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# Dr. Sarat Kumar PATRA



Professor & Director, Indian Institute of Information Technology Vadodara

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DOB - 14 July 1964

## COMMUNICATION DETAILS

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LINKEDIN	:	<a href="https://www.linkedin.com/in/sarat-kumar-patra-b259b52">sarat-kumar-patra-b259b52</a>
G-SCHOLAR	:	<a href="#">Citations:1526, h-Index:17, i10-Index:46</a>
R-GATE	:	<a href="#">ResearchGate</a>
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SCOPUS	:	<a href="#">9636006200</a>

## MEMBERSHIP OF PROFESSIONAL SOCIETIES

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Senior Member, IEEE (40028516); Fellow, IETE (F060997); Fellow, IE (F1287594); Life Member, CSI (00071725); Life Member, ISTE (05050).

## EDUCATION

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1998	PhD (ELECTRICAL ENGINEERING), <b>University of Edinburgh</b> , Edinburgh, UK (Through Commonwealth Scholarship) Thesis: "Development of Fuzzy Based Channel Equalizers"
1992	M.Sc (ENGINEERING), Specialization in ELECTRONICS SYSTEMS AND COMMUNICATIONS <b>National Institute of Technology</b> , Rourkela,(formerly "Regional Engineering College") Odisha Thesis: "Development of Neural Network based Adaptive Equalizers"
1986	B.Sc (ENGINEERING), in ELECTRONICS AND TELE-COMMUNICATION Engineering <b>Veer Surendra Sai University of Technology</b> , formerly "University College of Engineering (UCE)", Sambalpur, Odisha

## WORK EXPERIENCE

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Employer	Post Held	Pay Scale	Period of Employment	
			(From)	To
IIIT Vadodara	Prof & Director	Level 17 (7 <sup>th</sup> CPC)	05-08-2017	Till Date
NIT Rourkela	Professor	PB-IV, AGP-10,000	01-07-2006	04-08-2017 (On Lien)
NIT (REC) Rourkela	Lecturer to Associate Prof.	2200 to PB-IV, AGP- 9000	16-3-1989	30-6-2006
DRDO	Scientist-B	2200-4000	29-9-1986	15-3-1989

## RESEARCH PROJECT UNDERTAKEN

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1. Development of a Hand Gesture Based Interface System for Remote Controlled Surveillance Mobile Robot, (Rs. 28 Lakhs, 2016, DRDO, Completed).
2. Consequence analysis and risk assessment for radiation hazards at Integrated Test Range, Chandipur, India, (Rs. 9.2 Lakhs, 2012, ITR-DRDO, Completed).
3. FPGA based standalone tunable Fuzzy Logic Controller module, (Rs. 28 Lakhs, 2011, BRFS- Ahmedabad, Completed).
4. CARS project on Design and testing of BASE-BAND and RF front end for IEEE802.15.4 Zigbee standard, (Rs. 7.5 Lakhs, 2010, Anurag-DRDO, Completed).
5. CARS project on Development of Data acquisition system for OTO-Melara naval gun, (Rs. 7.8 Lakhs, 2010, PXE-DRDO, Completed).
6. CARS project on setting up comprehensive data network system for transmission of video, voice data synchronized with time, (Rs. 9 Lakhs, 2009, PXE-DRDO, Completed).

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7. National mission project on education through ICT, development of suitable pedagogical methods for various classes of intellectual caliber research in e-learning course development for mobile communications, (Rs. 10 Lakhs, 2009, MHRD, Completed).
  8. Development of Mobile Communication Receiver algorithms on Embedded systems using Real Time Operating System, (Rs. 12 Lakhs, 2005, MHRD, Completed).
  9. Development of Adaptive Fuzzy System Based Receivers for Direct Sequence Code Division Multiple Access (DS-CDMA) Communication Systems, (Rs. 7 Lakhs, 2002, MHRD, Completed).

## CONSULTANCY PROJECT

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1. Technical and Functional Testing of the customized GAGAN Enabled GPS PDAs of forest department, (Rs. 1.78 Lakhs, 2015, Govt. of Odisha, Completed).

## ADMINISTRATIVE RESPONSIBILITY

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- Director, IIIT Vadodara (Aug 2017 - Contd).
- Institute's GIAN Coordinator (2015 - 2017, till leaving to join IIIT Vadodara).
- Chairman (Curriculum Development Committee), NIT Rourkela (Jul 2016 - 2017).
- Chairman (Accreditation Ranking), NIT Rourkela (Jul 2015 - Jun 2017).
- Member of BOG, NIT Rourkela (2014-2016).
- Member of Building and Works Committee; NIT Rourkela (2014-2016).
- Dean (Faculty Welfare) NIT Rourkela (Jul 2012 - Jun 2015).
- Chairman (Computer and Networking Purchase Committee), NIT Rourkela (Jul 2012 to till 2017).
- HOD, Dept of Electronics Communication Engineering, NIT Rourkela ( Jul 2008 - Jun 2011 ).
- HOD, Computer Centre, NIT Rourkela ( Jul 2005 - Jun 2008 & Jul 2011 - Jun 2012).

## FOREIGN UNIVERSITY COLLABORATION

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- University of Cape Town, South-Africa (2012), Czech Technical University Prague, Czech Republic (2013), Mondragon University Spain (2014), Instituto Superior Tecnico (IST), University of Lisbon, Portugal (2015).

## THESIS SUPERVISED

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- **PhD Thesis Supervised:** Awarded = 17, Under Progress = 3
- **M.Tech (R) Thesis Supervised:** Awarded = 7
- **M.Tech Project (Thesis) Supervised:**  $\geq 50$

## REVIEWER OF JOURNALS PUBLISHED BY:

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IEEE, IET, Taylor and Francis, National Academy of Science, IETE (Taylor and Francis), Springer: Photonics and Network Communication.

## PUBLICATIONS

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- **Book Published:** 3
- **Publication in Book Chapter:** 6
- **Publication in Journals:** 72<sup>+</sup>
- **Publication in Conferences:** 115<sup>+</sup>