STATEMENT OF PURPOSE

Mathematics is the art of unification. It has the potency to offer us a new way of looking at almost everything. My enjoyment of the beauty of Mathematics is a part of what motivates me towards innovation.

I am interested to gain deeper knowledge in Mathematics and improve my abilities to understand and solve complex problems which leads to make important discoveries in this field by doing a PhD.

After graduating in Mathematics from Midnapore College (Autonomous) in 2017 I joined Indian Institute Of Technology Bombay for MSc. Through JAM with AIR-27.There I did the courses like Real Analysis, Complex Analysis, Linear Algebra, Modern Algebra, Topology, Functional Analysis, Ordinary and Partial Differential Equations. During the courses on PDE I got interested and decided to continue further study in this field.

My long term career objective is to seek a teaching position to share knowledge and experience and encourage the students for research work.

My research interest is Partial Differential Equations especially Hyperbolic Conservation Laws. It is a broader area in Applied Mathematics. There are many practical problems (for example Navier-Stokes Equations) in our daily life which can be solved by the tools of PDE.

I want to pursue a PhD in Indian Institute Of Technology Guwahati as it is a good research institute having worldwide recognized faculties who supervise students in a definite way for better research work.