

TABLE OF CONTENT

S. No.		Page No.
	Patron, Advisory board, Editor-In-Chief, Managing Editor, Editor	i
	Message from the Chairman	iii
	Message from Principal/, Editor-In-Chief	v
	Message from the Managing Editor	vii
1	<i>Use of Genetic Algorithm on Optimal Power Flow An Illustration of Transmission Line Loss Minimization</i> Author: Bishal Lamichhane and Mahesh Chandra. Luintel	1
2	<i>The Hydrogen passivated graphene cluster (H-graphene) and its stability - First principles Density Functional Theory</i> Author: Debendra Baniya	5
3	<i>Performance Comparison of Swastika and Rectangular Shaped Microstrip Patch Antenna</i> Author: Suroj Burlakoti and Prakash Rai	11
4	<i>Improvement of performance of short term electricity demand model with meteorological parameters</i> Author: Kamal Chapagain, Somsak Kittipiyakul, and Tomonori Sato	15
5	<i>Survey Inter-Reference Recency Based Page Replacement policies to cope with Weak Locality Workloads</i> Author: Arjun Singh Saud	23
6	<i>A Study on Travel Time Estimation for Pedestrian with GPS Cell Phones as Probes</i> Author: Himal Acharya	27
7	<i>Modeling and Simulation of 115.2 kWp Grid-Connected Solar PV System using PVSYST</i> Author: Ashok Aryal and Nawraj Bhattarai	31
8	<i>A New Approach to the design of DC Powered Induction Cooker</i> Author: Bikal Adhikari, Jagan Nath Shrestha, and Shree Raj Shakya	35
9	<i>Short Term Electric Load Forecasting of Kathmandu Valley of Nepal using Artificial Neural Network</i> Author: Binod Bhandari, Shree Raj Shakya, and Ajay Kumar Jha	43
10	<i>Performance Analysis of Non Burn Cooking Device using Commercial Grade Quick Lime as Heating Fuel</i> Author: Niswan Dhakal, Bhakta Bahadur Ale, and Nawaraj Bhattarai	49

11	<i>Human Resource Development Practices: Empirical Evidence from Nepal</i> <i>Rastra Bank</i> Author: Achyut Gnawali	57
	Aims and scope	a
	Policies and procedures	a
	Guidelines to authors	b
	Author and content index	c
	Copyright Agreement	
	Journal Template	