JIGME NAMGYEL ENGINEERING COLLEGE
ROYAL UNIVERSITY OF BHUTAN
POSITION PROFILE

1. JOB IDENTIFICATION

1.1. Position Title: Associate Professor/Assistant Professor/Lecturer/Associate Lecturer

1.2. Position Level: 2/3/4/5/6

1.3. Occupational Group: Academics

1.4. College/OVC: Jigme Namgyel Engineering College

1.5. Mode of Employment: Fixed Term Appointment

2. MAIN PURPOSE OF THE POSITION:

Undertake academic teaching and assessment for the Joint Programme in Cyber Security at the undergraduate level. You will deliver high-quality teaching, supervise student projects, contribute to applied research, and support joint academic delivery with a partner institution while aligning with the academic standards of the Royal University of Bhutan.

3. GENERAL ROLES AND RESPONSIBILITIES:

Teaching

- Teach at least two modules per semester in the Cyber Security programme
- Design and deliver lectures, labs, and tutorials using modern cybersecurity tools
- Set, moderate, and mark assessments in line with programme regulations
- Provide academic advising and mentoring to students
- Develop and update learning materials aligned with industry practices
- Participate in joint delivery coordination with partner faculty

Research and Innovation

- Supervise undergraduate projects and capstone work
- Conduct applied or academic research in cybersecurity-related areas
- Publish research outputs and present at conferences where feasible
- Support grant writing and innovation activities related to cybersecurity

Services

- Contribute to programme coordination and quality assurance activities

- Contribute as a resource person, coordinator, or organiser for various professional development activities within the College/University, as well as for those outside.
- Participate in developing and promoting a clear vision of the College's strategic direction.
- Support outreach, training, and awareness programmes in cybersecurity
- Represent the college in joint academic and industry engagements
- Assist in organising workshops, seminars, and professional events

4. SPECIFIC ROLES AND RESPONSIBILITIES:

Teaching and assessment of the following modules:
  i. Computer Networks and Security
  ii. Operating System Security
  iii. Network Security and Firewalls
  iv. Ethical Hacking and Penetration Testing
  v. Digital Forensics
  vi. Secure Web and Application Development
  vii. Cyber Law, Ethics, and Governance
  viii. Security Operations and Incident Response

The specific tasks involve:
  i. Provide continuous academic and technical guidance to students
  ii. Maintain accurate academic records and assessment documentation
  iii. Coordinate with joint programme partners on delivery and assessment
  iv. Integrate current cyber threats, tools, and standards into teaching
  v. Continuously review and improve teaching effectiveness

5. KNOWLEDGE, SKILLS & ABILITIES (KSA) REQUIREMENTS:

5.1. Education: PhD/Master/Bachelor's Degree in Cyber Security, Information Security, Computer Science with specialisation in Security, Network Security, Digital Forensics, or a closely related security-focused discipline.

Candidates with a Master's Degree in Computer Science or Information Technology must demonstrate a strong academic or professional focus in cybersecurity or information security through coursework, research, or industry experience

5.2. Experience: Teaching or industry experience in cybersecurity or related domains. Experience with labs, simulations, or security tools is an advantage

5.3. Knowledge, Skills and Abilities:

- Strong foundation in cybersecurity concepts and practices
- Ability to teach both theory and hands-on practical modules
- Skills in research, analysis, and academic writing
- Ability to work effectively in a joint and collaborative environment
- Commitment to continuous professional development
- Flexibility to adapt teaching methodologies and materials to meet the diverse learning needs of students, and to stay up-to-date on emerging trends and technologies in the field of Security.