

## **STATEMENT OF PURPOSE**

'If we knew what it was we were doing, it would not be called research, would it?' and 'If you want to learn something well, explain it.' this famous quote by Albert Einstein and Richard Feynman explain my purpose simply that is I want to do things which I do not know and want learn things with a sense so that I can pass it to others and if I club it together I am interested in research where I implement my ideas and learn further with an assistance of a mentor.

My M.Tech from IIT Kanpur in Materials science & engineering made me suitable in many sense to carry out research the way it should be. I have worked on pig iron compositions that can be transformed into glass and then studied its wear and corrosion properties by having its coating on a mild steel substrate with the help of thermal spraying technique.

My B.Tech from Chhatrapati Sahu Ji Maharaj University in Materials Science and Metallurgical engineering gave me the base to go further in the field of materials science.

In my Ph.D., I would like to contribute to the field of Materials Science in a way that could sort out the problems associated with an industry such that ultimately it could serve our society for betterment.