South East Asian J. of Mathematics and Mathematical Sciences
Vol. 17, Proceedings (2021), pp. 51-58

ISSN (Online): 2582-0850

ISSN (Print): 0972-7752

FIBONACCI PRIME LABELING OF SNAKE GRAPH

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(**Received:** *Aug. 08, 2021* **Accepted:** *Oct. 01, 2021* **Published:** *Nov. 30, 2021)*

Special Issue
Proceedings of International Virtual Conference on
"Mathematical Modelling, Analysis and Computing IC- MMAC- 2021"

Abstract: Here we describe the Snake related graph into a Fibonacci prime Graph by the following condition, If there exist a one-to-one mapping between the vertex set and the fibonacci numbers then there is a mapping between edge set and natural numbers where the end points of the edges are relatively prime. This work is a continuation of S. Chandrakala, Dr. C. Sekar who introduced Fibonacci Prime Labeling. We represent Fibonacci Prime Labeling as *(FPL)*, Fibonacci Prime Graph as *(FPG)*.

Keywords and Phrases: Fibonacci Prime Labeling *(FPL)*, Fibonacci Prime Graph *(FPG)*.

2020 Mathematics Subject Classification: 05C78.

1. Introduction and Preliminaries

The finite, loopless and non-multiple edge, connected, bidirectional graph has been used in the current work. Let $G = (V', E')$ be a (p, q) graph where V', E', p and q denotes vertex set, edge set, the number of vertices, number of edges of the graph. Here we mentioned the Triangular Snake Graph as Δ_s^a, Double Triangular Snake graph as $D - \Delta_s^k$, Quadrilateral Snake Graph as Q_s^l, Double Quadrilateral Snake Graph as $D - Q_s^c$, $n-$ Polygonal Snake graph as $n - P_s^x$, where a, k, l, c, x