

**ARMY INSTITUTE OF TECHNOLOGY
DIGHI HILLS, PUNE - 15
STAFF PROFILE**



Name of Teaching Staff	Mr. Rahul Desai		
Designation	Asst Professor		
Department	Information Technology Department		
Date of Joining the Institution	01-Jul-2003		
Qualifications with Class/ Grade	UG – BE (E&TC) First Class with Distinction 5 th Pune University Rank	PG – M-Tech (E&TC) – Computer Specialization – First Class with Distinction	PhD- Pursuing PhD from Pune University
Total Experience in Years	Teaching- 13	Industry – 03	Research - Nil
Paper Published in journals	National – 00		International - 11
National	-		
International	<ul style="list-style-type: none"> • Paper titled “Survey of On Demand Routing protocols for Mobile Ad Hoc Network” published in International Journal of IT, Engineering and Applied Sciences Research (IJIEASR) • Paper titled “Configuration of Real Time Linux on EP93XX Platform” published in International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE) Vol. 2, Issue 10 ISSN (Print) : 2319-5940 ISSN (Online) : 2278-1021 October – 2013 • Paper titled “Porting of RTLinuxPro on ARM9 Platform” published in International Journal of Engineering Research & Technology (IJERT)Vol. 2 Issue 9, September – 2013 ISSN: 2278-0181 September – 2013 • Paper titled “MANET with Q Routing” published International Association of Scientific Innovation and Research (IASIR) - International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS) ISSN (ONLINE): 2279-0055 ISSN (PRINT): 2279-0047 February 2013 • Paper titled “Survey of On Demand Routing Protocols for Mobile Ad Hoc network.” Published in International Journal of IT, Engineering 		

	<p>and Applied Sciences Research (IJIEASR) ISSN: 2319-4413 November 2012.</p> <ul style="list-style-type: none"> • Paper titled “Reversible Watermarking on the basis of Invariant Image Classification and Quality Preservation by Histogram Modulation” published in JISET - International Journal of Innovative Science, Engineering & Technology, Vol. 2 Issue 5, May 2015, ISSN 2348 –7968 May 2015 • Paper Titled “A Generic Clustering Framework for the Implementation of High Availability Using Hazelcast” published in International Journal of Electrical, Electronics and Computer Systems (IJEECS), ISSN (Online): 2347-2820, Volume 2, Issue-2, 2014 • Paper titled “Optimized Reinforcement Learning Based Adaptive Network Routing for MANETs” published in Global Journal of Pure and Applied Mathematics. ISSN 0973-1768 Volume 12, Number 2 (2016), pp. 1413-1432 IF: 0.22 • Paper titled “Adaptive Online Network Routing Algorithm Based on Reinforcement Learning” in International Journal of Business Data Communications and Networking (IJBDCN) (070116-044600) Volume 11, Issue 2, Article 3 IF: 0.12 • The Paper titled "Analysis of Reinforcement Based Adaptive Routing in MANET" is published in Indonesian Journal of Electrical Engineering and Computer Science Vol. 18(2), No. 3, June 2016, pp. 684 ~ 694 DOI: 10.11591/ijeecs.v2.i3.pp648-694 published by Institute of Advanced Engineering and Science (IAES) Country : Indonesia IF=0.21 	
Paper Published in Conference	National – 06	International – 12
National	<ul style="list-style-type: none"> • Paper presented on “Implementation of IPSec on x 86 Platforms” in National Colloquium on Novel Approaches in Computing Technology NC’NACT-2012 ISBN: 978-81-820427-1-8 in 20-21 January 2012 Indira College of Engineering and Management, Pune • Paper published on “Analysis of Simulation Environment for Mobile Ad Hoc Network “ in National Conference in Emerging Trends in Engineering and Information technology at D Y Patil College of Engineering, Pimpri • Paper titled “Porting of RTLinuxPro on ARM9 Platform.” Presented in Emerging Trends in Engineering & Management (ETEMS 08) – March 2008. • Paper titled “Deployment of RTLinux on various Platforms” in Signal Processing & Automation (NCSPA 07). pp.227-231 • Paper titled “Adaptive Online Network Routing Algorithm Based on Reinforcement Learning” published at National Conference at AIT, Pune • Paper titled “Analysis of Simulation Environment for Mobile Ad Hoc Network” published at National Conference: National Conference in Emerging Trends in Engineering and Information technology at D Y Patil College of Engineering, Pimpri Dec – 2013 	
International	<ul style="list-style-type: none"> • Paper presented on “Analysis of Routing Protocols for Ad Hoc Networks” in International Conference Circuits, Systems, Communication and Information technology Applications CSCITA - 2014, pp.111,115, 4-5 April 2014 DOI: 	

	<p>10.1109/CSCITA.2014.6839244</p> <ul style="list-style-type: none"> • Paper presented on “Performance Analysis of Ad Hoc Routing Protocols” in 3rd International Conference on Recent Trends in Engineering and technology (ICRTET 2014) ISBN No.: 978-93-5107-220-1, Date :28-30 March, 2014 © Elsevier Publication 2014 • Paper presented on “Reinforcement Learning Approach for Ad Hoc Networks” 3rd International Conference on Recent Trends in Engineering and technology (ICRTET 2014) ISBN No.: 978-93-5107-220-1, Date :28-30 March, 2014 © Elsevier Publication 2014 • Paper presented on “Reinforcement Learning for Adaptive Network Routing” in International Conference on Computing for Sustainable Global Development - INDIACom 2014, pp.815,818, 5-7 March 2014, 0973–7529, ISBN 978-93-80544-10-6 serials and IEEEExplore. • Paper presented on “Deployment of RTLinux on various Platforms.” In IET-UK International Conference on Information and Communication Technology in Electrical Sciences (ICTES 2007), January 2007 p. 1058 – 1062 DOI: 10.1049/ic:20070766 , ISBN: 978 0 86341 937 9, 20-22 Dec. 2007, Dr. M.G.R University, Chennai, India • Paper presented on “Detection Of Buried Mines Using Ground Penetrating Radar Through Data Mining Techniques” in The ASAR-International Conference on Advanced Computer Science and Information Technology ASAR-ICACSIT-2013 Vol.1 Issue:2 ISSN (Print): 2320-2084 15th Feb 2013 • Paper titled “Nano Warehouse: A New Concept for Grain Storage in India” published at InternationalConference: International Conference on GreenComputing Communicationand ElectricalEngineering (http://www.icgceee.com) Mar 2014 • Paper presented on “Survey of Proactive Routing Protocols for Mobile Ad Hoc network.” In International Conference on Recent Trends in Information Technology and Computer Science – 2012 (ICRTITCS-2012) ISBN: 978-81-922978-2-8, 17-18 December 2012. Thakur College of Science and Commerce, Mumbai • Paper presented on “Implementation of IP Security on ARM Platform” in Choice Institute of Management Studies and Research • Paper presented on “Implementation of Internet Protocol Security on ARM9 platform “ in Current Trends and Challenges in Management, Engineering, Computer Application and technology (ICCTCMecat 2012) ISSN: 2249-7455 Vol.1, Issue 6 (III), March 2012, 23-25 March, 2012 Deogiri College Campus, Aurangabad, Maharashtra • Paper titled “High Availability Clustering Frame-work” published in International Conference: Internationalresearch conference on recent advances in engineering and technology (IRCRAET) Mar –2014 • Paper titled “Cooperative Reinforcement Learning Approach for Routing in Ad Hoc Networks” published at International Conference on Pervasive Computing ICPC 2015,Advanced Communication technology and Application for Society, 08-10 Jan 2015 Conference ID: 34448 	
PhD Guide? Give field & University	NA	University-
PhDs/Projects Guided/Evaluated	NA	

Books Published/ IPRs/Patents		
Books	Nil	
IPRs	Nil	
Patents	Nil	
Professional Memberships	IETE	
Consultancy Activities	Nil	
Awards	University Rank Holder in BE & M-Tech. Best Teacher Award in 2011-12 Best Result Award in 2012-13	
Grants Fetched	1,05,000 /- from BCUD	
Interactions with Professional	<ul style="list-style-type: none"> • Completed certification in Database Technology - Oracle with DBA, D2K, Visual basic • Completed certification in Web programming using Java - Web programming, HTML, DHTML, Java Script, Java Language, Advanced Java, RMI, Servlets. • Completed certification in Programming in C,C++ • Attended 2 Weeks summer training programme over NS2 Network Simulation at SKNCOE, Pune. • Workshop on NBA Orientation in Association of the Managements of Un-aided Engineering Colleges held at PVG, Pune. • Attended IBM DB2 and Web sphere course. • Attended workshop of 3 days Linux course. • Attended Workshop on Java Technology during 9 Jan – 11 Jan 2014 • Attended Workshop on “Linux Application and Kernel Programming” during 5 Sep – 7 Sep 2013 • Workshop on PHP on 24 Jul - 26 Jul 2013 • Network Simulation using NS2 27 Feb – 1 March 2013 • MANET Routing Protocols on 21 Jan – 23 Jan 2014 • Syllabus revision Workshop for Software Lab – I on 28 Jun 2014 • Faculty Development Program on Innovation Management on 05 Jul 2014 • Rational Seed Program by IBM, Pune on 23 Jun – 27 Jun 2014 • .NET and C# by Microsoft IT Academy, ATS Infotech Ltd during 12 Jun – 14 Jun 2014 • OPENGL And Animation Tool during 20 Feb – 22 Feb 2014 • Syllabus revision Workshop on 1st July 2014 at MAE, Alandi • Attended two week ISTE Online workshop titled as “Computer Programming” from 5th February 2015, IIT Bombay. • Attended Patent Basics Searching and Filing 2 Day FDP – Workshop from 28th September 2015 to 29th September 2015 	