## Advances in **Engineering and Technology**

An International Journal

Volume 1, Issue 1

August 2021



## **Contents**

Prakash Gautam

Ranjan Raj Aryal, Ankit Bhattarai

Techno-Economic Analysis of the placement of the Capacitor in the Integrated Nepal Power System Manisha Shahi Thakuri, Hari Bahadur Darlami Utilization of Personal Protective Equipment in Construction Industry of Nepal 17 Uddhav Raj Aharya, Santosh Kumar Shrestha Digital Ultrasonic Sensing Device with Programmable Frequency: Development and Analysis 33 Manish Man Shrestha, Bibek Ropakheti, Uddhav Bhattarai, Ajaya Adhikari, Shreeram Thakur Application of Lee Model Curve on Fitting of Discharge Current Curve of Plasma Focus Device 47

1

9

57

Deterministic and Stochastic Holling-Tanner Prey-Predator Models

Bharat Bahadur Thapa, Samir Shrestha, Dil Bahadur Gurung

Sentiment Analysis on Covid-19 Vaccination Tweets Using Naïve Bayes and LSTM