



**Ragani Chandeshwori Campus**

**Khijidemba-2, Ragani, Okhaldhunga**

**Course Contents of climate Change Mitigation**

**1. Introduction to climate change**

- Definition and key concepts
- Greenhouse effect and global warming
- Introduction to climate system
- Causes of climate change
- Climate change scenario in Nepal

**2. Climate change impacts**

- Climate change impacts on: water resources, agriculture and food security, biodiversity, human health, economy and livelihoods

**3. Climate change adaptation**

- Introduction to climate change adaptation
- Key adaptation strategies: community -based adaptation, ecosystem-based adaptation, disaster risk reduction, climate smart agriculture, water resource management.
- National plans, policies and strategies: Nepal' NAPA , climate change policy, and LAPA
- Local and traditional knowledge for adaptation

**4. Climate change mitigation**

- Concept
- Mitigation strategies and global effort to reduce emission
- Responding to mitigation challenges and ways to reduce emission

