


## Curriculum Vitae

Name: Dr. Gursewak Singh Brar Designation: Professor & Head Department: Electrical Engineering Institute: Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, Punjab. Phone: 09463411011(R), 08872035214(O) Email ID: gursewak.singh@bbsbec.ac.in		<b>Educational Qualification:</b>  Ph.D.-Electrical Engineering M.Tech.- Electrical Engineering B.Tech.- Electrical Engineering	
<b>Experience</b>	July 2016 – till date Aug., 2011–June 2016 Sept, 2008–Aug., 2011: Feb, 2007–Sept, 2008: Sept, 1998–Jan, 2007: Oct, 1996–Dec, 1996:	Professor & Head EED BBSBEC, Fatehgarh Sahib. Associate Professor & Head EED, BBSBEC, Fatehgarh Sahib. Assistant Professor, BBSBEC, Fatehgarh Sahib. Lecturer, BBSBEC, Fatehgarh Sahib. Lecturer/A.P., L.L.R.I.E.T., Moga. Lecturer, S.L.I.E.T., Longowal.	
	<b>Area of Interest</b>	Electrical Machines, Power System and Energy System using Soft Computing Techniques, Electrical Instrumentation & Control Engineering	
<b>Sr. no.</b>	<b>Description</b>	<b>Status/Remarks</b>	
1	Thesis, supervised in respect of post-graduate students.	30	
2	List of projects, minor / major, guided for post-graduate students	<ul style="list-style-type: none"> <li>• Multi-Stepper Motor Control</li> <li>• Digital Stepper Motor Controller</li> <li>• Digital Temperature Controller</li> <li>• Design of Fuzzy Controller for calculation of losses and incremental costs</li> <li>• Wireless Energy meter using advanced techniques</li> <li>• Biomass power plant</li> <li>• Speed control of stepper motor using cellular Phone</li> <li>• Data and voice transmission through power lines</li> </ul>	
3	Details of projects, supervised in respect of B. Tech students	<ul style="list-style-type: none"> <li>• Automation of Biscuits Making Machine Using PLC, Drives &amp; HMI</li> <li>• Wireless Energy meter</li> <li>• Biomass power plant</li> <li>• Speed control of stepper motor using cellular Phone</li> <li>• Solar street lightening automatic control</li> <li>• Remote control of home electrical appliances (Many more to the previous batches)</li> </ul>	
4	Details of non-academic technical	<b>Coordinated</b>	

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	projects, coordinated / supervised during the academic session 2011-12	<ul style="list-style-type: none"> <li>• ISTE-SPEED International workshop on Importance of Text Books and Sustainability in Engineering Dec. 16-18, 2011.</li> <li>• National conference on Power and Energy Management (PEMCON-2012) Feb. 24-25, 2012 at BBSBEC, FGS. <b>(Grant of Rs. 1,00,000/-) from AICTE , New Delhi</b></li> <li>• INSPIRE project from 31<sup>st</sup> March -4<sup>th</sup> April,2012 Sponsored by DST , New Delhi</li> <li>• National conference on Advances in Electrical and Electronics Communication Engineering (AEECE-2015) Feb. 20-21, 2015 at BBSBEC, FGS, under the aegis of IETE.</li> </ul>
5	Details of industry institution development projects undertaken in 2011-12	<ul style="list-style-type: none"> <li>• Automation of Biscuits Making Machine Using PLC, Drives &amp; HMI” in collaboration with Schneider Electric, Ludhiana <b>(Sanctioned Grant of Rs. 20,000/-) from PTU, Jalandhar.</b></li> <li>• IDP-GSM based Energy meter reading in collaboration with Indian Acrylic Limited Sangrur <b>(Sanctioned Grant of Rs. 25,000/-) from PTU, Jalandhar.</b></li> </ul>
6	Details of FDPs organized / attended / coordinated in the previous academic session	<p><b>Organized</b></p> <ul style="list-style-type: none"> <li>• Faculty Development Programme on Electric Drives and Control System (July 12-16, 2010) <b>(Grant of Rs. 60,000/-) from PTU, Jalandhar.</b></li> <li>• FDP on Matlab &amp; Labview based Technical Programming in Electrical Engineering Teaching &amp; Research (July 25-July 29, 2011) <b>(Grant of Rs. 65,000/-) from PTU, Jalandhar.</b></li> <li>• FDP on Smart grid Management using Labview and Labvolt (July 04-July 08, 2012) <b>(Sanctioned Grant of Rs. 65,000/-) from PTU, Jalandhar</b></li> </ul>
7	Details of seminars and conferences and the level of each (National / International) attended during the academic session 2011-12	<ul style="list-style-type: none"> <li>• International Conference on Deregulated Environment and Energy Markets (DEEM-2011), July 23, 2011 at Chitkara University.</li> <li>• National conference on Power and Energy Management (PEMCON-2012) Feb. 24-25, 2012 at BBSBEC, FGS.</li> </ul>

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8	Membership of Professional Bodies/Institutions/Board of Governor	<ul style="list-style-type: none"><li>• Life Membership of ISTE</li><li>• Member board of studies Electrical Engineering, PTU, Jalandhar</li><li>• Member World Scientific Press, USA</li><li>• Reviewer-Engineers Australia Technical Journals</li></ul>
9	Technical papers presented or published in Journals/conferences	56
10	Ph.D. Students registered	05

(Dr. Gursewak Singh Brar)