



Prof. Priyadarshi (Piyu) Tripathy

Designation: Professor (Retd.)

Qualification: M.Phil. (System Science) JNU,
M. Math (CS) Waterloo, PhD (EE) Montreal

Date of Birth: 15.08.1958

Date of Joining: 03.07.2024

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ORCID:

VIDWAN:

WOS:

➤ **Area of Interest**

Computer Networks, Cybersecurity, Software Engineering

➤ **Courses taught**

Computer Networks, Computer Network Security, Block Chain, Software Engineering, Software Evolution, Software Testing and Quality Assurance, Protocol Validation and Verification, Programming in C, Prolog Programming, Complex Analysis, Discrete Mathematics, Numerical Analysis, and Functional Analysis.

➤ **Career**

Organization/Institution	Designation	Duration	Role
1. NIST, Berhampur	Principal	2021-2023	Head of the Engineering College
2. Ravenshaw University	Professor	2016- 2021	Dean, SICS
3. TITE (Eng. College)	Professor	2010-2016	Research and Management.
4. NEC Labs, Princeton, USA	Senior Manager	2007-2010	Head, HYDRAsTOR Project.
5. CounterStorm, NY, USA	Senior Manager	2005-2007	Testing of Security Products (IDS/IPS).
6. Airvana, Chelmsford, USA	Senior Manager	2001-2004	Head of the EV-DO Validation Group.
7. Cisco Systems Inc, USA	Manager	1997-2001	Head of Router Validation Team.
8. Nortel Networks, Canada	Team Leader	1995-1997	Developed S/W for ATM Switch.
9. Eicon, Montreal	S/W Developer	1993-1995	Developed Application Software for Windows and OS/2 Operating Systems.

➤ **Teaching Experience**

Ten (10) Years

➤ **Research/Industry Experience**

Twenty five (17) years

➤ **Administrative/Executive Experience**

Sl No	Post	Organization/ University	Duration		Experience (in Years and Months)
			From (Date)	To (Date)	
1	Board of Directors	Knowledge Trust	1/06/2010	20/7/2017	7 years
2	Chairman, Governing Board NIST Autonomous	NIST Autonomous	1/18/2021	31/08/2023	2 years and 7 months
3	HoD of ITM, and IST	Ravenshaw	1/09/2016	15/01/2021	4 years

		University			
4	Director/Principal/Head of a PG Department/	TITE/BPUT	30/04/2010	12/07/2016	6 years
5	Chairman, Board of Studies	ITM, IST, and ETC Departments/RU	1/09/2016	15/01/2021	4 years
6	Member, Board of Studies	Computer Science Dept. / Ravenshaw Univ.	1/09/2016	15/01/2021	4 years
7	Dean, School of Information and Computer Science (SICS)	Ravenshaw Univ.	14/07/2017	15/01/2021	3 years
8	Member of Academic Council	1. BPUT 2. Ravenshaw Uni	30/04/2010 14/07/2016	12/07/2016 15/01/2021	6 years 4 years
9	Center Superintended of BPUT examination Center Superintended of RU examination	TITE/BPUT Ravenshaw Univ.	30/04/2010 1/09/2016	15/09/2011 15/01/2021	1 year 4 years
10	Chairman, Department Research Committee	Computer Sci. Dept., Ravenshaw	1/09/2016	15/01/2021	4 years
11	Placement Director	Ravenshaw Univ.	4/15/2018	15/01/2021	
12	Senior Manager	NEC Labs, Princeton, USA	15/01/07	30/06/09	2 years
13	Senior Manager	CounterStorm, NY, USA	7/03/05	22/11/06	2 years
14	Senior SQA Manager	Airvana, Chelmsford, MA, USA	1/04/01	30/7/2004	3 years
15	Manager	Cisco, MA, USA	3/03/97	6/04/01	4 years

➤ Awards & Honors

1. Awards: NEC Labs, America, Inc. FY2007 Technology Commercialization award
2. Honors: Airvana's bug hunting award.
3. Research Fellowships: National Scholarship, CSIR Scholarship.
4. International Fellowships Awarded: Canadian NSERC Scholarship from 1988-1993, during my Ph.D.
5. Visiting Lecturer Title: Visiting Professor, Central University, Koraput, Dept. of Computer Science, 2019.

➤ Membership in editorial board: None

➤ Membership in Scientific Societies: Odisha Mathematical Society, Odisha Computer Society

➤ Research Guidance

Name of the Program	Awarded (No) (under progress not to be included)
M.Tech.	2
M.Sc.	15

➤ New Syllabi

1. Design course syllabi for the B.Sc. Data Science Management program at Ravenshaw University.
2. Introduce new courses in M.Sc. ITM program: Software Evolution, Green IT, IT Infrastructure Design, Cloud Computing and IoT.
3. Design course syllabi for the M.Sc. Data Science program at Berhampur University

➤ **Research Grants**

✓ **Ongoing Research projects:** None

✓ **Completed Research projects**

SI No	Client / Organizations name	Nature of projects	Duration of project	Amount of grant (Rupees)
1	John Wiley & Sons, Hoboken, NJ/NEC	Study and develop a manuscript on software evolution and maintenance research for the past three decades	2 years	20 thousand US dollars
2	John Wiley & Sons, Hoboken/CISCO	To write a textbook on software testing and quality assurance	3 years	30 thousand US dollars

✓ **Publications**

Total Publication: Five (5)

✓ **Journal publications**

1. Analysis and representation of test cases generated from LOTOS. Computer Communication, 18(7), 1995.
2. Test Generation from LOTOS Specification. IEEE Transactions on Computers, 40(4), 1991.

✓ **Publication of Books/book chapters**

1. Software Evolution and Maintenance: A Practitioners Approach, Wiley, Hoboken, NJ, USA, 2015, 416 pages.
2. Software Testing and Quality Assurance Theory and Practice, Wiley, Hoboken, NJ, USA, 2008, 616 pages.
3. New Paradigms in Internet Computing (Edited) Springer, 2013, 79 pages.

✓ **Full paper in conference proceedings**

1. Generation of Adaptive Test Cases from Nondeterministic Finite State Models. Protocol Test Systems, 1992.
2. Test Generation from Protocol Specification. FORTE 1989.

✓ **List of Patents:** None

➤ **Participation in major conferences & seminars (as invited/plenary/chair)**

		Number(s)
Plenary Lecture/ Invited Talks	International	3
	National	3
	National	2
Examinership etc.	International	1
	National	2
Other (Specify) Organized 21 st State level Children's Science Congress at Knowledge Campus, Khurdha, November 2013.	International	
	National	1