



Statement of Purpose

MSc (Astrophysics and Cosmology)

Intake - September 2021

University - University of Padua, Italy

While on our planet earth, issues akin to politics and economy are paramount, they matter little in outer space; but only for the time being. The race to capitalize resources beyond earthly bounds has begun, giving a visible advantage to scholars privy to the knowledge of astrophysics and cosmology. Even so, not including the ambitious Mars Settlement Project, human ambitions to conquer space were never this strong since the space race of the 60s between the USA and erstwhile USSR.

I am applying to pursue the Masters in Astro Physics and Cosmology at your much acclaimed University owing to the uniqueness of its curricula and to develop esoteric knowledge about galaxies, quantum mechanics, gravitational fields and about time itself. Through my education here, I seek to trigger brilliant career and research opportunities. Space is unavoidably the next frontier of humanity and I intend to majorly contribute to this most important leg of scientific development with my subject matter expertise.

Moving forward on the academic promenade, I was always mindful to keep abreast with the Dark side of my inquisitiveness with an intended pun to Dark Matter and Energy; carefully curating a learned version of myself through completing MOOC programs learning vehemently about Analyzing the Universe, Astronomy: Discovering the universe, The wonders of Big Bang and Thermodynamics for Science and Engineering, Edx, Coursera and Alison. I have completed many readings to understand concepts of theoretical physics; to the milieu of Origin of Universe, Possibility of Multiverse and String Theory.

I find now to be an opportune time to follow my academic passion by pursuing my higher education at your university and to gain expertise in the field of Astrophysics and Cosmology. I intend to further my learnings through a fellowship after this course with a singular ambition of reshaping my profile as a distinguished subject matter expert in the academic discipline of planetary studies, the workings of a universe and Quantum Physics, especially concerning the fabric of time and the possibility of parallel timelines.

Rewind to my teens, my tryst with outer space began reading Hawkins books. With due allegiance to his brilliance and genius, he tried his best to simplify the quarks and the quantum of knowledge yet it was mostly incomprehensible to me in the first reading itself. I devised a way to understand him; with annotations, additional reading references and a few dozen bookmarks. Meanwhile, I completed my senior school in 2013 in Science Stream with an aggregate of 78.41% and thereafter chose to study Aeronautical Engineering at the famous APJ Abdul Kalam Technological University of Kerala. The technical education in aeronautics was the closest academic domain available to me at that time which contained some parlance to the science of cosmology and astrophysics.

Hitherto, concluding my Engineering whilst consummating expansive knowledge about flight machines and space engineering, I developed an idiosyncratic knowledge about Aerodynamics, Material Science, Engineering Physics, Aircraft structures and Finite element analysis.

My under graduation has been a rewarding experience as I got numerous chances to visit industries to gain a close look at the application of Aeronautics while working with the famous HAL (Hindustan Aeronautics Limited), Bangalore as an Apprenticeship trainee and through career-enhancing certifications like CATIA V5/V6, SAO Image DS9, ANSYS Workbench, Solidedge and AutoCAD. The Master's program at the University of Padua, Italy was recommended by one of my professors at the college who was aware of my interest in the field and encouraged me to pursue it. The curriculum that your university offers is unique with its modules and starkly different from the one taught in most Indian Universities. While researching for international universities, I discovered the superlative rankings of your college and that the course offered here perfectly aligns with my learning objectives (mention learning outcomes wanted from this course, core and elective study modules)

It is to this interest and to follow my passion, I request a favourable review of my application. I am committed to deliver spectacular results from my Master's education and to uphold the brilliant academic legacy of the University of Padua to the best of my capabilities.

Sincerely



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DI PADOVA**