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# **Physics**

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### GOD's diagnostic tool is mathematics and prescription is physics

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OD's physical existence and his interaction with the matter (living/non-living) is beyond the realm of physics as the boundary Jof physics is ħ/2. Understanding the natural philosophy till now is being the consequence of having undettered faith in GOD causing the emergence of pioneers and advancements made through the effort of various scientists and researchers, these fields as oneself came to light as a path of research in their own right. Different potential ideas in physics has utilized the mathematics as the diagonistic tool and various prescription came from sectors like Classical Physics, Modern Physics, Computational Physics, Theoritical Physics, Applied Physics, Meta Physics, Solar Physics, Bio Physics, Astro Physics, etc., for creation, invention and discovery as the Physics is the study of science that deals with energy and matter and their interactive nature with each other.

#### **Biography**

Manish Kumar has obtained his BE (Electrical Engineering) from MNNIT, Allahabad, MTech (Energy Studies) and PhD (Plasma Physics) from IIT Delhi. He has rich experience of more than 12 years in teaching, research and training. His areas of interest in teaching and research are Hybrid Energy system, Optical fibers, Terahertz Radiation Generation, Surface Plasma Waves and Plasma Physics. He has published more than 8 papers in reputed journals and has been serving as an editorial advisory board member of repute. He has travelled widely across the globe (Canada, China and Japan etc.) for various international conferences. He has brought under the F.A.S.T. scheme of MHRD a Center for Energy and Resources Development (CERD) for IIT (BHU). Presently, he is working on the project "1.5 MW Integrated Dairy and Smart Hybrid Energy System" with vision of empowering the villages of India to be self-dependent and have a modern outlook. Various states like Uttar Pradesh, Arunachal Pradesh, Meghalaya, Jharkhand etc., have offered him land & invitation to set up this project. He has also setup a prototype lab for this project in the Department of Electrical Engineering, IIT (BHU). Prior to this assignment, he has worked with Modipon Fibers Company Limited & Bharat Sanchar Nigam Limited and has contributed in successful launching of Mobile network of BSNL. Presently, he is working as an Assistant Professor in Department of Electrical Engineering, IIT (BHU).

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