

CURRI CUL U MVITAE/BIO –DATAOF
Dr. PANDARINATHPOTLURI



Professor of Computer Science &
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CURRICULUMVITAE/BIODATA

Personal Information:

Name : **Dr.P.PANDARINATH**
Father's Name : P.Satyanarayana
Mother's Name : P.LakshmiSowbhagyamma
Date of Birth : 03- 08-1970
Nationality : Indian
Marital Status : Married
Address for communication : Flat No.504,S S Residency,
SS Layout, Endada
Junction, Visakhapatnam-
530045.
Vizag District, A.P, India.
Languages known : Telugu, English, Hindi & Kannada
Hobbies : Managing and coordinating events,
Painting , Listening
Music, Reading Books & Maga-
zines.

Professional Profile:

Eager to bring Engineering students into the twenty first century using a unique combination of educational experience coupled with 23 years Teaching background in Computer Science & Engineering.

- ❖ Completed Ph.D. in Andhra University in 2012.
- ❖ Completed Master's Degree in CSE and Bachelor's Degree in CSE.
- ❖ Dedicated to enthusiastic and dynamic teaching.
- ❖ Nurturing a lifelong love of knowledge in children.

ACADEMIC/PROFESSIONAL QUALIFICATIONS:

- ❖ Completed Ph.D. in Andhra University in 2012
- ❖ Completed M.Tech (computer science & engineering) from Visveswariah Technological University Belgaum with 70.18%, in the year 2004.
- ❖ Completed B.E. in Computer Science & Engineering, Gulbarga University, Gulbarga, PDA College of Engineering in 1994.

DetailsofExperience:27Years

Designation	PeriodofExperience	Nameof theInstitution&Address
Lecturer	August1994 to June2001	SirCRRInstitution,Eluru
SeniorLecturer	Aug2002 to June 2004.	RVR&JCCollegeofEngineering,Guntur
HOD	June2004 to 2006 December	SriPrakashCollegeofEngineering
Associate Professor	December2006to2012September	SirCRRReddyCollegeofEngineering,Eluru.
Professor	17-09-2012to6-02-2014	GudlavalleruEngineeringCollege, KrishnaDt.
Principal	10-02-2014to04-12-2015	KITSKodadaEngineeringCollege,Kodada.
	07-12-2015to02-03-2017	GunturEngineeringCollege,YanamadalaGuntur.
	6thMarch, 2017 to Dec2021	ChalapathiInstituteofEngineeringandTechnology,Lam,Guntur
Professor	18 June 2021 to till date	Swarnandhra College of Engineering and Technology, Narasapur.

KeyQualifications:

Planandinstructeachareaofsubjectusingwidevarietyofteachingaids,motivationalandimplementationstrategies to engage students in active learning. Incorporate learning modality principles into classroom and individual instruction. Develop and conduct inter-grade activities. Utilize Heath automated math management system. Implement technological approaches to subject material. Research educational resources on the Internet. Assist with information retrieval.

ExperiencedComputerEducator:

Designed and conducted various faculty and student workshops for training in Network and Network Securities. Instructed corporate personnel in use of Network Security and drafting programs for Network Security methods.

SKILLSPROFILE

CommunicationSkills

- ❖ Prepared and conducted 4 assessed 20 minute presentation to my tutor group as part of my course using PowerPoint

- ❖ Developed succinct Report Writing Skill through project assignments
- ❖ Learnt to speak efficiently in formal meetings through my course representative duties
- ❖ Experience of dealing effectively with a wider range of customer through working educational a good organizations Employ lotsofstudents

Computer Skills

Operating Systems	MS-DOS, Windows 3.1, 95, 98, NT 3.5, NT 4.0, Windows 2000, Windows 2003, Windows XP, Windows 7, UNIX Services Novell Net ware 3, 4 & 5, SCO UNIX, Red Hat Linux.
Networking	LAN, WAN, TCP/IP, LATNET, WINS, DHCP, DNS, NIS, NFS, SAMBA, Active Directory, ISDN DSL, T1, T3 & Frame Relay and Fax Server.
Network Applications Software :	SQL, Exchange, OWA, Netback up, Arch serve, SAP R3, MAS 90, Minitrack, Caldwell Spartan, Vantage Vista, Front Office, Back Office.
Hardware	IBM, Sun, HP, Compaq, Dell, Servers/Terminals/Printer operations
Programming Languages	Visual Basic, SQL, Oracle, Access, COracle, C++, JAVA, ODBC, VBScript, Clear Case, PVCS, Clear Quest. Data Warehousing, Business Objects
Desktop Application Software	MS Word, Excel, Outlook, PowerPoint, Project

Computer Related Teaching Programs:

"Attended Workshops in IIT Hyderabad, IIT Kharapur, IIT Madras, IIT Kanpur and Anna University, Chennai."

Summary of the Teaching and other Duties in the College:

A) I) Subject taught/Teaching at present:

- ❖ Computer Organization
- ❖ Database Management Systems
- ❖ Operating Systems
- ❖ Computer Networks
- ❖ Network Security

- ❖ HighSpeedNetwork
- ❖ TCP/IPinternalProtocols
- ❖ ParallelComputing
- ❖ AdvancedComputerArchitecture
- ❖ DesignandAnalysisof Algorithms
- ❖ PrinciplesofProgrammingLanguages
- ❖ DigitalLogicDesign
- ❖ Bio–Informatics

II)LaboratoriesHandled:

- ❖ NetworkSecurity Lab
- ❖ DatabaseManagementSystemLab
- ❖ DataCommunicationsNetworkProgrammingLab
- ❖ OperatingSystem Lab
- ❖ ComputerOrganizationLab

ProjectsGuided:

B.TechProjects:

- ❖ VirtualRoutingNetworkEmulationFramework
- ❖ Design
ofaRobustandSecureDigitalSignatureSchemeforImageauthenticationoverWireless
- ❖ AUnifiedApproach to Optimizethe Performancein Networks Serving
theHeterogeneousFlows
- ❖ BlockingMisbehavingUsersinAnonymisingNetworks
- ❖ MessageEncryptionSchemeUsingCheatingText.
- ❖ ADistributed Algorithm for Constructing
ApproximateMinimumSpanningTreesinWirelessSensorNetworks.
- ❖ EnsuringDataStorageSecurity inCloudComputing.
- ❖ BandwidthEstimationfor IEEE802.11-BasedADHOCNetworks.
- ❖ SafeandSecureInternetBankingSystem.
- ❖ VirtualClassRoom.
- ❖ OnlineSalesand InventoryManagement.

2. M.Tech Projects Guide and Coordinator:

- ❖ Ensuring Data storage security in cloud computing
- ❖ Monitoring online tests through data visualization
- ❖ Minimizing Additive Distortion in Images.
- ❖ Preprocessing and unsupervised approach for web usage Mining.
- ❖ A Novel approach to Social Networking to ensure privacy & make profit.
- ❖ Quality preferences using Ranking Spatial Data.
- ❖ Congestion detection and control routing Algorithms in Wireless Sensor Networks.
- ❖ Distributed state Rate information in Multi-Input Multi-Output Network Systems.
- ❖ Selfish Overlay network Creation and maintenance.
- ❖ Jamming-Aware Traffic Allocation for Multiple-Path Routing Using Portfolio Selection
- ❖ Embedded Extended Visual Cryptography Schemes for Secret Image.
- ❖ AK-Anonymity privacy-preserving Location Monitoring System for Wireless Sensor Networks.
- ❖ Selective Data Stream Blocking Mechanism for Networks.
- ❖ Dynamic Channel Allocation for Wireless Zone Based Multicast and Broadcast Service.
- ❖ Delay Analysis and Optimality of Scheduling Policies for Multi-Hop Wireless Networks.
- ❖ Design and performance Analysis of Mobility Management Schemes based on Pointer Forwarding for Wireless Mesh Networks.
- ❖ Geographical Routing with location Service in Intermittently connected MANETS
- ❖ Codes: A Collaborative Spam Detection System with a Novel E-mail Abstraction Scheme
- ❖ Adaptive Cluster Distance Bounding for High Dimensional Indexing

Administrative Experience:

- Working as a Professor in CSE Department, Swarnandhra College of Engineering and Technology, Narasapuram from 18/06/2021 to Till Date.
- ❖ Worked as a Principal of Chalapathi Institute of Engineering and Technology from (6th March, 2017 to 30/5/2021)
- ❖ Principal and Coordinator for NAAC and NBA Accreditation. The Institution was accredited with NAAC-A Grade and NBA for 4 Branches (CSE, ECE, EEE and CE).
- ❖ 100% of admissions are achieved in the Academic Years of 2017-18 and 2018-19.
- ❖ Member of Board of Studies in Department of CSE in Acharya Nagarjuna University, Guntur.
- ❖ Improved the image and financial position of the institution.

- ❖ Previously worked as a Professor in CSE Dept & Principal, KITS Kodada Engineering College for 2 years
- ❖ Previously worked as a Professor in CSE Dept & Principal, Guntur Engineering College for 2 years
- ❖ Worked as Coordinator for NAAC & NBA Gudlavalluru Engineering College.
- ❖ 2+ years of experience as a Head, Department of CSE in Sri Prakash College of Engineering at Tuni.
- ❖ Involved in faculty recruitment in Computer Science & Engineering, Sir CRR College of Engineering, ELURU and Sir C R R Polytechnic College ELURU.
- ❖ Involved in the process of granting MCA & MBA Courses affiliation of Andhra University at Visakhapatnam for the Sir C R R College of Engineering, ELURU.
- ❖ Involved in Department of Computer Science & Engineering as in-charge 2+ years in Sir CRR College of Engineering Eluru.

Other Duties:

- ❖ Organized and acted as “Techfest Co-Convener” for National Level Symposium in student paper contest & Technical events like online ‘C’, Quiz and Product exhibition etc. in the year, called TECHFEST– 2010 at Sir C.R.R. College of Engineering, Eluru
- ❖ Organized and acted as “Techfest Convener” for National Level Symposium in student paper contest & Technical events like online ‘C’, Quiz and Product exhibition etc. in the year, called TECHFEST–2011 at Sir C.R.R. College of Engineering, Eluru
- ❖ M.Tech Coordinator in Computer Science & Engineering at Sir CRR College of Engineering, Eluru.
- ❖ Examination section In-charge in Department of Computer Science & Engineering year of 2010 -2012.
- ❖ Organized many workshops and seminars for staff and students.

Areas of Special Interest: Network, Network Security & Database Management Systems

01	A Variable Length Data Encryption Technique using Square Grid Transposition with Key Wrapping	IJCSNS International Journal of Computer Science and Network Security		May-2010		3	no
02	A Lightweight Secure Trust-based Localization Scheme for Wireless Sensor Networks	International Journal of Computer Science & Information Security	ISSN1947-5500	June-2010		2	yes
03	Computational Study of Viral Segments Inserted within the Regions of Human Genome	Journal of Computer Science & Systems Biology	ISSN:0974-7230	2010		2	yes
04	Bioinformatic Approach for the Identification of Hepatitis B Viral Insert in The Exon Region of Human Genome	Journal of Computer Science & Systems Biology	ISSN:0974-7230	2010		2	yes

05	Location Identification in Mobile Wireless Distributed Sensor Networks using Anchor Nodes	International Journal of Computer Science Information and Engg., Technologies	ISSN 2277-4408	2011	0.569	2	yes
06	A Python Based Hydrophilicity Plot to Assess the Exposed and Buried Regions of a Protein	Proteomics & Bioinformatics	ISSN: 0974-276X	2011		2	yes

07	An Auto adaptive Edge-Detection Algorithm for Flame and Fire Image Processing	International Journal of Computer & Organization Trends (IJCOT)	ISSN:249-2593	May-2012	0.421	2	no
08	Robust and Oblivious Water marking based on Swapping of DCT Coefficients	(IJAIEEM)	ISSN2319-4847	July-2013	2.379	3	yes
09	An efficient image reconstruction of with the aid of PSO & DWT	IRECOS	ISSN1828-6003	August-2013	6.14	2	no
10	Improved Password Authentication System against Password attacks for web Applications	(IJCTT)	ISSN:231-2803	August-2013	0.569	1	yes
11	Robust and Oblivious Image Watermarking Algorithm Based on Discrete Cosine Transform	International Journal of Computer Science Information and Engg., Technologies	ISSN2277-4408	Feb-2014		3	no
12	A NEW IMAGERECONSTRUCTION TECHNIQUE WITH HAID OF IPSO (IMPROVED PARTICLE SWARM OPTIMIZATION) AND DWT (DISCRETE WAVELET TRANSFORM)	Journal of Theoretical and Applied Information Technology	ISSN:1992-8645	May-2014		2	no
13	Cross-Domain Search for Policy Anomalies in Firewall	International Journal of Computer Applications	(0975-8887)	Oct-2014		2	no

14	An image reconstruction technique based on IPSO-DWT under varying crack	Journal of Intelligent & Fuzzy Systems	ISSN:1064-1246	2015		3	no
15	Malicious Adversary Decision Making For Complex Infrastructures	(IJTR) INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND RESEARCH	ISSN:4558-4560.	Nov-2016		2	no
16	Power Quality Improvement by using Fuzzy Logic Controller for SHPF and TCR	I J C T A	ISSN:2229-6093	2017		4	no
17	Real Time monitoring Application for Physically Challenged Persons using sEMG	International Journal for Modern Trends in Science and Technology (IJMTST)	ISSN:2455-3778	June - 2017	Yes 3.1	4	no
18	A Combined Machine Learning and Deep Learning Techniques based Approach for Fake News Spreaders Detection	International Journal of Novel Research and Development (IJNRD)	2456-4184	Dec 2022	Yes 8.76	3	yes
19	Energy Efficient Intrusion Detection in a heterogeneous environment of Wireless sensor networks	NeuroQuantology	1303-5150	Oct 2022	0.453	5	no
20	A Combined Approach for Fake News Spreaders Detection using stylistic and N-Gram Features	JASC: JOURNAL OF APPLIED SCIENCE AND COMPUTATIONS	1076-5131	Dec 2022	5.8	3	no

Publications: Journals: 20

❖ "A Lightweight Secure Trust-Based Localization Scheme for Wireless

Sensor Networks" (Paper ID: 27051042) Published In IJCSIS Vol.8 No.3 June 2010

- ❖ “A Variable Length Data Encryption Technique Using Square Grid Transportation with Key Wrapping” Published In IJCSNS. VOL 10 No.5, May 2010
- ❖ “Computational Study Of Viral Segments Inserted Within The Regions Of Human Genome” Published In Journal Of Computer Science And System Biology
- ❖ Bioinformatics Approach for the Identification of Hepatitis B Viral Insert in the Exon Region of Human Genome" Published In Journal Of Computer Science And System Biology. Volume 3(4)089-090(2010)-089
- ❖ Location Identification in Mobile Wireless Distributed Sensor Networks using Anchor Nodes. ISSN 2277-4408(2011)
- ❖ A Python Based Hydrophilicity Plot to Assess the Exposed and Buried Regions of a Protein. volume 4(7), 145-146(2011)

- ❖ An Autoadaptive Edge-Detection Algorithm for Flame and Fire Image Processing. ISSN: 2249-2593 (May 2012)
- ❖ Robust and Oblivious Watermarking based on Swapping of DCT Coefficients. ISSN 2319 – 4847 (July 2013)
- ❖ An efficient image reconstruction of with the aid of PSO & DWT. ISSN 1828-6003 (August 2013)
- ❖ Improved Password Authentication System against Password attacks for web Applications. ISSN: 2231-2803 (August 2013)
- ❖ Robust and Oblivious Image Watermarking Algorithm Based on Discrete Cosine. ISSN 2277-4408 (Feb 2014)
- ❖ A NEW IMAGE RECONSTRUCTION TECHNIQUE WITH AID OF IPSO (IMPROVED PARTICLE SWARM OPTIMIZATION). ISSN: 1992-8645 (May 2014)
- ❖ Cross-Domain Search for Policy Anomalies in Firewall. (0975–8887) Oct 2014
- ❖ An image reconstruction technique based on IPSO-DWT under varying crack. ISSN: 1064-1246 (2015)
- ❖ Malicious Adversary Decision Making For Complex Infrastructures. ISSN: 4558-4560. (November 2016)
- ❖ Power Quality Improvement by using Fuzzy Logic Controller for SHPF and TCR. ISSN: 2229-6093 (2017)
- ❖ Real Time monitoring Application for Physically Challenged Persons using EMG. ISSN : 2455-3778 (June 2017)

International conference papers: 03

- ❖ Hepatitis B Virus X Protein Impedes The DNA Repair
- ❖ Application of Statistical Experimental Design in Citric Acid Production. ISSN 0976 – 1590 Vol. 01 No. 01 January 2010 pp 137-140
- ❖ “Secure Localization with Defense Against Selective Forwarding Attacks in Wireless Sensor Networks” published in IEEE Conference. 978 – 1 – 4214 – 8679 – 3/11/\$26.00 @ 2011 IEEE

C) Workshops/Seminars/Conferencesconducted/attended

- ❖ AttendedfiveInternational,andmanyNational conferences,workshopsandseminars

D) Book Publication:

- ❖ Dr. P Pandarinath, Dr. P Sirish Kumar, Mrs. ChandrikaChalla and Mr. K. Venkanna Naidu are authors of text book titled as “Data Communications & Networking” published by Sree Publication House, Visakhapatnam, 2022.

DECLARATION

Iherebyaffirmthatthedetailsfurnishedabovearetrueandcorrecttothebestofmyknowledgeandbelief.

Date:13-09-2019

Signature

(PANDARINATHPOTLURI)

Encl:References

References:-

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