

## RESUME

### PERSONAL DETAILS

NAME : GIRISH PANDURANG POTDAR

DESIGNATION : Associate Professor, Department Computer Engineering,  
Pune Institute of Computer Technology, Pune.

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Date of Birth: 18<sup>th</sup> OCT 1968

### CAREER OBJECTIVE:

To be with good working environment, in which I can groom my teaching and technical competencies.

### EDUCATIONAL DETAILS:

Sr. No	Degree	Specialization	University	Percentage	Year of Passing
1	B.E	Computer Engg	Karnataka University,Dharwad	75.41%	1990
2	M.E	Computer	Pune University.	60%	2000
3	Ph.D	Computer Science and Engg	S.R.T.M.U, Nanded	NA	2015

- **PhD in Computer Engineering** from SGGS Nanded, SRTMU, Nanded, Title: —**A Novel Approach in Heuristic Search For Finding Optimal Solution** under guidance of late **Dr. R. C. Thool**.

## WORK EXPERIENCE:

Sr. No	Designation	Working Period	Name of the Organization
1	Associate Professor	Dec 2010 to till date	Pune Institute of Computer Technology
2	Assistant Professor	Dec 2000 to Nov 2010	Pune Institute of Computer Technology
3	Lecturer	June 1995 to Nov 2000	Pune Institute of Computer Technology
4	Project Leader	Dec 1993 to May 1995	Boston Computers, Pune
5	Software Development Manager	Dec 1992 to Nov 1993	Magnum Software House, Belgaum
6	Lecturer	June 1990 to Nov 1992	G.I.T. Belgaum

- **Twenty two years** of work experience in Teaching, and three years in **Industry**.
- **Working** as an **Associate Professor** in Computer Engineering Department since 2011.
- **Worked** as a **Lecturer** in CSE department in Gogte Institute of Technology, Belgaum from July 1990 to November 1992.

## TEACHING & RESEARCH DETAILS:

### I. SUBJECTS TAUGHT AT UG LEVEL:

Data Structures and Files, System Programming, Theory of Computer Science, System Software, Computer Graphics, Data Structures, Data Structures and Algorithms, Compiler construction, Principles of Programming Languages, Fundamental of Data Structures, Programming Paradigms and Methodology, Design Analysis of Algorithms, Operating Systems.

### II. SUBJECTS TAUGHT AT PG LEVEL:

Applied Algorithms and Advanced Compiler Design.

### III. AREA OF RESEARCH INTEREST:

Data structures and Analysis of algorithms.

#### IV. PAPERS PUBLISHED :

- 1) G P Potdar, Shivangi G Potdar, —Heuristic Searching Techniques| ,Proceedings of Second National Conference on IT enabled Product Development strategies, 10-11, Dec 2004, PST, Coimbatore, India.
- 2) G P Potdar, Dr. R. C Thool, —An Overview of Use of Linear Data Structure in Heuristic Search Technique|, International Journal of Emerging Technology and Advanced Engineering, Volume 3, Issue 9, pp 365-368. September 2013
- 3) G P Potdar, Dr. R. C Thool, —An Alternate Way Of Implementing Heuristic Searching Technique|, International Journal of Research in Computer and Communication Technology, Volume 2, Issue 9. pp.793-795. September 2013.
- 4) G P Potdar, Dr. R. C Thool, —Comparison of Various Heuristic Search Techniques for Finding Shortest Path|, International Journal of Artificial Intelligence & Applications (IJAIA), Volume 5, No. 4, pp. 63-74. July 2014.
- 5) G P Potdar, Dr. R. C Thool, —Optimal Solution for Shortest Path Problem Using Heuristic Search Technique|, International Journal of Advanced Research in Computer Engineering & Technology (IJARCET), Volume 3, Issue 9, pp. 3247-3256. September 2014.
- 6) G P Potdar, Dr. R. C Thool, —Heuristic Search with Perspective Data Structure – Revisited & A Case Study of A\*|, CiiT International Journal of Artificial Intelligence Systems and Machine Learning, Issue Volume 7, No 4, pp 116-121. September 2014.
- 7) Trupti B. Mane, Prof. Girish P. Potdar, —An Approach for Template Extraction from Heterogeneous Web Pages|, Proc. of Int. Conf. on Advances in Computer Science, AETACS, Elsevier, pp. 337-347. 2013
- 8) Rutuja S. Lachake, Prof. G. P. Potdar " A Survey on Personalized Search: An Web Information Retrieval System", IJCSIT, Vol. 5 (2) , 1120-1127. 2014
- 9) Manisha S. Ballal, Prof. Potdar G.P, —A Survey on Image Retrieval by Image| IJAIR Vol. 2 Issue 3 ISSN: 2278-7844
- 10) Vishal R. Jaiswal, Girish P. Potdar,| Recent Developments in Super resolution|, International Journal of Computer Science & Engineering Technology - 2011
- 11) VR Jaiswal, GP Potdar, et.al. —Multiframe Image Super-resolution–A Comparison|, International Journal on Computer Science and Engineering 2 (09), 2989-2992- 2010
- 12) Aditi Tripathy, Prof.G.P. Potdar, —A Framework for Providing Selective Permissions to Android Applications|. IOSR Journal of Computer Engineering (IOSR-JCE), Volume 13, Issue 3, PP 53-58, e-ISSN: 2278-0661, p- ISSN: 2278-8727, Aug. 2013.
- 13) Mrs. Manisha Ballal, Prof. Potdar G.P., —Image-to-Image Retrieval with Similarity Measures|, International Journal of Computer Science and Information Technologies
- 14) Santosh Nage, Girish Potdar, —A Survey on Graph Partitioning Techniques| International Journal of Science and Research (IJSR), Volume 4 Issue 9, ISSN (Online): 2319-7064, September 2015.
- 15) Pradnya D. Bormane, Girish P. Potdar, —From Description to Class and ER Diagram to Database Table Generation|, CiiT International Journal of Artificial Intelligent Systems and Machine Learning Vol 7, No 8 Print: ISSN 0974 – 9667 & Online: ISSN 0974 – 9543, 2015.

- 16) M. Emmanuel, D.R. Ramesh Babu, G.P. Potdar, et.al. —Parallel Approach for Content Based Medical Image Retrieval System, Journal of Computer Science 6 (11) 1258: 1258-1262, 2010 ISSN 1549-3636
- 17) M. Emmanuel, D.R.R. Babu, G.P. Potdar, et.al. —Content-based medical image retrieval, IET-UK International Conference on Information and Communication Technology in Electrical Sciences pp. 712 – 717- 2007
- 18) Vishal R. Jaiswal, Girish P. Potdar, et.al, —Recent Developments in Super resolution, International Journal of Computer Science & Engineering Technology (IJCSET).
- 19) Vishal R. Jaiswal, Girish P. Potdar , et.al, —Multiframe Image Super-resolution – A Comparison, International Journal on Computer Science and Engineering (IJCSE), Vol. 02, No. 09, 2010, 2989-2992
- 20) Aditi Tripathy , Prof. G.P. Potdar —A Framework for Providing Selective Permissions to Android Applications, IOSR Journal of Computer Engineering e-ISSN: 2278-0661, p- ISSN: 2278-8727 Volume 13, Issue 3, pp 53-58 - Aug. 2013
- 21) Mohammed Asad , Girish P., —A Survey on Different Clustering Techniques for Web Usage Mining, IRACST - International Journal of Computer Science and Information Technology & Security (IJCITS), ISSN: 2249-9555 Vol.6, No.2, Mar-April 2016 200
- 22) M. Emmanuel, G.P. Potdar ,—Approach for debugging in a single session GDB, International Conference on Information and Communication Technology in Electrical Sciences (ICTES 2007), 2007 pp. 1043 – 1046
- 23) Poonam R. Kothari, G.P. Potdar, —Extracting Class Diagram from Natural Language Requirement (ECd-NL), CiiT International Journal of Artificial Intelligent Systems and Machine Learning Vol 4, No 7 pp 425-428, 2015.
- 24) Sanket S. Ranaware, Dr. G.P. Potdar, —A Survey on Different Techniques of Classification in Data mining, International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395 -0056 Volume: 03 Issue: 05 | May-2016 www.irjet.net p-ISSN: 2395-0072
- 25) Trupti Bhosale, Girish Potdar, —Performance Analysis of Cassandra With Regards To Cryptography Technique, CiiT Wireless Communications, Vol 6, No 6 pp 223-226, 2014.
- 26) Lachake, R. S., Potdar, G. P., —A survey on personalized search: an web Information retrieval system, International Journal of Computer Science and Information Technologies, Vol. 5, No. 2, 2014, p. 1120-1127.
- 27) Ms. P. D. Bormane & Mr. G. P. Potdar —From Description to Class and ER Diagram to Database Table Generation CiiT International Journal of Artificial Intelligent system and Machine Learning, Vol 7, No. 08, August – September 2015
- 28) Prof. Emanuel, Prof. G.P. Potdar, —Spoken Word Recognition for Noisy Environment CITICOMS at Coimbatore Aug 2007
- 29) Mr.Sachin Pande, Ms. Deepali Londhe, Prof. G.P. Potdar —Blood Cell Analysis with Special Reference to a Falciparum Malaria Parasite, International Conference on Advances in Computer Vision and Information Technology 28-30<sup>th</sup> Nov 2007, Aurangabad.
- 30) Trupti B. Mane , Prof. Girish P. Potdar, —Template Extraction from Heterogeneous Web Pages, International Journal of Advanced Computer Research (ISSN (print): 2249-7277 ISSN (online) : 2277-7970), Volume-2 Number-4 Issue-6 December-2012.
- 31) Jivan Y. Patil, Girish P. Potdar -- Conversation Modeling with Neural Network, Asian Journal of Research in Computer Science, 1(3): 1-10, 2018.

32) Suhas Bhattu1\* and G. P. Potdar -- Activity Planner Using SAP OpenUI5 Application Framework, Journal of Advances in Mathematics and Computer Science, 23(2): 1-12, 2017; Article no.JAMCS.34711

#### V. BOOKS PUBLISHED :

Sr No.	Name of the Book	Year of Publication
1	Data Structures and Files	Jan 1998
2	Numerical and Computational Programming	June 1998
3	Numerical Methods	June 1998
4	Computer Graphics	Dec 1999
5	Principals of Programming Languages	May 2000
6	Computational Methodology	Dec 2000
7	Data Structures and Algorithms,	Dec 2002
8	Data Structures,	Feb 2003
9	Fundamentals of Data Structures	June 2004
10	Data Structures and Algorithms	Aug 2004
11	Programming Paradigms and Methodology	Sept 2004
12	Data Structures and Files (Revised Computer),	Dec 2005
13	Programming Paradigms and Methodology (IT),	Dec 2005
14	Data Structures and Files(E & Tc)	Dec 2005
15	Data Structures and Algorithms	Dec 2005
16	Fundamentals of Data Structures(Revised)	July 2007
17	Programming Paradigms and Methodology (Revised)	July 2007

#### MEMBERSHIP OF TECHNICAL BODIES.

- a) Member of IEEE.
- b) Member of Indian Society for Technology in Education(MISTE)
- c) Member of Computer Society of India. (MCSI)

#### MEMBER OF EXPERT COMMITTEES/ EXPERT INVITEE

- a) Member of Board of Studies at University of Pune for Computer Engineering.
- b) Invitee Member for Board of Studies at University of Pune for Information Technology Engineering.
- c) Worked as Vice Chancellor nominee/Subject Expert for Staff Selection Committee at University of Pune for Computer Engineering, Information Technology Engineering, Master of Computer Application for Past 12 Years.
- d) Worked as Member for Local Enquiry Committee at University of Pune for Various Engineering Colleges.
- e) Worked for Board of Studies Panel Creation and was Committee In charge for the same.
- f) Worked as member for ME (Computer) and ME (IT) Course Structure Design.

## **RESPONSIBILITIES AND CONTRIBUTION TOWARDS INSTITUTION**

- a) Worked as Head of IT Department from 2002 to 2011.
- b) Worked as Head of IT Department and Vice-principal from 2006 to 2012.
- c) Worked as In-charge Principal for 2 years.
- d) Worked as Convener for National Level BE Project Competition (INC) for last 14 Years.
- e) Worked as Coordinator for COLAMA Coriolis Virtualization Systems.
- f) Worked as Coordinator for K-POINT Software (Virtual Class Room) Product.
- g) Worked as Coordinator for Seminars/Projects etc. in Computer Department.
- h) Worked as Coordinator for TEQIP proposal preparation.
- i) Oracle WDP Course Coordinator.
- j) Distance Learning Course Evaluator (BITS- Wipro).
- k) GRE, GATE, GMAT, KLE Entrance Exam, TOFFEL-Exam Center Coordinator.
- l) Developed admission software for PICT (2002-2003).

## **LEADERSHIP**

- a) Lead role in Industry Initiative for IBM, GS LAB, CORIOLIS, SAS, DREAMS GROUP and AMDOCS.
- b) Initiative taken for PICT Tech Circle.
- c) Instrumental in Bringing Major Companies like Microsoft, AVAYA, 2WIRE, STARENT, IBM and AMDOCS for Technical Collaboration.
- d) Initiating IBM stipend for ME Students.
- e) Subject head for FDPs.

## **WORKSHOPS/SEMINARS ORGANIZED.**

- a) Workshop on Microsoft .NET in Sept 2004
- b) Workshop on Win runner in Sept 2004
- c) Workshop on 3D Max in Oct 2004
- d) Workshop on Windows OS Internals in Nov 2008

- e) Workshop on IBM DB2 in Nov 2008
- f) Workshop on SE IT syllabus discussion and design in Nov and Dec 2008.
- g) Workshop on —Massively empowered classroom workshop for Design and Analysis of Algorithms in association with Microsoft.

**EXPERT LECTURES DELIVERED:**

- 1) Expert lecture session on —Data Structures and Algorithms, at Coimbatore (2007).
- 2) Expert lecture session on —Data Structures and Algorithms, at G H Raison College of Engineering Pune (2008).
- 3) Expert lecture session on —Project Management, at Rajharshi Shau College of Engineering Pune (2002).
- 4) Expert lecture session on —Basic Technical approaches for Problem Solving, at Pimpri Chinchwad College of Engineering Pune (2003).
- 5) Expert lecture session on —Kernel Device driver Development —, at Army Institute of Technology ,Pune (2003).
- 6) Expert lecture session on —Object Oriented Design, at Smt. Kashibai Navle College of Engineering Pune(2004).
- 7) Expert lecture session on —Kernel Device Driver Development, at Smt Kashibai Navle College of Engineering Pune (2004).
- 8) Worked Panelist at Cognizant Technologies Pune on the topic —Entrepreneurship is Innate or Educated (2005)
- 9) Worked as resource person for —Faculty Development Program, Jointly organized University of Pune and Persistent Systems Pune.(2006)
- 10) Guidance on NBA new format to Atharva COE Mumbai (2014)
- 11) Worked as a resource person for FDP of revised subject —Data Structure and Files, organized by AISSMS, in association with BOS, IT, UoP, on 20<sup>th</sup> December 2013.
- 12) Worked as a resource person for seminar on —System Software, Application Software and their trends organized for T.E. students (2015).
- 13) Resource person Faculty Orientation Workshop-SE(E&TC/ELEX) Revised Syllabus- 2012: Non-linear Data Structures (RSCOE, Pune, 2013-14)
- 14) Resource person Faculty Orientation Workshop -Data Structure- B and B+ trees (Indira College Pune, , 2013-14)

15) Resource person at FDP of revised subject —Data Structure and Files|| (AISSMS, in association with BOS, IT, UoP. , 2013-14)

16) Resource person at FDP on —Applied Algorithms|| (Zeal Education DCOE, Narhe, 2013-14)

### **MAJOR ROLE PLAYED :**

- i. Worked as HOD and played major role in establishing I.T. department.
- ii. Was an active member for defining ISO processes for seminar, CTL and InC.
- iii. Was an active member for defining NBA processes for evaluation system, assessment system and mapping process.
- iv. Created and initiated a feedback system (from various stake holders).
- v. Played key role in introducing UoP approved open elective subject —Business Intelligence and Analytics|| . The contents were jointly built by SAS and PICT.
- vi. Proposal was submitted to AICTE under MODROB Scheme—Software Testing (2014) (16.80 Lakh )
- vii. Organized and conducted two months certificate training course on —Object Oriented Programming (C++)|| for S. E. students from August to November 2013 & is yearly activity.
- viii. Organized and conducted two months certificate training course on —Oracle|| for T. E. students from August to September 2012.(a periodic activity)

**MOUs:** Played key role in getting Industries association

- i) Coriolis – For lab management system. Along with another staff member helped in identification of system level bugs and fixing them. [2010]
- ii) Amdocs – An innovative lab was set up. There were only 17 such labs setup all over the world. [2006-07]
- iii) SAS Technology – SaS Language lab was setup in the department[2014]
- iv) SAS Technology – Open elective —Business Analytics|| offered to P.G students. [2013]
- v) ETH Digital Campus – Complete college M.I.S system was developed and being used. [Since 2010]
- vi) eQ Technologies – Initial discussions for setting up a lab is complete .

## **PROJECTS DEVELOPED:**

1. **CO-PO ATTAINMENT GENERATION** – In determining the student attainment level (as per NBA guidelines), this project was designed and implemented and being used. [2014].
2. **TRANSCRIPT GENERATOR**—Project to help college office for generating transcripts for the students. [2004].
3. **MOTOROLA CODE TO C CONVERTOR** – This was an in-house project, developed to convert the code written for Motorola processor to its equivalent code in C. The system was designed in C language. [2002]
4. **DOCUMENT CONTROL SYSTEM** – A product developed for Bharat Forge : This project was designed to help and keep track of design sheets in the system. The project was developed in Foxpro. [1995]
5. **AUTOMATION OF SUGAR FACTORY FUNCTIONALITIES** – a project was designed for automating few functionalities of sugar factory ( in Belgaum district ). This was developed in Dbase-IV. [1993]

## **PROJECTS GUIDED/GUIDING.**

- More than 75 projects guided at UG level and 20 at PG level

## **AWARDS /ACHIVEMENTS**

- a) —Best Teacher Award|| by IT Alumni.
- b) Er . Shirke award 2013, for best research project work. [Jointly awarded by CWPRS, Geo-informatics center and CDAC, Pune].
- c) A text book —Data Structure and Files|| was selected as reference book at St. Johns University, UK 2006.