DR. SAQIB JAMSHED RIND

Assistant Professor
sjrind@neduet.edu.pk

Academic Qualification:	**PhD,** Electric Motor Drive Control for Electrical Vehicles (EVs) University of Liverpool, England, July 2017.
	MSc, Automation and Control Engineering Newcastle University, England, August 2007.
	BEng (B.E), Industrial Electronics Engineering, IIEE- NED University of Engineering & Technology, December 2004
Experience:	**May 2005-Present**: NED University of Engineering and Technology.

- As an Assistant Professor (Jan 2008- present)
- As a Lecturer (May 2005 – Jan 2008)

Feb,2005-April,2005: Analytical Measuring System Pvt. Ltd

- As a Trainee Service Engineer

Professional Membership:	Member Institute of Electrical & Electronics Engineering (IEEE)-USA
	Member Pakistan Engineering Council (PEC)-PAK
Honors & Awards:	Secured PhD Scholarship for England in 2012 from NED University of Engineering & Technology.
	Secured partial PhD studentship from The University of Liverpool, England.
	Secured MSc Scholarship for England in 2006 from NED University of Engineering & Technology.
	Secured 100% Marks in Final year BEng Project work.
Conference, Presentation & Course Attended:	53rd Universities Power Engineering Conference (UPEC) Glasgow, UK September, 2018
	50th Universities Power Engineering Conference (UPEC) Stoke on Trent, England, September, 2015
	49th Universities Power Engineering Conference (UPEC) in culaj- Napoca, Romania , September, 2014
	02 Days Internal Auditor Training from Lloyds Quality Assurance 2010.

04 Days Workshop on academic writing & Communication Skills from The University of Newcastle-England in 2006.

Research Interests:	- Applications of Power Electronics in Automotive Systems - Electric & Hybrid Electric Vehicle for the next Generation - Electrical Energy storage for EVs and HEVs - Designing & Development of Power Electronic Converters. - Renewable Energy Systems.
Administrative Responsibilities:	- Department's OBE team member - BEng Final Year Academic Councilor - Member Department Board of Studies - Lab-Officer Incharge of Automotive Electronics Lab & Basic Electronics Lab.

Research Publications:

- Yaxing Ren, Ruotong Wang, **Saqib Jamshed Rind**, Pingliang Zen, Lin Jiang "Speed sensorless nonlinear adaptive control of induction motor using combined speed and perturbation observer", Elsevier Journal - Control Engineering Practice, Volume 123, June 2022.

- Mohsin Jamil, Muhammad Nasir Khan, **Saqib Jamshed Rind**, Qasim Awaise, Muhammad Uzair "Neural network predictive control of vibrations in tall structure: An experimental controlled vision", Elsevier Journal - Computers and Electrical Engineering, Volume 89, January 2021.

- Yaxing Ren, **Saqib Jamshed Rind**, Lin Jiang "A coordinated control strategy for battery/supercapacitor hybrid energy storage system to eliminate unbalanced voltage in a standalone AC micro-grid", Journal of Intelligent Manufacturing and Special Equipment, December 2020.

- Mehmood Ali, **Saqib Jamshed Rind**, "Engine Performance and Emission Analysis using Neem and Jatropha Blended Biodiesel" LA GRANJA, Life Sciences Journal, Vol 32 No 2:,September 2020.

- Palwasha Rauf , Mohsin Jamil, Syed Omer Gilani, **Saqib Jamshed Rind**," Comparison of Nonlinear Controllers for Speed Control of DC Motor", IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), Vancouver, BC, Canada, pages 389 - 394, November, 2018.

- **Saqib Jamshed Rind**, Anas Amjad, Mohsin Jamil ," Rotor Flux MRAS based Speed Sensorless Indirect Field Oriented Control of Induction Motor Drive for Electric and Hybrid Electric Vehicles", IEEE 53rd International Universities Power Engineering Conference (UPEC), Glasgow, UK, pages 1-6, September 2018.

- **Saqib Jamshed Rind**, Mohsin Jamil , Anas Amjad,"Electric Motors and Speed Sensorless Control for Electric and Hybrid Electric Vehicles: A Review", IEEE 53rd International Universities Power Engineering Conference (UPEC), Glasgow, UK, pages 1-6, September 2018.

- **Saqib Jamshed Rind**, Yaxing Ren, Yihua Hu, Jibing Wang, Lin Jiang, "Configurations and control of traction motors for electric vehicles: A review", IEEE- CMP Chinese Journal of Electrical Engineering, vol.3 , issue.3, December 2017.

- **Saqib Jamshed Rind**, Y. Ren, K. Shi, L. Jiang, and M. Tufail, Rotor flux-MRAS based speed sensorless non-linear adaptive control of induction motor drive for electric vehicles, IEEE 50th International Universities Power Engineering Conference (UPEC), Stoke on Trent, UK, pages 1-6, September 2015.

- **Saqib Jamshed Rind**, Yaxing Ren, and Lin Jiang, Traction motors and speed estimation techniques for sensorless control of electric vehicles: A review, IEEE 49th International Universities Power Engineering Conference (UPEC), Cluj-Napoca, Romania, pages 1-6, September 2014.

- **Saqib Jamshed Rind**, Y. Ren, and L. Jiang, MRAS based speed sensorless indirect vector control of induction motor drive for electric vehicles , IEEE 49th International Universities Power Engineering Conference (UPEC), Cluj-Napoca, Romania, pages 1-6, September 2014.

- Muhammad Tufail, Frans Coenen, Tintin Mu, **Saqib Jamshed Rind**, Mining movement patterns from video data to inform multi-agent based simulation, International Workshop on Agents and Data Mining Interaction, Paris, France, May 2014.