

ARMY INSTITUTE OF TECHNOLOGY  
DIGHI HILLS, PUNE - 15

**STAFF PROFILE**



Name of Teaching Staff	Ms Manisha Nilkanth	
Designation	Asst. Professor	
Department	E&TC	
Date of Joining the Institution	22 <sup>nd</sup> Feb 2010	
Qualifications with Class/ Grade	UG – <b>BE Electronics (First class with Distinction )</b>	PG – <b>ME Electronics (Digital Systems)-(First Class)</b>
Total Experience in Years	Teaching- <b>8 years</b>	Industry – <b>09 months</b>
<b>Paper Published</b>	International - <b>02</b>	
International	<p>1. Ms. Manisha Nilkanth, Ms. Sunit Lokhande, “<b>Handwritten Devnagri Numerals recognition using PCA &amp; MSE</b>”, in International journal on Electronics &amp; Communication Engineering Research &amp; Development (IJECERD) ISSN-2248-9525(print) ISSN-2248-9533 (online) ,Volume 3, Number 1,Jan – March 2013 PP No.39-47 <a href="http://www.prjpublication.com/Paperlist.asp">http://www.prjpublication.com/Paperlist.asp</a></p> <p>2. “Fabrication of do it yourself solar kit: democratizing solar energy applications”, Abhay Pandey, Nawal Singh, Athul Raj, R. B. Gurav, Anand Ramgude and Mainsha Nilkanth PESTSE’16 <a href="http://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&amp;queryText=2016%20Biennial%20International%20Conference%20on%20Power%20and%20Energy%20Systems:%20Towards%20Sustainable%20Energy%20.LB.PESTSE.RB">http://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&amp;queryText=2016%20Biennial%20International%20Conference%20on%20Power%20and%20Energy%20Systems:%20Towards%20Sustainable%20Energy%20.LB.PESTSE.RB</a></p>	
<b>Paper Published in Conference</b>	National -00	International - <b>02</b>
International	<p>1. Ms. Manisha Nilkanth, Ms. Sunit Lokhande “<b>Devnagri Numeral Recognition</b>”, in International Journal of Emerging Technologies and Applications in Engineering, Technology &amp; Science(IJ-ETA-ETS )-ISSN 0974- 3588  April2010 Page No.210-216</p> <p>2. “Fabrication of do it yourself solar kit: democratizing solar energy applications”, Abhay Pandey, Nawal Singh, Athul Raj, R. B. Gurav, Anand Ramgude and Mainsha Nilkanth PESTSE’16</p>	

<b>Patents Published</b>	<b>Sr No</b>	<b>Title of Invention</b>	<b>Date of filing</b>	<b>Application No.</b>	<b>Publication date</b>	<b>Journal No</b>
	a.	Economical multipurpose cutter for Shankarpali, puri, disco papad and other such items	23/12/2015	4821/MUM/2015	15/01/2016	03/2016
	b.	Braking system with better vehicle stability using non uniform contact pressure for two	23/12/2015	4822/MUM/2015	15/01/2016	03/2016
	c.	Work bench with USB microscope for Art on Rice	20/01/2016	20621012053	12/02/2016	07/2016
	d.	A modified silencer with unique protective shield	20/01/2016	20621012035	12/02/2016	07/2016
	e.	A fully automatic water level controller with	24/082016	201621028759	02/09/206	36/2016
<b>Professional Memberships</b>	*LMISTE					