

Husain Kanchwala

Contact information:

Senior Teaching Fellow
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Education

Institution	Degree	Branch	Year	Marks
Indian Institute of technology, Kanpur	PhD	Mechanical	2017	10/10 CGPA
Shri G.S. Institute of Technology and Science, Indore	B.E.	Mechanical	2010	84%

Research interests

Dynamics, vibrations, computer aided design, vehicle dynamics and control.

Professional experience

Institution	Position	Duration	
		From	To
University of Warwick	Senior Teaching fellow	Oct 2019	Present
Defence Academy of the United Kingdom	Research fellow	Nov 2017	Oct 2019
Cranfield University, UK	Research fellow	Dec 2016	Oct 2017
KTH Royal Institute of Technology, Sweden	PhD exchange student	Oct 2014	Dec 2014
University of Seville, Spain	Erasmus scholar	Dec 2013	Sep 2014
Waseda University, Japan	JICA scholar	Oct 2012	Sept 2013
Mahindra & Mahindra, India	Assistant manager (Multibody)	Oct 2010	Dec 2011

Teaching experience

- Vibration and rotordynamics:**
Designed and delivered this third year undergraduate course to Dyson Institute as module leader.
- Vehicle Propulsion:**
Responsible for design and delivery of this module to School of Engineering, University of Warwick.
- Vehicle system dynamics and control:**
Currently under development will be delivered in Spring 2021.

Postdoctoral research experience

- MuCCA: Multiple Car Collision Avoidance**
Development of vehicle model, cooperative path planning and tracking controller for autonomous cars.
- ORES: Off-road Engineering simulator**
Development of HiL simulator for driveline testing of off-road vehicles running on bumpy terrains.