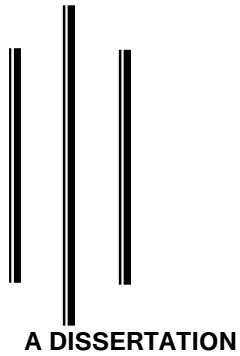


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LIFELINE SEISMIC DAMAGE EVALUATION IN A GIS ENVIRONMENT

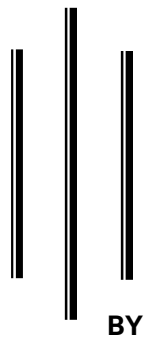
(A Case Study of Ilam Municipality, Eastern Nepal)



Submitted to the Central Department of Geography, Faculty of Humanities and Social Sciences in the Partial

Fulfillment of

the Requirements for Master's Degree in Geography



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LIFELINE SEISMIC DAMAGE EVALUATION IN A GIS ENVIRONMENT

(A Case Study of Ilam Municipality, Eastern Nepal)

Approved by

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Abbreviation

| | |
|--------|---|
| AC | Alternative Current |
| CBS | Central Bureau of Statistics |
| CDG | Central Department of Geography |
| DC | Direct Current |
| DUDBC | Department of Urban Development and Building Construction |
| ERA | Earthquake Risk Assessment |
| FEMA | Federal Emergency Management Agency |
| GDP | Gross Domestic Product |
| GIS | Geographical Information System |
| HH | Households |
| HH | Households |
| IDNDR | International Decade for Natural Disaster Reduction |
| INGO | International Government Organization |
| ITC | International Institute of Geo-information Science and Earth Observation |
| JICA | Japan International Cooperation Agency |
| KV | Kilo Voltage |
| MMI | Modified Mercally Intensity |
| MuAN | Municipal Association of Nepal |
| NEA | Nepal Electricity Authority |
| NGO | National Government Organization |
| NIBS | National Institute for Building Sciences |
| No | Numbers |
| NSET | National Society for Earthquake Technology |
| PGA | Peak Ground Acceleration |
| PGD | Peak Ground Deformation |
| PP | Pages |
| RADIUS | Risk Assessment tools for Diagnosis of Urban Areas Against Seismic Disasters |
| RM | Reinforced Masonary |
| RS | Remote Sensing |
| RUPP | Rural Urban Partnership Programme |
| SA | Spectral Acceleration |
| SD | Spectral Displacement |
| SEDM | Study on Earthquake Disaster Management |
| SLARIM | Strengthening Local Authorities in Risk Management |
| T.U. | Tribhuvan University |
| UN | United Nations |
| UNDP | United Nations Development Program |
| URM | Unreinforced Masonary |
| VDC | Village Development Committee |
| VDC | Village Development Committee |

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