

INDIVIDUAL FACULTY PROFILE- TEMPLATE TO BE UPLOADED IN COLLEGE WEBSITE

	<p> Name : Dr Deepthee M.R. Designation : Assistant Professor Qualification : Ph.D. Email-id : (official) : deeptheemr.maths@bmsce.ac.in Experience : Teaching experience : Date of Joining this Institution (BMSCE): 22/02/2019 Research Interests : Applied Mathematics </p> <ul style="list-style-type: none"> • Mathematical physics • Mathematical modeling of dynamic systems • Modeling of wireless chip to chip communication within enclosures. • MIMO communication • Mathematical biology
About Your self	<p>I have completed my PhD in mathematical modeling of wireless chip communication from The University of Nottingham, UK in 2019 and masters from VNIT, Nagpur in 2015. I have published 3 papers in international journals and 2 international conference proceedings. I was a part of noisy electromagnetic field 2021 (NEMF21) project funded by HORIZON2020, a European Union organization. I was also a part of EPSRC funded project on M8MO communication. I have experience in programming using various languages such as C, MATLAB, C++, JAVA etc.</p>
	<p> Education: Doctoral Research : Wireless chip to chip communication within enclosures. Masters : M.Sc. (APPLIED MATHEMATICS) Bachelors : B.Sc.(Physics, Mathematics, Computer Science) </p>
	<p>Personal web site/page if any then mention the Webpage link</p>
	<p> Selected Publications : <ol style="list-style-type: none"> 1. Near field scanning and propagation of correlated low frequency radiations, IEEE transactions on electromagnetic compatibility, 2017. 2. Propagating methods for stochastic field emissions and source reconstruction, IEEE EMC, 2017. 3. Near field acoustical holography-a Wigner function approach, submitted to Journal of sound and vibration. 4. A Wigner function approach to near-field acoustic holography - theory and experiments (Under review) 5. DEA approach to analyse MIMO communication within enclosures (under review) </p>
	<p> Courses Handled/List <ul style="list-style-type: none"> • Engineering Mathematics - 1 • Engineering Mathematics - 2 • Engineering Mathematics – 3 • Engineering Mathematics – 4 </p>
	<p>Additional Responsibilities</p>

	<ol style="list-style-type: none"> 1. Valuation coordinator, BMSCE, Bangalore. 2. Teaching Assistant for UG, UON, UK. 3. Resident Tutor, Raleigh Park, Nottingham, UK. 4. Demonstrator and Marker, UON, Nottingham, UK. 5. Postgraduate research student supporters, UON, UK 6. Team leader, VIHANG2K14, VNIT, Nagpur, India.
	<p>Other Information:</p> <p>Graduate Projects:</p> <ol style="list-style-type: none"> 1. Mathematical modelling of noisy-electromagnetic fields (NEMF21) project. 2. EPSRC project on modelling of near field emissions from complex sources. 3. Master's project on general theory of relativity. 4. Bachelor's project on modelling of electromagnetic waves in cylinders based on Bessel's equation. 5. Modelling Pico-turbine windmill, super symmetry problems etc. Internship at IISc on analysing geometric topology <p>Conferences:</p> <ol style="list-style-type: none"> 1. Young researchers in Mathematics, St. Andrew's, August 2016. 2. British applied mathematics colloquium, University of Surrey, April 2017. 3. Electromagnetic compatibility, IEEE conference, France, September 2017. 4. Training on Electromagnetic compatibility, Malta, April 2018. 5. URSI, AT-Rasc, Gran Canaria, May 2018. 6. NEMF21 meeting, Nice, France, July 2018.