



**Dr. Akash Singh Chaudhary**  
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 Hindustan College of Science and Technology-  
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<b>Qualification</b>	:	Ph.D (Power System), M. Tech (Engineering Systems), BSc. Engineering (Electrical)
<b>Department</b>	:	Electrical & Electronics Engineering
<b>Experience</b> (Academics/Industry/Research)	:	07 Years
<b>Research Interest</b>	:	Electrical Machines, Power Systems, Renewable Energy, Soft Computing Approaches, Thermography, Digital Image processing
<b>Ph.D. Supervising</b>	:	Nil
<b>BTech/MTech/MPhil Dissertation supervised</b>	:	B.Tech.: 01 M.Tech.: Nil
<b>Sponsored Research Project / Consultancy</b>	:	NA
<b>Research Publications</b>	:	Journals: 09 Conferences: 06 Books: 01 Book Chapters: 03 Articles: 06
<p><b>Journals:</b>  <b>Akash Singh Chaudhary, D.K.Chaturvedi, QR Code Based Solar Panel Data Monitoring System, I.J. Image, Graphics and Signal Processing, MECS Press, vol.12, no. 3, pp. 20-26, 2020</b>  <b>Akash Singh Chaudhary, D.K.Chaturvedi, M.P.Singh, Temperature Studies for SPV Components with Digital Imaging, Journal of Emerging Technologies and Innovative Research (JETIR), vol. 5, no. 12, pp. 410-414, 2018</b></p>		
<p><b>Conferences:</b>  <b>Akash Singh Chaudhary, D.K.Chaturvedi, Live Hotspots Visualization and Degradation Analysis of Solar Photovoltaic Panels using QR Code and Thermal Image Processing , 4<sup>th</sup> International Conference on Data and Information Sciences, Sponsored by Springer, RBS Engg, Tech Campus, Bichpuri, Agra, UP, 03-04 June 2022</b>  <b>Akash Singh Chaudhary, D.K.Chaturvedi, Video Transmission Based Condition Monitoring of Solar Panels using QR Code, 2<sup>nd</sup> International Conference on Data and Information Sciences, Sponsored by Springer, RBS Engg, Tech Campus, Bichpuri, Agra, UP, 29-30 March 2019</b></p>		

<b>Articles:</b>	
<b>Akash Singh Chaudhary, D.K.Chaturvedi, Effects of Solar PV Heat Islanding, Electrical India, Chary Publication, Navi Mumbai, India, vol. 63, no. 2, pp. 38-40, February 2023</b>	
<b>Akash Singh Chaudhary, Use of Thermal Imaging to Identify Defects and Effects of Partial Shading on Solar Panels, Energetica India, Omni media Publications, Pune, India, no. 74, pp. 40-45, July-Aug, 2018</b>	
<b>Book Chapters</b>	: <b>Akash Singh Chaudhary, D.K.Chaturvedi, Live Hotspots Visualization and Degradation Analysis of Solar Photovoltaic Panels using QR Code and Thermal Image Processing, Published online in: Shailesh Tiwari, Munesh C. Trivedi, Mohan L. Kolhe, Brajesh Kumar, “Advances in Data and Information Sciences”, A Springer book series Lecture Notes in Networks and Systems, vol 522, pp. 23-33, 25.11.2022, Springer, Singapore. DOI: 10.1007/978-981-19-5292-0 3</b>
<b>Reviewer:</b> Electric Power and Renewable Energy Conference-2020, Department of Electrical Engineering, NIT Jamshedpur, 29-30 May 2020, Sponsored by TEQUIP-III, Springer	
<b>Short Term Courses/ Programs/ Workshops (Participated): 04</b>	
<b>FDPs (Attended): 03</b>	
<b>Patents</b>	NA
<b>Achievements</b>	
<b>International Collaboration</b>	: NA
<b>Award</b>	: <b>Achieved best paper award for the paper title “A Novel Technique for Transmitting Solar Photovoltaic Data using QR Code for Better Visualization” and reviewed research papers in IEEE Sponsored 41<sup>st</sup> National Systems Conference Dec 1-3, 2017, DEI, Dayalbagh, Agra, India, 2017</b>
<b>Membership in Professional Bodies</b>	: Life Member of ISTE
<b>Abroad Visit</b>	: NA