

## **Madan Bhandari University of Science and Technology**

### **Call for Applications for Academic Staff Positions**

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Madan Bhandari University of Science and Technology (MBUST) invites applications for academic staff positions. The MBUST is the first research-oriented university in Nepal established upon promulgation of the MBUST Act, 2079 (2022 AD), which provides extensive autonomy to the University. The mission of the University is **to build a prosperous and just Nepal**. To attain this mission the University has chosen the vision *to be a world-class university*.

The University provides a unique opportunity to contribute to the rapid development of the economy of Nepal by developing new knowledge and technology so that the products of Nepal become more competitive in the world market. Applications are invited from candidates who are committed to the mission and vision of the University and have strong academic backgrounds and research credentials. Preference will be given to applicants with bold research, development, and innovation ideas, which have the potential to make significant contributions to the development of the country.

Within the short span of its life, the University has developed a distinct identity as an institution free of corruption and partisan politics. It practices strict meritocracy and zero tolerance for favoritism, nepotism, and discrimination based on caste, creed, gender, nationality, and religion. The university strives to provide the best opportunity for pursuing research careers for staff so that they are able to contribute to the fullest capacity to further scientific knowledge and technology and the development of the country and world as a whole. Joining the MBUST would be capitalizing on a lifetime opportunity to make a difference for Nepal. Those who yearn to live a dignified life as a Nepali citizen should not miss this opportunity.

To contribute to the economic development of the country the University has adopted the strategy of aligning its teaching and research with real-life problems of the industry. For example, it has entered into a partnership with Larke Himal Jadibuti Udhyog Pvt. Ltd. to conduct research aimed at supporting the needs of the industry. Larke Himal has been providing scholarships to three students engaged in research related to its needs. This strategy apart from contributing to the economic development should also help the University to produce "job creators rather than job seekers".

To maximize the impact of the University research, development, and innovation (RDI) activities on the economy it has adopted the strategy of concentrating its RDI activities on selected areas of the economy with significant potential for contributing to the economic development. Consistent with this strategy the MBUST has selected the following areas for its engagement to begin with: Organic Agriculture, Forest Biomaterials, Digital Technology, Tourism Infrastructure, and Water Resources and Energy. The MBUST activities are guided by the cross-cutting themes: sustainable development, climate change mitigation, hill development, and inclusiveness including gender equity.

In December 2023, the University enrolled the first students in Research Master's in Applied Sciences, PhD in Organic Agriculture, and PhD in Forest Biomaterials Science and Engineering. It is planning to start a Research Master's in Applied Sciences in Artificial Intelligence and Data Science and a PhD in Artificial Intelligence and Research Master's in Applied Sciences in Forest Biomaterials Science and Engineering. Preparations are underway for offering graduate programs in Tourism Infrastructure and Rural Housing.

Staff positions to be filled under this call are for the purpose of teaching and research associated with the above programs. The curriculum for all the above programs except for Rural Housing, which is yet to be developed, can be downloaded from the website [www.mburst.edu.np](http://www.mburst.edu.np). Applicants should be able to offer three courses each of four credits per year including at least one core course (please refer to the website for the curriculum), supervise student research, and be engaged in outreach activities. Staff are expected to spend 40% of their time in teaching, 40% in research, and 20% in institutional and community service.

The academic staff is also expected to be actively engaged in fundraising for the research as well as for the University in general. They should be able to secure funding for research by accessing research grants as well as sponsorships from industries.

Candidates with PhD in related fields, preferably with postdoc experience, from reputed universities are welcome to apply. Qualifications for academic staff posts and terms and conditions for employment are defined in the Personnel Administration Rules, 2080, and the remuneration scales in the Financial Management Rules, 2080.

All University Rules are available on the above website. Interested individuals are advised to study all these Rules, especially the Rules Relating to Conflict of Interest, 2080. In the interest of maintaining the highest level of integrity of the staff and the accountability of the University, all staff should abide by these Rules. Considering the serious damages inflicted upon higher education institutions in Nepal by the partisan politics all staff selected should commit to refrain from engaging in partisan politics.

The University is located in the lush green Chitlang Valley, which is about 25 km from the center of Kathmandu City, the capital of Nepal. The Chandragiri range separates Kathmandu Valley from Chitlang Valley. Chitlang is a historical settlement with a rich heritage. It has developed as a tourist hub.

This call is open to Nepali citizens, non-resident Nepalese, and non-Nepali citizens. Female candidates as well as disadvantaged communities are welcome to apply.

The staff positions open for application for various programs are provided below. This Call for Applications is open till March 17, 2024. However, applications may be submitted beyond the last date. They may be considered if there is time for processing them. This does not imply that the University is obliged to process applications received after the deadline.

### **Organic Agriculture Program**

Professor/Associate Professor/ Assistant Professor

Up to four positions

Areas of specialization: Organic Agriculture, Soil Science, Plant Pathology, Mycology, Horticulture, Plant Nutrition, Agronomy, Microbiology, Post-Harvest Technology, Agriculture Engineering, Mechanical Engineering and other relevant areas

### **Forest Biomaterials Program**

Professor/Associate Professor/ Assistant Professor

Up to four positions

Areas of specialization: Forest Bio-Materials, Bio-Technology, Wood Science, Structural Engineering, Botany, Natural Products Chemistry, Forestry, Mechanical Engineering, Environmental Science, Chemical Engineering and other relevant areas

### **Digital Technology (Artificial Intelligence and Data Science)**

Professor/Associate Professor/ Assistant Professor

Up to four positions

Areas of specialization: Artificial Intelligence, Data Mining, Data Science, Machine Learning, Computer Vision, Natural Language Processing, Deep Learning, Internet of Things and other relevant areas

### **Tourism Infrastructures and Rural Housing Programs**

Professor/Associate Professor/ Assistant Professor

Up to two positions

Areas of specialization: Tourism Infrastructure, Tourism Science, Civil Engineering, Architecture, Computer Science/Engineering, Rural Housing, Building Science, and other relevant areas.

The applications are to be submitted to the email: [info@mbust.edu.np](mailto:info@mbust.edu.np). For more information in this regard, please contact the office on mobile numbers 9840088016 or 9849848053. The following documents should be submitted with the application:

1. Application
2. CV

3. Area of research in PhD and postdoc
4. An essay of up to 1,000 words on how the applicant is expected to contribute to the University and Country
5. List of publications with Google Scholar Citations page and Scopus Citation Index
6. Teaching experience describing courses developed/taught and teaching materials prepared
7. List of PhD students who successfully supervised the topic of the dissertation and key contributions to the science and economy
8. List of research grants received with amount and funding agency
9. Experience of leadership
10. Special skills
11. List of patents
12. Names and contact information of three referees, who have directly supervised the applicant and would be willing to be approached by the University

The shortlisted candidates will be notified by email and the shortlist will be made public via the University website.