


DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Name	Mrs. Kulkarni Prakruti Prashant	
Designation	Associate Professor	
Date of Birth	31 March 1978	
Highest Qualification	M.E(Electronics)	
Specialisation	Computer Application	
Teaching experience	19 Years	
Industrial Experience	-	
Email id	prakrutikulkarni1@gmail.com	
Date of joining	18/07/2005	

No .of Papers presented/published (National conferences)	08
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Details	<ol style="list-style-type: none"> 1. National Conference on “Recent Advances in Computers & Communications” on 28th & 29th September 2008. At Vidyalankar Institute of Technology, Wadala, Mumbai, 400037. Title of paper: Wavelet Transform based adaptive image compression on FPGA. 2. National Conference on “Recent Advances in Computers & Communications” on 28th & 29th September 2008. At Vidyalankar Institute of Technology, Wadala, Mumbai, 400037. Title of paper: A Power Line Channel Model for Communication in Home Network. 3. Second National Conference on “Computing, Communication, Electronics & Management”(NCCCEM09) on 20th & 21st March 2009. At College of Engineering & Information Technology, Jalgaon, Maharashtra.. Title of paper: Modeling & analysis of soft handoff algorithm for Cellular mobile system. 4. Second National Conference on “Computing, Communication, Electronics & Management”(NCCCEM09) on 20th & 21st March 2009. At College of Engineering & Information Technology, Jalgaon, Maharashtra.. Title of paper: An overview of orthogonal frequency multiplexing modulation system. 5. Second National Conference on Emerging Trends in Engineering & Technology (SNCETET09) on 2nd & 3rd April 2009. At Rajarajeswari Engineering College Adayalampattu , Chennai. Title of paper: Design Issues of Receivers for the Power-Line Communication Channel. 6. Second National Conference on Emerging Trends in Engineering & Technology (SNCETET09) on 2nd & 3rd April 2009. At Rajarajeswari Engineering College Adayalampattu , Chennai. Title of paper: Broadband access and home networking through powerline networks. 7. National conference on Recent Trends in Computing
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	<p>Technologies-09 (NCRTCT09) on 3rd April 2009. At SCAD College of Engineering and Technology, Tamilnadu - 627 414 Title of paper: Receiver Strategies for the Power-Line Communication Channel.</p> <p>8. National Conference on “Innovations in Electronics & Information Technology” (IEIT-2009) on October 5-6, 2009 At Vidyalkar Institute of Technology, Mumbai Title of paper: Development of OFDM based Broadband Power line Communication.</p>
No.of Papers presented/published (International conferences)	13
Details	<p>1. International Conference on “Advanced Computing and Communication Technologies for High performance Applications” on 24th to 26th September 2008. At Federal Institute of Science and Technology [FISAT] Angamaly, Cochin, Kerala, India. Title of paper: Wavelet Transform based adaptive image compression on FPGA.</p> <p>2. International Conference on “Advanced Computing and Communication Technologies for High performance Applications” on 24th to 26th September 2008. At Federal Institute of Science and Technology [FISAT] Angamaly, Cochin, Kerala, India. Title of paper: A Power Line Channel Model for Communication in Home Network.</p> <p>3. Second International Conference on Emerging Trends in Engineering (SICETE) on 22nd & 23rd February 2013 At Dr. J. J. Magdum College Of Engineering College, Jaysingpur, Maharashtra. Title of paper: Development of OFDM space time block coded outdoor wireless link. IOSR Journal publication with ISSN(P)-2278-8727</p> <p>4. International Conference ‘Multicon-w-2014’ on 28th February to 1st March 2014. At Thakur college of Engineering, Mumbai, India. Title of paper: A Vertical Handoff Algorithm for Heterogeneous Wireless Mobile Networks</p> <p>5. International Conference ‘ICAsnet-2014’ on 6th & 7th June 2016. At Sai Ram college of Engineering, Anekal, Bangalore, India. Title of paper: A survey of routing protocols for wireless sensor network.</p> <p>6. International Journal of Scientific Review & Research in Engineering & Technology. Vol. 2(3), March-April 2017. ISSN: 2455-3603 Title of paper: Solar driven low altitude patrolling aircraft</p> <p>7. International Journal of Scientific Review & Research in Engineering & Technology. Vol. 2(3), March-April 2017. ISSN: 2455-3603 Title of paper: Implementation of QOS based routing protocol for</p>

	<p>wireless sensor network.</p> <p>8. International Conference ‘ICAECCT-2018’ on 23rd & 24th February 2018.</p> <p>At Rajarshi Shahu College of Engineering, Pune, India. Title of paper: An overview of routing protocols for Mobile Wireless Sensor Network.</p> <p>9. International Journal of innovative research explorer.</p> <p>Vol.5, Issue 4, April 2018. ISSN:2347-6060. Title of paper: IOT based air & sound pollution monitoring system.</p> <p>10. International Journal of innovative research explorer.</p> <p>Vol.5, Issue 3, March 2018. ISSN:2347-6060. Title of paper: Water level monitoring & dam gate control over IOT.</p> <p>11. International Journal of future revolution in Computer Science & Communication Engineering.</p> <p>Vol.4, Issue 4, April 2018. Title of paper: Water level monitoring & dam gate control over IOT.</p> <p>12. International Journal of scientific research & review.</p> <p>Vol.5, Issue 4, April 2018. ISSN: 2279-543X. Title of paper: IOT based air & sound pollution monitoring system.</p> <p>13. International Journal of communication engineering science research.</p> <p>Vol.5, Issue 4, April 2018. ISSN: 2347-6060. Title of paper: IOT based air & sound pollution monitoring system.</p>
No.of seminars	06
Details	<ol style="list-style-type: none"> 1. Seminar on ‘It opportunities in Japan’ at TKIET, Warnanagar.- 18th April 2002. 2. One day workshop on ‘VLSI design & embedded system’ by Mahaveer Institute, Kolhapur.- 1st September 2002. 3. One day ‘Syllabus setting workshop of B.E. (E&TC)’ at College Of Engineering, Pandharpur.- 4th September 2004. 4. One day workshop of ‘Srujan Project Guidance Beauru’ at WCE, SANGLI.-14th August 2004. 5. One day ‘Syllabus setting workshop (SE-ELN)’ at KBPS, Satara.- 10th January 2003. 6. One day workshop on ‘ORCAD’ conducted by Indiasoft Technologies (P) Ltd., Pune At Annasaheb Dange College Of Engg. & Tech., Ashta.-10th January 2005.
No.of STTP/Workshops	19
Details	<ol style="list-style-type: none"> 1. ‘Advanced image pressing techniques’ at RIT, Sakharale sponsored by ISTE.- 28th May 2001 TO 9th June 2001. 2. ‘Information technology enabled effective curriculum

- implementation' at WCE, Sangli approved by ISTE.-10th June TO 22nd June 2002.
3. Certificate course in 'VLSI design' at Bit Mapper Integration Technologies Pvt. Ltd., Pune.- 24th December 2001 TO 30th December 2001.
 4. Course in 'VLSI design' at DKTE, Ichalkarangi in association with Mahaveer Institute, Kolhapur.- 6th August 2001 To 11th August 2001.
 5. Two days workshop on 'Matlab & Simulink' conducted by Indiasoft Technologies (P) Ltd., Pune & Cranes Software International Ltd., Bangalore At Wce, Sangli.- 14th & 15th July 2003.
 6. Two days '2003 Xilinx university program (XUP)' by CG-Core-Ei Pogrammables In Association With Mentor Graphics & IIT Bombay At IIT, Bombay.- 30th September & 1st October 2003.
 7. ISTE sponsored STTP on 'Resent trends in VLSI & FACE' at Bharati Vidyapeeth's College of Engineering, Pune.-30th June To 08th July 2008.
 8. Mission 10x faculty development program conducted by Wipro Technologies, at S. S. P. M.'s college of Engineering, Kanakavali.- 25th to 29th May 2009.
 9. Mission 10x faculty development program conducted by Wipro Technologies, at R.M.C.E.T., Devarukha.-25th to 29th May 2009.
 10. ISTE approved STTP on "Matlab Application in Communication" At SSPM's College Of Engineering, Kankavli, from 28th December 2009 to 1st January 2010.
 11. ISTE approved STTP on "Advanced Digital Signal Processing" At SSPM's College Of Engineering, Kankavli, From 26th December 2011 To 30th December 2011.
 12. ISTE approved STTP on "Advances in Wireless Communication" At ADCET, Ashta, from 24th June 2013 To 28th June 2013.
 13. ISTE approved STTP on "Mobile Adhoc Networks And Simulation" At SSPM's College Of Engineering, Kankavli, From 9th January 2012 to 13th January 2013.
 14. ISTE approved STTP on "Cloud Computing & software services" At SSPM's College Of Engineering, Kankavli, From 3rd June 2013 To 7th June 2013.
 15. Training program on "Arduino Based Systems"at SSPM's College Of Engineering, Kankavli, on 5th January 2018.
 16. Foundation Program in ICT for education- FDP101X conducted by IIT, Bombay.(15 March To 17 April 2018)
 17. Pedagogy for Online & Blended Teaching-Learning Process- FDP201X conducted by IIT, Bombay.(15 May 2018 To 18 June 2018)
 18. 12 Week NPTEL online course on "An introduction to Internet Of things" with Elite Certificate.(January – April 2018)
 19. 4 Week NPTEL online course on "Business English Communication" with Elite Certificate.(February- March 2018)

No. of projects guided at UG level	40
Details	
Membership in Professional Bodies	<ol style="list-style-type: none"> 1. Life member of ISTE (Membership No.- 40726) 2. Member of IAENG (Membership No.- 200425) 3. Associate Member of IRED (Membership No- AM10100058947)
Research / Sponsored / Consultancy Projects	Minor Research Project Grant from Mumbai University in year 2011-12 (Rs. 40,000/-)
Awards / Honours / Prizes	-
No.of Books published	-
Details	-