



## Vivek M. Aranake

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<b>Education:</b>	<ul style="list-style-type: none"><li>• B.E. (Electronics and Telecommunication University Of Pune 1978</li><li>• M.E (Microwave Engineering) Pune University 1980</li><li>• Teaching Experience 6.5 Years</li><li>• Industrial Experience 23 years</li><li>• Total Experience : 29 years</li></ul>
<b>Research Interests:</b>	<ul style="list-style-type: none"><li>• Tunneling of Solar energy through a pipe for direct applications</li><li>• Alternate S.M.P.S. design for computers to save energy</li><li>• Hot swappable redundant power supplies for critical applications</li><li>• Energy conservation in power electronics applications</li><li>• Energy Audit and power quality</li></ul>
<b>Funded Research Projects:</b>	Optimum utilization of solar energy by tunnrling solar energy through a pipe for direct lighting and heating applications 2007- 2009 Pune University, Rs. 3,00,000/- Principal Investigator.
<b>Consultancy</b>	<ul style="list-style-type: none"><li>• Digital plating thickness gauge Rs. 60,000/-</li><li>• Regulated power supply Rs. 25,000/-</li><li>• Read time cycle to cycle power factor correction</li></ul>
<b>Teaching:</b>	<ul style="list-style-type: none"><li>• Advanced communication engineering</li><li>• Electronics communication</li><li>• Electronic product Design</li><li>• Bio Medical Electronics</li><li>• Power Electronics</li><li>• Mechatronics</li><li>• Electromagnetic waves and radiating systems</li><li>• Network theory</li><li>• Basic Electronics engineering</li><li>• Advanced Power Electronics</li></ul>
<b>Projects Guided</b>	<ul style="list-style-type: none"><li>• Undergraduate Projects guided: 19</li></ul>

<b>Professional Body membership</b>	<ul style="list-style-type: none"> <li>• Applied for Fellow member of IETE</li> <li>• Member of IEEE (No.-90598273)</li> </ul>
<b>Publications:</b>	Article in the news paper for awareness of energy saving in power electronic products
<b>Industrial Experience</b>	<ul style="list-style-type: none"> <li>• Electro discharge machining</li> <li>• Capacitor Discharge welding machines</li> <li>• Power Semiconductors manufacturing</li> <li>• Non destructive testing instruments</li> <li>• Test and Measuring instruments</li> <li>• Bio-Analytical Instruments</li> <li>• Power electronic products</li> </ul>
<b>Industrial training</b>	<ul style="list-style-type: none"> <li>• One month training in power semiconductor manufacturing</li> </ul>
<b>International Exposure</b>	<ul style="list-style-type: none"> <li>• Visited Electronics exhibitions and manufacturing plants at Singapore, Hong Kong and Taiwan.</li> </ul>
<b>Computer Skills:</b>	<ul style="list-style-type: none"> <li>• Applications: Microsoft office, presentation software's</li> <li>• Operating Systems; Windows.</li> </ul>