Madan Bhandari University of Science and Technology

Call for Applications for Faculty Member Positions

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

MBUST offers an exceptional platform for scholars and researchers to contribute to Nepal's rapid economic development by generating new knowledge and technologies that enhance the global competitiveness of Nepali products and industries. We seek candidates with strong academic credentials and proven research record who are committed to the University's mission and vision. **Preference will be given to applicants with bold innovative research and development ideas**, that hold promise for advancing knowledge and making significant contribution to the nation's development.

Within the short span of time, MBUST has established itself as a **distinct institution free of corruption and partisan politics**. It upholds strict meritocracy and maintains **zero tolerance to favoritism, nepotism or discrimination** of any kind – whether based on caste, creed, gender, nationality and religion. The University is committed to creating the **best possible environment for academic staff to pursue research career,** empowering them to contribute fully to the advancement of scientific knowledge, technological innovation, and the sustainable development of Nepal and the world. Joining MBUST is a more than career move, it is **once-in-a lifetime opportunity to make a difference for Nepal**. For those who yearn to live with dignity as Nepali citizens and shape future through knowledge and innovation, this is the moment not to be missed.

To drive Nepal's economic development, MBUST has adopted a strategy of **aligning teaching and research with real-world industry challenges**. The University has already partnership with Larke Himal Jadibuti Udhyog Pvt. Ltd. to advance research supporting the herbal industry, with Green Bamboo Creation to position bamboo as a cornerstone of Nepal's green economy and with Ares Mushroom Farm and Indreni Mushroom Farm to support the mushroom industry, which has been relying solely on foreign technical support. Through these collaborations, industry partners not only guide research direction but also provide scholarships and financial support to students, ensuring that academic inquiry directly contribute to solving national problems. This approach is designed not only to fuel economic growth but also to help MBUST fulfill its mission of producing "**job creators rather than job seekers**."

To maximize the impact of its research, development and innovation (RDI) on national progress, MBUST has adopted a strategy of concentrating its RDI activities on selected sectors of economy with significant potential for transformative growth. In line with this approach, the University has identified the following areas for initial engagement: Organic Agriculture and Food, Forest Biomaterials, Digital Technology, Sustainable and Resilient Infrastructure and Water Resources and Energy. All RDI activities are guided by the cross-cutting themes that define MBUST's academic ethos: sustainable development, climate change mitigation, hill development, and equity, including gender equity.

In December 2023, MBUST welcomed first cohort of PhD students in Organic Agriculture and Forest Biomaterials Science and Engineering, along with research-based Master of Applied Science in Organic Agriculture. Since then, successive intakes have taken place in May 2024, November 2024 and May 2025, with admission currently open for November 2025 session. The University is offering the following advanced programs: a) PhD and Master's in Organic Agriculture; b) PhD and Master's in Forest Biomaterials Engineering and Science; c) PhD and Master's in Artificial Intelligence; d) Master's in Data Science; and PhD and Master's in Sustainable and Resilient Infrastructure. These programs embody MBUST's commitment to cutting-edge, research-driven education that directly addresses Nepal's development priorities while preparing graduates to make meaningful contribution at the global level.

At present there are 10 academic staff and 37 students. The enrollment is expected to grow slowly. To attract talented students the University intends to provide financial assistance to graduate students subject to availability of funding. At present, the University is providing full tuition fee waiver and scholarship of Rs.20,000 per month for 36 months to two PhD students and full tuition waiver only to two additional students. At the Master's level, the University is providing full tuition fee waiver and scholarship of Rs.12,000 per month for 24 months to two students, full tuition waiver only to two additional students, 75% tuition fee waiver to additional 2, 50% to additional 2 and 25% to additional 8.

The curriculum for the academic programs is available at www.mbust.edu.np. Applicants should be able to offer three courses of up to four credits per year including at least one core course, 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 holding a PhD in relevant fields, preferably with postdoctoral experience from reputed universities, are invited to apply. The qualifications for academic staff and terms and conditions of employment for regular, adjunct and practice positions are defined in the *Personnel Administration Rules, 2080,* while remuneration scales are outlined in the in the *Financial Management Rules, 2080*.

All University Rules are accessible on the official website. Interested applicants are strongly encouraged to review them carefully, with particular attention to *Rules Relating to Conflict of Interest, 2080*. In order to uphold highest standard of integrity and accountability, all staff members are required to abide by these Rules. Given the serious damage that partisan politics has caused to higher education in Nepal, faculty members selected for MBUST must also make a firm commitment to **refrain from engaging in partisan political activities**.

The University is located at lush green Chitlang Valley, which is at 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 rich heritage. It has developed into a tourist hub.

This call is open to Nepali citizens, non-resident Nepalese and non-Nepali citizens. MBUST is committed to diversity, equity and inclusion. Female candidates and applicants from disadvantages communities are strongly encouraged to apply.

The process of the selection of candidates based on the applications received till October 29, 2025 starts from November 10, 2025 but applications can be accepted and processed until the positions are filled.

This Call is for the posts listed below.

A. Professor/Associate Professor/Assistant Professor

Full-Time Positions

1. *Organic Agriculture – up to 2 positions*

Areas of specialization: Organic Agriculture, Agronomy, Entomology, Horticulture, Soil Science, Food Technology, Agriculture Engineering, Mechanical Engineering and other relevant areas

2. *Forest Biomaterials Science and Engineering – 1 position*

Areas of specialization: Computational Chemistry and other relevant areas

3. *Digital Technology – up to 3 positions*

Areas of specialization: Artificial Intelligence, Machine Learning, Computer Vision, Natural Language Processing, Deep Learning, Data Mining, Data Science, Data Analytics and Visualization, Data Engineering and Architecture, Internet of Things, Emerging Technologies (Blockchain, Robotics, Edge Computing etc.), Computer Science, Cybersecurity, Digital Forensics, and other relevant areas

4. *Sustainable and Resilient Infrastructure – 1 position*

Areas of specialization: Building Science, and other relevant areas

B. Adjunct Faculty Members: Professor/Associate Professor/Assistant Professor

Part-Time Positions

1. *Organic Agriculture – up to 4 positions*

Areas of specialization: Organic Agriculture, Agronomy, Entomology, Horticulture, Soil Science, Food Technology, Agriculture Engineering, Mechanical Engineering, Agribusiness Management, and other relevant areas

2. *Forest Biomaterials Science and Engineering – up to 2 positions*

Areas of specialization: Forest Biomaterials, Materials Science/Engineering, Timber Technology, Bamboo Technology, Wood Science, Computational Chemistry, Biotechnology, Bio-engineering and other relevant areas

3. *Digital Technology – up to 10 positions*

Areas of specialization: Artificial Intelligence, Machine Learning, Computer Vision, Natural Language Processing, Deep Learning, Data Mining, Data Science, Data Analytics and Visualization, Data Engineering and Architecture, Internet of Things, Emerging Technologies (Blockchain, Robotics, Edge Computing etc.), Computer Science, Cybersecurity, Digital Forensics, and other relevant areas

4. *Sustainable and Resilient Infrastructure – up to 2 positions*

Areas of specialization: Building Science, Tourism Economics, Sociology, Sustainability Sciences, Water Supply and Sanitation, Sustainable Rural Tourism Infrastructure, Environmental Anthropology, Vernacular Architecture, and other relevant areas

C. Faculty Members of Practice: Associate Professor/Assistant Professor

Part-Time Positions

1. *Organic Agriculture – up to 3 positions*

Areas of specialization: Organic Agriculture, Agronomy, Entomology, Horticulture, Soil Science, Food Technology, Agriculture Engineering, Mechanical Engineering, Agribusiness Management and other relevant areas

2. *Forest Biomaterials Science and Engineering – up to 2 positions*

Areas of specialization: Forest Biomaterials, Materials Science/Engineering, Timber Technology, Wood Science, Bio-engineering, Computational Chemistry and other relevant areas

3. *Digital Technology – up to 2 positions*

Areas of specialization: Artificial Intelligence, Machine Learning, Computer Vision, Natural Language Processing, Deep Learning, Data Mining, Data Science, Data Analytics and Visualization, Data Engineering and Architecture, Internet of Things, Emerging Technologies (Blockchain, Robotics, Edge Computing etc.), Computer Science, Cybersecurity, Digital Forensics, and other relevant areas

4. *Sustainable and Resilient Infrastructure – 1 position*

Areas of specialization: Building Science, Vernacular Architecture, Sustainable Rural Tourism Infrastructure and other relevant areas

The available positions will be filled only if suitable candidates are identified.

The applications are to be submitted to the email: info.sc@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**: An application letter indicating the area(s) of specialization and motivation for joining the University.
2. **Curriculum Vitae (CV)**: Comprehensive CV highlighting education, academic and professional experience, achievements, and recognitions.
3. **Research Interests:** Areas of research, development and innovation activities; areas of research in PhD and postdoctoral assignment to be included by fresh PhD graduates.
4. **Essay (up to 1,000 words)**: Outline how the applicant is expected to contribute to the University's mission and vision.
5. **List of Publications:** Include full list of peer-reviewed journal articles, conference proceedings, and other scholarly works, along with links to Google Scholar Citations and Scopus Citation Index profiles
6. **Teaching Experience:** Include the list of courses developed/taught, teaching materials or digital resources prepared.
7. **Supervision of MS/PhD Students** – Provide list of MS/PhD students successfully supervised, including thesis/dissertation titles. Highlight list of students completing research-based programs, if any.

8. **Research Grants**: List of grants received, specifying project title, funding agency, total amount, and applicant's role.
9. **Leadership Experience**: Evidence of leadership roles in academia, research projects, professional bodies, collaborative initiatives and others.
10. **Special Skills**: Technical, managerial, interdisciplinary and other relevant skills.
11. **Patents**: List of patents granted or applied.
12. **References**: Names and contact information of three referees who have directly supervised the applicant and would be willing to be approached by the University.

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For additional information you may contact the following faculty members:

Program	Name	Mobile	Email
Organic Agriculture	Dr. Bhushan Shrestha	9810198318	bhushan.shrestha@mbust.edu.np
Forest Biomaterials Science and Engineering	Dr. Sabina Shrestha	9841270278	sabina.shrestha@mbust.edu.np
Sustainable and Resilient Infrastructure	Dr. Kishor Timsina	9849147792	kishor.timsina@mbust.edu.np
Digital Technology	Dr. Rajib Subba	9705048776	rajib.subba@mbust.edu.np

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