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## Declaration

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I do hereby declare that the Ph.D. thesis entitled “*Design of Algorithms to Solve some Labelling Problems on Graphs with Applications*” embodies original research work solely carried out by me in **Research Centre for Natural and Applied Sciences, Raja N.L.Khan Women's College (Autonomous), Affiliated to Vidyasagar University, Midnapore, West Bengal, India** under the guidance of Dr.Sukumar Monal, Associate Professor, Department of Mathematics, **Raja N.L.Khan Women's College (Autonomous)** and Professor Madhumangal Pal, Professor, Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal, India and no part of the thesis has been submitted for any degree or diploma in any University/ Institution.

**Date:** 15/07/2022

**Place:** Midnapore

*Nupur Patra*

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