

## MSc Thesis

### Master of Science Engineering in Energy System Planning and Management (MSESPM)

S.N.	Thesis Title	Student Name	Supervisor	Year of Completion
1	RELIABILITY ANALYSIS OF HYDRO POWER STATION IN NEPAL: A CASE STUDY OF SUNKOSHI HYDRO POWER STATION	Deepak Sapkota	Prof. Tri RatnaBajracharya Mr. Mahesh Chandra Luintel	2014
2	FINANCIAL RISK ASSESSMENT OF INDEPENDENT TRANSMISSION LINE PROJECT IN NEPAL:A CASE STUDY OF CHILIME-TRISULI 220 kV TRANSMISSION LINE PROJECT	Dristi Pandey	Prof. Amrit Man Nakarmi	2014
3	STRATEGIZING DEMAND SIDE MANAGEMENT IN RESIDENTIAL SECTOR OF NEPAL AND ITS EFFECT ON ELECTRICITY PLANNING	Gaurav Singh Hamal	Prof. JaganNath Shrestha Dr. Ajay Kumar Jha	2014
4	IMPLICATION FO SUSTAINABLE LOW CARBON TRANSPORTATION DEVELOPMENT STRATEGY IN EMERGING CITY:A CASE OF KATHMANDU VALLEY	Harish Chandra Dhital	Dr. Shree Raj Shakya	2014
5	GREEN ENERGY IMPLEMENTATION STRATEGIES FOR INDUSTRIAL SECTOR,DHARAN,NEPAL	Ram Dayal Yadav	Dr. Rajendra Shrestha	2014
6	ENERGY EFFICIENT BUILDING IN KATHMANDU VALLEY-CASE STYDY OF PASSIVE AND CONTEMPORARY RESIDENTIAL BUILDING	TimilaBajracharya	Dr. Sushil Bajracharya and Dr. Shree Raj Shakya	2014
7	RENEWABLE ENERGY TECHNOLOGY SOLUTIONS FOR REMOTE TELECOM TOWERS OF NEPAL-A CASE STUDY OF NEPAL TELECOM	Shree Krishna Khadka	Prof. JaganNath Shrestha Dr. Shree Raj Shakya	2014
8	SYSTEM DESIGN TO MEET THE ENERGY DEMAND OF BROADCASTING STATION-A CASE OF NEPAL TELEVISION	Sher Mohammad Husain	Prof. Dinesh Kumar Sharma	2014
9	PROTOTYPE NET ZERO ENERGY FOR CONTEMPORARY RESIDENTIAL BUILDING OF KATHMANDU VALLEY	PravaThapaChhetri	Prof.TriRatnaBajracharya Dr. SushilBajracharya	2015
10		ShivaRaj Timalsina	Prof.RabindraNathBhattarai	2015

	ENERGY DEMAND ANALYSIS OF FIVE & FOUR STAR HOTELS IN KATHMANDU VALLEY		Mr. Bhisma Pandit	
11	SUSTAINABLE BUILDING RATING (SBR) SYSTEM FOR NEPAL – WITH A CASE IN KATHMANDU VALLEY	Saurabha Shakya	Prof. Dr. Tri Ratna Bajracharya Dr. Sushil Bajracharya	2015
12	MULTI-CRITERIA EVALUATION FOR THE OPTIMAL ADOPTION OF RENEWABLE ENERGY IN RESIDENTIAL SECTOR – A CASE STUDY OF KATHMANDU VALLEY	Utsav Shree Rajbhandari	Prof. Amrit Man Nakarami	2015
13	IMPACT STUDY ON DECENTRALIZED PV GENERATION FOR PEAK LOAD REDUCTION IN URBAN RESIDENTIAL SECTOR OF KATHMANDU VALLEY	Navin Raj Pudasaini	Dr. Nawaraj Bhattarai	2015
14	TECHNO ECONOMIC STUDY OF SOLAR-DIESEL HYBRID POWER SYSTEM FOR FM BROADCASTING STATION	Prakash Khadka	Prof. Jagan Nath Shrestha	2015
15	ENERGY AND ENVIRONMENT IMPLICATIONS OF STRATEGIES FOR GRADUATING NEPAL FROM LEAST DEVELOPED TO DEVELOPING COUNTRY	Yagya Prasad Gaire	Dr. Shree Raj Shakya	2015