | Kakatiya Univ.<br>Warangal  | 1991           | Distinction/<br>73.4% |
| 4      | M.Tech.      | CSE                 | Osmania Univ.<br>Hyderabad. | 1994           | First/66%             |
| 5      | Ph.D.        | Computer<br>Science | University of<br>Hyderabad. | 2009           | -----                 |

### 2. Employment Record:

| Sl.No. | Designation                                 | From       | To         | Organization   |
|--------|---|------------|------------|--|
| 1      | Software Engineer                           | April,1994 | April,1995 | Frontier Institute of<br>Information Technology                |
| 2.     | Lecturer                                    | April,1995 | Sept.1995  | Kakatiya University  |
| 3.     | Lecturer                                    | Sept.1995  | Sept.1996  | Alluri Institute of<br>Management & Science                    |
| 4.     | Lecturer                                    | Sept.1996  | May 2001   | Kakatiya Institute of Tech. &<br>Science, Warangal             |
| 5.     | Asst. Professor.                            | May,2001   | July,2005  | Kakatiya Institute of Tech. &<br>Science, Warangal.            |
| 6.     | Head& Asst. Professor,<br>IT                | July,2005  | May,2007   | Kakatiya Institute of Tech. &<br>Science, Warangal.            |
| 7.     | Professor & Head, CSE<br>(Ratified by JNTU) | May,2007   | Till date  | Jayamukhi Institute of<br>Technological Sciences,<br>Narsampet |

### 3. Countries visited for presenting papers: Germany, Nepal

#### 4. Grants received:

1. UGC travel grant of Rs.56,000/- for presenting a paper at EuroPLoP-2005, Germany
2. AICTE Grant of Rs.15,00,000 under MODROBS as a Coordinator
3. AICTE Grant of Rs.7,00,000 to conduct Staff Development Programme on “Web Technologies”

#### 5. Member of Professional Bodies:

- a) Life Member of ISTE
- b) Associate Member of IEI
- c) Senior Member of International Association of Computer Science & I.T., Singapore
- d) Member of ACM

#### 6. Ph.D.s Guiding/Guided: 2

#### 7. Books Authored:

1. Principles of Programming Languages, Hi-tech publications

#### 8. Books Reviewed:

1. Analysis of Algorithms, McGrawHill publications
2. Design and Analysis of Algorithms, McGrawHill publications

#### 9. Ph.D. Thesis Title:

“An Investigation into Detection and Suggestion of Design Patterns”

#### 10. List of Publications:

1. "Object Oriented Reuse Metrics:A Study on Inheritance", presented at an **International Conference** on “Systemics, Cybernetics, and Informatics”,SCI-2000, IIIT, Hyderabad, A.P., India
- 2."Facade Pattern Interface for Data Structure Subsystem", presented at an **International conference** on “Information Technology:Prospects and Challenges in 21<sup>st</sup> Century”, ITPC-2003, Khatmandu, **Nepal**
- 3."Design Patterns and Components for Achieving Software Reuse", presented at a National Conference DIET-2003, conducted by The Institution of Engineers India,Warangal,A.P.,India
- 4.”Pattern-oriented Web Applications” presented at a National Conference on “Object and Component Technologies”, OBCOM-2003, Vellore,Tamilnadu,India
5. "A Pattern Language for Online Share Trading",presented at an **International Conference** EuroPLoP-2005, Irsee, **Germany**
6. "Enhancing Software Evolution with Pattern Oriented Software Product Life Cycle", accepted for presentation at **IEEE conference** on Software Technology and Engineering Practice(STEP-2005), Budapest, **Hungary**
7. “Simulation of Consignment Stock Model for Single Vendor-Multi Buyers in a Supply Chain”, **International Journal** of Computational Intelligence Research and Applications,Jul-Dec,2008,pp131-140
8. “Static Slicing of Object Oriented Programs”, proceedings of NCI-2008, Nellore
9. “Dynamic Slicing of Object Oriented Programs”, proceedings of National Conference NCI-2008, Nellore
10. “Privacy Preservation in Association Rule Mining Using Query Filtering”, proceedings of National

Conference on “Emerging Trends in Data Mining, Ware Housing and Computer Communications” held at SNIST, Hyderabad

11. “DDoS-Shield to Counter Application Layer Attacks”, proceedings of National conference AISE-2009, Karnataka

12.” An Efficient Approach for Classifying and Searching PDF Documents”, proceedings of National conference AISE-2009, Karnataka

13. “Improved analysis on Chang and Chang Password Key Exchange Protocol”, proceedings of **IEEE International Conference** on Advances in Computing, Control and Telecommunication Technologies, ACT-2009, Kerala

14. “TECDP: A Tool for Extracting Creational Design Patterns”, proceedings of **ACM International Conference** ICWET 2010

15.”Static and Dynamic Attribute Slicing Tool for Object-Oriented Programs”, proceedings of **ACM International Conference** ICWET 2010, Maharashtra.

16.”A Tool for Extracting Design Patterns in Java Code”, proceedings of **International Conference** CSCIT-2010, Maharashtra.

17. “Hierarchical Online Mining for Associative Rules Using Neural Networks”, proceedings of NCRT-2010,Hyderabad.

18. “Statistical Analysis of Packet Filtering in Distributed Denial-of-Service Attacks”, proceedings of **International Conference** on ITFRWP '09, Warangal

19. “Extracting Information from Byte Code Using Java Reflection”, proceedings of MMET2010, Hyderabad

20. “Design Patterns: A Resource for Reverse Engineering”, **International Journal** of Computer Science & Engineering, Vol.02, No.3, 2010, ppno.826-830

21. “A Practical Approach for Classifying and Searching PDF Documents””, proceedings of 2nd Vaagdevi **International Conference** On Information Technology For Real World Problems,Vcon'10, ppno.29-32

22. “A Tool for the Implementation of Scalable, Efficient and Authenticated Key Generation Scheme for Dynamic Multicasts”, proceedings of 2nd Vaagdevi **International Conference** On Information Technology For Real World Problems,Vcon'10,ppno.34-37

23. “E-Commerce Security in information system using SHA-1 algorithm”, proceedings of National Conference on Recent Trends in Computational Sciences and Engineering,NCRTCSE-2011

24. “Packet Filtering in Wireless Ad-hoc Networks and Wireless Mesh Networks”, National Conference, NICE, 2010, 22nd - 23rd Dec, 2010, Pg. 248-251.Acharya IT, Bangalore, K.A., India

25. “A Novel Approach for Clustering E-mail Users using Pattern Matching”, **International Conference** on Electronics Computer Technology, ICECT-2011,8-10, April 2011,ppno.205-209, ISBN 978-1-4244-8677-9

26. “A Novel Approach for Estimating the Cognition Level of a Student in Adaptive Learning System”, Accepted for publication in **International Journal of Intelligent Information Processing, Korea**

#### **10. List of Short Term Programs participated:**

- One Week workshop on "Computer Networks" at Osmania University,Hyderabad
- Two days workshop on "Trends and Challenges in Software Testing" at University of Hyderabad, Hyderabad.
- One week workshop on "Project Management" conducted at IISc, Bangalore
- Two week staff development on "Information Modeling" conducted at NITW

#### **11. Achievements:**

- 1 Member,Board of Studies, Information Technology, Kakatiya University
- 2 Web site Administration of Kakatiya Institute of Technological Sciences, Warangal
- 3 Cultural and Co-curricular activities Committee Co-ordinator at KITS, Warangal for 3 yrs
- 4 Resource Person in AICTE-SDP on "OOAD" and "Internet Application Programming"
- 5 Resource Person in a Faculty Development Workshop on "Software Engineering", BITS, Warangal
- 6 Resource person for "PG Diploma in Cyber laws and Intellectual Property Rights", University of Hyderabad
- 7 Resource Person in a Faculty Development Workshop on "Advances in Software Engineering", RRS College of Engineering, Hyderabad
- 8 Delivered a Guest Lecture on "Design Patterns" at Ramappa College of Engineering, Warangal
- 9 Delivered a Guest Lecture on "Software Project Management", Sri Chaityanya College of Engineering, Karimnagar
- 10 Delivered a Lecture on "Artificial Intelligence" at Kakatiya PG College, Warangal
- 11 Website Administration of Jayamukhi Institute of Technological Sciences, Warangal
- 12 Internet In-charge, Jayamukhi Institute of Technological Sciences, Warangal
- 13 Delivered a lecture on "Ethical Hacking" for PGDCLIPR program at University of Hyderabad
- 14 Coordinator of Two Weeks AICTE staff development program on "WEB TECHNOLOGIES"
- 15 Delivered a talk on "Asp.net" at Osmania University, Hyderabad
- 16 Delivered a lecture on "Asp.net" at Bhavana's P.G.College, Sainikpuri, Hyderabad
- 17 Delivered a talk on "Cloud computing & Wireless Sensor Networks" at Sharada Institute of Engineering, Khammam

#### **12. Subjects handled:**

M.Tech. (Software Engineering):

1. Object Oriented Software Engineering
2. Software Architecture
3. Software Project Management
4. Software Architecture and Design Patterns

**M.Tech. (CSE):**

1. Design and Analysis of Algorithms
2. Software Engineering

**M.C.A.**

1. Software Engineering
2. Object Oriented Analysis and Design
3. Object Oriented Modeling using C++
4. Principles of Programming Languages
5. Business Data Processing
6. Operating Systems
7. Computer Networks

**M.Sc.(Computer Science)**

1. Design and Analysis of Algorithms
2. Software Engineering
3. Parallel Programming
4. Programming Languages
5. Object Oriented Modeling using Java

**B.Tech.(CSE&IT)**

1. Computer Organization
2. Computer Architecture
3. Data Structures
4. Algorithm Analysis and Design
5. Real Time Systems
6. Database Management Systems
7. Data Processing
8. Operating Systems
9. Software Engineering
10. Principles of Programming Languages
11. Object Oriented Programming
12. Artificial Intelligence
13. Programming in Java, C++, C, VC++
14. Lisp, Prolog, Cobol, 8088 Assembly Language
15. Software Testing Methodologies
16. Embedded systems

Signature