MEMORANDUM

By this I declare that I have not previously submitted any of the work described in this thesis for any higher degree in this or in any other university. Of the last five years, I lost nearly one and a half year due to my severe illness. Except that I have engaged myself mainly in the study of 5 Gev/c antiproton interactions with silver and bromine nuclei of photonuclear emulsion.

A paper on the 'Complete disruption of oxygen nuclei by the capture of negative pi-meson in nuclear emulsion' was published in Indian J. Phys. (1971).

Another paper 'General characteristics of 5 Gev/c antiproton interactions with Ag and Br nuclei of nuclear emulsion', will be published in Indian J. Pure and Applied Physics very soon.

One more paper on 'A possible example of alternative decay mode of He\(^8\) observed in photonuclear emulsion' has been recently accepted for publication in Canadian J. Physics.

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(MISS INDUMATI LASKAR)