

**Nepal Technology Innovation Center  
Kathmandu University**

12 August 2021

Subject: Application call for Internship at Nepal Technology Innovation Center

Nepal Technology Innovation Center (NTIC) an autonomous body at Kathmandu University calls an application for internship to promote technology innovation for improving quality of life and income status of people through integrated rural development of Nepal. NTIC provide services in the field of Agricultural and Rural Development, Alternative and Renewable Energy and Health related livelihood.

Applications from qualified and dedicated candidates are hereby invited for following activities.

S. No.	Proposed Activity	No.
1	Biomass characterization of fast growing trees available in mid-hill and terai region for energy purpose in Nepal.	1
2	Biomass characterization of agricultural residue available in mid-hill and terai region for energy purpose in Nepal.	1
3	Technical and socio-economic assessment for production of biomass pellet as an alternative fuel for combustion.	1
4	Emission characterization of different biomass (firewood, agriculture residue & animal Waste).	1
5	Personal exposure monitoring of indoor air pollution and its health impact study.	1
6	Personal exposure to air pollutants in different modes of transportation.	1

**Desired qualification and experiences:**

1. Students from Undergraduate 4<sup>th</sup> year and Masters level with background preferably in Mechanical Engineering (All Sub division) and Environment Engineering/Science
2. Excellent communication / writing skills (Both English and Nepali)
3. Good Command over office packages

**Role and Responsibility:**

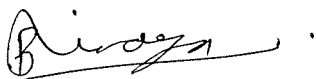
1. Conduct research on above proposed activity
2. Conduct field work for collection of samples for characterization of biomass, both fast growing trees and agricultural residue.
3. Conduct laboratory instrumentation and experimentation for data analysis
4. Prepare technical reports

**Application process:**

Eligible applicants should submit a cover letter stating the motivation for desired proposed activity, complete CV and recommendation letter from the Head of the Department or Internship Coordinator chronologically in a single pdf file to [irdp@ku.edu.np](mailto:irdp@ku.edu.np) not later than **19 August 2021**.

The subject of email should be **Application for Internship**.

Note: Internship will be of 3 months' period. Only shortlisted candidates will be notified for interview with decision from selection committee. Selected candidates are expected to join immediately.



Dr. Binaya KC  
Project Coordinator  
Integrated Rural Development Project/ Nepal Technology Innovation Center  
(IRD/NTIC)