



UGANDA INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY

EXTERNAL ADVERT

VACANCY ANNOUNCEMENT FOR CONSULTANTS (LECTURERS) DIPLOMA, CERTIFICATE, AND SHORT COURSES

1. INTRODUCTION

Uganda Institute of Information and Communications Technology (UICT) is a Public Tertiary Institution established by Statutory Instrument No. 79 of October 2005. The Institute is operated and managed by the Uganda Communications Commission (UCC), the regulator of the Communications Sector in Uganda.

Located at Plot 9–21 Port Bell Road, UICT is committed to becoming a Centre of Excellence, particularly in education and human resource capacity building in the field of ICT and related disciplines.

UICT seeks applications from qualified individuals to serve as Consultants (Lecturers) on a temporary basis for Diploma, Certificate, and Short Courses in the following areas:

2. POSITIONS AND REQUIREMENTS

Area	Minimum Qualifications	Professional Certifications (Mandatory)	Experience
E-Governance & Digital Transformation	Bachelor's degree in E-Governance, Information Systems, Public Administration, ICT Policy, or a related field.	a) Certified Digital Transformation Professional b) ITIL Certification c) PRINCE2 (Project Management in IT & Digital Services)	a) 3–5 years of industry, teaching, or consulting experience in E-Governance, Digital Transformation, or ICT for Development. b) Evidence of applied research or practical projects in digital service delivery and governance. c) Experience with ICT policy frameworks and digital platforms.
Software Engineering	Bachelor's degree in Software Engineering, Computer	a) Certified Software Engineer	a) 3–5 years of experience in Software Engineering, AI Integration, or Cybersecurity

	Science, or a related field (Master's degree is an added advantage).	<ul style="list-style-type: none"> b) Oracle Certified Professional: Java SE c) Microsoft Certified: Azure Developer Associate d) Google Professional Cloud Developer 	<ul style="list-style-type: none"> b) Evidence of applied research or practical projects in software development, deployment, or testing. c) Experience with tools such as Python, Java, JavaScript, Git, DevOps, Cloud Computing, or AI technologies
Financial Technology	Bachelor's degree in Financial Technology, Finance, Computer Science, or a related field (Master's degree is an added advantage).	<ul style="list-style-type: none"> a) Certified Blockchain Professional b) Certified FinTech Practitioner c) Chartered Financial Analyst (CFA) Level 1 or above d) Certified Payments Professional (CPP) 	<ul style="list-style-type: none"> a) 3–5 years of industry, teaching, or consulting experience in Financial Technology, Digital Payments, or Blockchain Technologies. b) Evidence of applied research or practical projects in FinTech innovation, financial analytics, or digital banking c) Experience with tools like Python, R, SQL, Blockchain platforms, AI for finance, or cloud-based financial systems.
Data Science	Bachelor's degree in Data Science, Statistics, Computer Science, or a related field (Master's degree is an added advantage).	<ul style="list-style-type: none"> a) Google Data Engineer b) AWS Data Analytics c) Microsoft Certified: Azure Data Scientist d) IBM Data Science Professional Certificate 	<ul style="list-style-type: none"> a) 3–5 years of experience in Data Science, AI, Machine Learning, or Analytics b) Evidence of applied research or practical projects in big data, data engineering, or business intelligence. c) Experience with tools like Python, R, SQL, Tableau, Power BI, Hadoop, or cloud-based data analytics platforms.

Business Computing	Bachelor's degree in Business Computing, Information Systems, Business Administration (with IT specialization), or a related field.	a) Certified Business Analyst Professional (CBAP) b) Microsoft Certified: Dynamics 365 Fundamentals c) SAP Business Technology Certification d) Certified Information Systems Auditor (CISA)	a) 3–5 years of teaching, industry consulting, or applied research experience in Business Computing, IT Management, or Business Information Systems. b) Evidence of applied research or projects in Business Process Automation, ERP Systems, or IT for Business Efficiency. c) Experience using tools such as SAP, Microsoft Dynamics, QuickBooks, Power BI, or CRM platforms.
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3. NATURE OF ENGAGEMENT AND COMPENSATION

This is a temporary consultancy engagement with competitive compensation based on experience and qualifications. The duration and terms of engagement will be communicated upon selection.

4. HOW TO APPLY

Eligible candidates should submit the following documents in **PDF format only**.

- a) Cover letter addressed to the **Institute Secretary**
- b) CV
- c) Copies of academic certificates
- d) Previous appointment letters
- e) Any relevant supporting documents

Click the link to apply: <https://forms.gle/A4KfJz2pB5f5w1wJ8>

Deadline: 1st April 2025

5. IMPORTANT NOTES:

1. Applications and documents submitted in picture format shall not be considered.
2. Applications received beyond 1st will not be considered.
3. Only shortlisted applicants will be notified within a period of 2 weeks after the deadline.
4. Any form of canvassing will lead to disqualification.
5. Positions not provided for in this advert or previously advertised with an expired deadline should not be applied for.
6. For more details about jobs see information below:

TERMS OF REFERENCE FOR THE TEMPORARY CONSULTANTS

Introduction

The Uganda Institute of ICT seeks to recruit temporary/part-time highly skilled and competent consultants, professionals, and industry experts to deliver on its mandate of ICT specialized training, applied research, and consultancy services.

The required consultants will facilitate the implementation of diploma and certificate programs in **E-Governance & Digital Transformation, Software Engineering, Financial Technology, Data Science, and Business Computing**. Below are the details of job and person specifications for each program.

1. POSITION TITLE: CONSULTANT/LECTURER IN BUSINESS COMPUTING

1.1 Purpose

To deliver high-quality education, conduct impactful research, and provide consultancy services in Business Computing, contributing to academic excellence, innovation, and the integration of ICT solutions in business processes.

1.2 Scope of Work

The Consultant will be responsible for teaching courses in Business Computing, mentoring students, conducting research in areas such as enterprise systems, business intelligence, and digital business strategies, and engaging with industry stakeholders to address challenges in business computing.

1.3 Key Responsibilities

1.3.1 Teaching and Learning

- a) Teach courses in Business Computing, including database management, business analytics, enterprise resource planning (ERP), and e-commerce.
- b) Develop, deliver, and evaluate instructional materials and assessments aligned with institutional goals and NCHE standards.
- c) Incorporate innovative teaching methodologies, such as case studies, simulation labs, and real-world business applications.
- d) Mentor and guide students in academic and professional development, including capstone projects and research initiatives.
- e) Regularly assess and refine teaching practices to align with global trends and best practices in Business Computing education.

Deliverables:

- a) Comprehensive course designs, lecture plans, and assessments.
- b) Enhanced student learning outcomes and career readiness.

1.3.2 Research and Innovation

- a) Conduct applied research in areas such as business intelligence, cloud computing for enterprises, and digital transformation strategies.
- b) Publish research in reputable journals and present findings at international conferences.
- c) Lead interdisciplinary research projects and secure research funding from public, private, and international sources.
- d) Collaborate with academic peers and industry stakeholders to develop innovative ICT solutions for business.
- e) Supervise student research projects addressing real-world business computing challenges.

Deliverables:

- a) Research publications, patents, or prototypes.
- b) Practical solutions and tools for business applications.
- c) Secured research grants and industry collaborations.

1.3.3 Industry Engagement and Consultancy

- a) Offer consultancy services in business process automation, digital business strategy, and enterprise systems implementation.
- b) Design and deliver workshops, training programs, and capacity-building initiatives for industry stakeholders.
- c) Build and maintain partnerships with businesses and technology service providers.
- d) Promote the adoption of digital transformation best practices in business operations.

Deliverables:

- a) Consultancy reports and solutions for industry clients.
- b) Partnerships with stakeholders.
- c) Community-based business computing initiatives.

1.3.4 Curriculum Development and Quality Assurance

- a) Collaborate in designing and updating curricula compliant with NCHE standards and global trends in Business Computing.
- b) Integrate emerging technologies such as cloud computing, artificial intelligence in business, and business process automation into course content.
- c) Contribute to program accreditation and quality assurance processes.
- d) Develop and implement strategies for continuous improvement in teaching and learning.

Deliverables:

- a) Updated, industry-aligned curricula.

- b) Accreditation-ready program documentation.

1.3.5 Professional Development

- a) Attend workshops, conferences, and certification programs in Business Computing and related areas.
- b) Stay updated on emerging tools, technologies, and methodologies in Business Computing.
- c) Share knowledge through mentoring junior staff and contributing to institutional capacity building.

Deliverables:

- a) Evidence of professional development activities (e.g., certifications, conference participation).
- b) Mentorship of junior staff and knowledge-sharing initiatives.

1.3.6 Ethics and Inclusivity

- a) Promote academic integrity and uphold ethical standards in teaching, research, and consultancy.
- b) Support diversity and inclusivity in academic programs and professional activities.
- c) Advocate for ethical and responsible use of business computing solutions.

Deliverables:

Evidence of ethical practices and inclusive policies in teaching and research.

1.4 Key Performance Indicators (KPIs)

- a) Number of courses delivered and student evaluations.
- b) Research publications and completed projects.
- c) Consultancy engagements and partnerships.
- d) Contributions to curriculum updates and accreditation.
- e) Participation in professional development activities.

1.5.3 Skills and Competencies

- a) Strong technical skills in business computing, enterprise solutions, and data analysis.
- b) Ability to communicate complex concepts effectively to students and stakeholders.
- c) Proficiency in using Learning Management Systems (LMS) and online teaching tools.
- d) Analytical thinking and problem-solving skills to address business computing challenges.

1.5.4 Attributes

- a) Commitment to ethical and transparent use of technology in business.
- b) Passion for teaching, mentoring, and lifelong learning.
- c) Innovative mindset and ability to adapt to emerging technologies.

2. POSITION TITLE: CONSULTANT IN E-GOVERNANCE & DIGITAL TRANSFORMATION

2.1 Purpose

To deliver high-quality education, conduct impactful research, and provide consultancy services in E-Governance & Digital Transformation, contributing to academic excellence, innovation, and the effective implementation of digital systems in governance and public service.

2.2 Scope of Work

The Consultant will be responsible for teaching courses on E-Governance, digital transformation, ICT policy, and smart governance, mentoring students, conducting research, and engaging stakeholders to address digital transformation challenges.

2.3 Key Responsibilities

2.3.1 Teaching and Learning

- a) Teach courses in E-Governance, digital transformation strategies, ICT policy, and smart governance.
- b) Develop, deliver, and evaluate instructional materials and assessments aligned with institutional goals and NCHE standards.
- c) Incorporate innovative teaching methodologies such as case studies, simulation labs, and industry-relevant projects.
- d) Mentor and guide students in academic and professional development, including capstone projects and research initiatives.
- e) Regularly assess and refine teaching practices to align with global trends and best practices.

2.3.2 Research and Innovation

- a) Conduct applied research in areas such as digital transformation frameworks, e-service delivery, and public sector technology adoption.
- b) Publish research in reputable journals and present findings at international conferences.
- c) Lead interdisciplinary research projects and secure research funding from public, private, and international sources.
- d) Collaborate with academic peers and industry stakeholders to develop innovative digital solutions for governance.
- e) Supervise student research projects addressing real-world challenges.

2.3.3 Industry Engagement and Consultancy

- a) Offer consultancy services in digital strategy formulation, ICT policy development, and e-governance system implementation.
- b) Design and deliver workshops, training programs, and capacity-building initiatives.
- c) Build and maintain partnerships with public and private sector organizations.
- d) Promote the adoption of digital transformation best practices in governance.

2.3.4 Curriculum Development and Quality Assurance

- a) Collaborate in designing and updating curricula compliant with NCHE standards and global trends.
- b) Integrate emerging technologies into course content.
- c) Contribute to program accreditation and quality assurance processes.
- d) Develop and implement strategies for continuous improvement.

2.3.5 Professional Development

- a) Attend workshops, conferences, and certification programs.
- b) Stay updated on emerging tools, technologies, and methodologies.
- c) Share knowledge through mentoring junior staff and institutional capacity-building.

2.3.6 Ethics and Inclusivity

- a) Promote academic integrity and uphold ethical standards.
- b) Support diversity and inclusivity in academic programs.
- c) Advocate for ethical use of digital technologies and promote transparency.

2.4 Deliverables

- a) Comprehensive course designs, materials, lecture plans, and assessments.
- b) Enhanced student learning outcomes and career readiness.
- c) Research publications, patents, or prototypes.
- d) Practical solutions and tools for governance and public services.
- e) Consultancy reports and solutions.
- f) Partnerships with stakeholders.
- g) Community-based initiatives in digital transformation.
- h) Updated, industry-aligned curricula.
- i) Accreditation-ready program documentation.
- j) Evidence of professional development activities.
- k) Mentorship of junior staff.
- l) Evidence of ethical practices and inclusive policies.

2.5 Key Performance Indicators (KPIs)

- a) Number of courses delivered and student evaluations.

- b) Research publications and completed projects.
- c) Consultancy engagements and partnerships.
- d) Contributions to curriculum updates and accreditation.
- e) Participation in professional development activities.

2.6.3 Skills and Competencies

- a) Strong technical skills in digital transformation frameworks.
- b) Effective communication of complex concepts.
- c) Proficiency in LMS and online teaching tools.
- d) Analytical thinking and problem-solving skills.

2.6.4 Attributes

- a) Commitment to ethical and transparent use of technology.
- b) Passion for teaching, mentoring, and lifelong learning.
- c) Innovative mindset.

3. POSITION TITLE: CONSULTANT IN DATA SCIENCE

3.1 Purpose

To deliver high-quality education, conduct impactful research, and provide consultancy services in Data Science, contributing to academic excellence, innovation, and the effective implementation of digital systems in governance and public service.

3.2 Scope of Work

The Consultant will be responsible for teaching courses on Data Science, machine learning, artificial intelligence, and big data technologies, mentoring students, conducting research, and engaging stakeholders to address digital transformation challenges.

3.3 Key Responsibilities

3.3.1 Teaching and Learning

- a) Teach courses in E-Governance, digital transformation strategies, ICT policy, and smart governance.
- b) Develop, deliver, and evaluate instructional materials and assessments aligned with institutional goals and NCHE standards.
- c) Incorporate innovative teaching methodologies such as case studies, simulation labs, and industry-relevant projects.
- d) Mentor and guide students in academic and professional development, including capstone projects and research initiatives.
- e) Regularly assess and refine teaching practices to align with global trends and best practices.

3.3.2 Research and Innovation

- a) Conduct applied research in areas such as predictive modeling, deep learning, cloud computing, and AI-driven analytics.
- b) Publish research in reputable journals and present findings at international conferences.
- c) Lead interdisciplinary research projects and secure research funding from public, private, and international sources.
- d) Collaborate with academic peers and industry stakeholders to develop innovative digital solutions for governance.
- e) Supervise student research projects addressing real-world challenges.

3.3.3 Industry Engagement and Consultancy

- a) Offer consultancy services in data analytics, AI-driven solutions, and business intelligence consulting.
- b) Design and deliver workshops, training programs, and capacity-building initiatives.
- c) Build and maintain partnerships with public and private sector organizations.
- d) Promote the adoption of digital transformation best practices in governance.

3.3.4 Curriculum Development and Quality Assurance

- a) Collaborate in designing and updating curricula compliant with NCHE standards and global trends.
- b) Integrate emerging technologies into course content.
- c) Contribute to program accreditation and quality assurance processes.
- d) Develop and implement strategies for continuous improvement.

3.3.5 Professional Development

- a) Attend workshops, conferences, and certification programs.
- b) Stay updated on emerging tools, technologies, and methodologies.
- c) Share knowledge through mentoring junior staff and institutional capacity-building.

3.3.6 Ethics and Inclusivity

- a) Promote academic integrity and uphold ethical standards.
- b) Support diversity and inclusivity in academic programs.
- c) Advocate for ethical use of digital technologies and promote transparency.

3.4 Deliverables

- a) Comprehensive course designs, materials, lecture plans, and assessments.
- b) Enhanced student learning outcomes and career readiness.
- c) Research publications, patents, or prototypes.
- d) Practical solutions and tools for governance and public services.

- e) Consultancy reports and solutions.
- f) Partnerships with stakeholders.
- g) Community-based initiatives in digital transformation.
- h) Updated, industry-aligned curricula.
- i) Accreditation-ready program documentation.
- j) Evidence of professional development activities.
- k) Mentorship of junior staff.
- l) Evidence of ethical practices and inclusive policies.

3.5 Key Performance Indicators (KPIs)

- a) Number of courses delivered and student evaluations.
- b) Research publications and completed projects.
- c) Consultancy engagements and partnerships.
- d) Contributions to curriculum updates and accreditation.
- e) Participation in professional development activities.

3.6.3 Skills and Competencies

- a) Strong technical skills in machine learning, data analytics, and AI applications.
- b) Effective communication of complex concepts.
- c) Proficiency in LMS and online teaching tools.
- d) Analytical thinking and problem-solving skills.

3.6.4 Attributes

- a) Commitment to ethical and transparent use of technology.
- b) Passion for teaching, mentoring, and lifelong learning.
- c) Innovative mindset.

4. POSITION TITLE: CONSULTANT IN FINANCIAL TECHNOLOGY

4.1 Purpose

To deliver high-quality education, conduct impactful research, and provide consultancy services in Financial Technology, contributing to academic excellence, innovation, and the transformation of financial systems through technology.

4.2 Scope of Work

The Consultant will be responsible for teaching courses on digital payments, blockchain technology, artificial intelligence in finance, and financial data analytics, mentoring students, conducting research, and engaging stakeholders to address financial technology challenges.

4.3 Key Responsibilities

4.3.1 Teaching and Learning

- a) Teach courses in Financial Technology, including digital payments, blockchain, fintech entrepreneurship, and AI in finance.
- b) Develop, deliver, and evaluate instructional materials and assessments aligned with institutional goals and NCHE standards.
- c) Incorporate innovative teaching methodologies such as case studies, simulation labs, and industry-relevant projects.
- d) Mentor and guide students in academic and professional development, including capstone projects and research initiatives.
- e) Regularly assess and refine teaching practices to align with global trends and best practices.

4.3.2 Research and Innovation

- a) Conduct applied research in areas such as financial data analytics, blockchain applications, digital banking, and AI-driven financial services.
- b) Publish research in reputable journals and present findings at international conferences.
- c) Lead interdisciplinary research projects and secure research funding from public, private, and international sources.
- d) Collaborate with academic peers and industry stakeholders to develop innovative fintech solutions.
- e) Supervise student research projects addressing real-world challenges in financial technology.

4.3.3 Industry Engagement and Consultancy

- a) Offer consultancy services in digital payment systems, blockchain integration, and financial data security.
- b) Design and deliver workshops, training programs, and capacity-building initiatives.
- c) Build and maintain partnerships with financial institutions and technology service providers.
- d) Promote the adoption of digital financial transformation best practices.

4.3.4 Curriculum Development and Quality Assurance

- a) Collaborate in designing and updating curricula compliant with NCHE standards and global trends.
- b) Integrate emerging technologies into course content.
- c) Contribute to program accreditation and quality assurance processes.
- d) Develop and implement strategies for continuous improvement.

4.3.5 Professional Development

- a) Attend workshops, conferences, and certification programs.
- b) Stay updated on emerging tools, technologies, and methodologies in financial technology.
- c) Share knowledge through mentoring junior staff and institutional capacity-building.

4.3.6 Ethics and Inclusivity

- a) Promote academic integrity and uphold ethical standards.
- b) Support diversity and inclusivity in academic programs.
- c) Advocate for ethical use of financial technology and promote transparency.

4.4 Deliverables

- a) Comprehensive course designs, materials, lecture plans, and assessments.
- b) Enhanced student learning outcomes and career readiness.
- c) Research publications, patents, or prototypes.
- d) Practical fintech solutions and tools for financial institutions.
- e) Consultancy reports and solutions.
- f) Partnerships with industry stakeholders.
- g) Community-based financial technology initiatives.
- h) Updated, industry-aligned curricula.
- i) Accreditation-ready program documentation.
- j) Evidence of professional development activities.
- k) Mentorship of junior staff.
- l) Evidence of ethical practices and inclusive policies.

4.5 Key Performance Indicators (KPIs)

- a) Number of courses delivered and student evaluations.
- b) Research publications and completed projects.
- c) Consultancy engagements and partnerships.
- d) Contributions to curriculum updates and accreditation.
- e) Participation in professional development activities.

4.6.3 Skills and Competencies

- a) Strong technical skills in financial data analysis, blockchain technologies, and AI applications in finance.
- b) Effective communication of complex financial technology concepts.
- c) Proficiency in LMS and online teaching tools.
- d) Analytical thinking and problem-solving skills.

4.6.4 Attributes

- a) Commitment to ethical and transparent use of financial technology.
- b) Passion for teaching, mentoring, and lifelong learning.
- c) Innovative mindset with the ability to adapt to emerging fintech trends.

5 POSITION TITLE: CONSULTANT IN SOFTWARE ENGINEERING

5.1 Purpose

To deliver high-quality education, conduct impactful research, and provide consultancy services in Software Engineering, contributing to academic excellence, innovation, and the development of cutting-edge software solutions for industry and society.

5.2 Scope of Work

The Consultant will be responsible for teaching courses on software development, system architecture, software security, and AI-driven applications, mentoring students, conducting research, and engaging stakeholders to address software engineering challenges.

5.3 Key Responsibilities

5.3.1 Teaching and Learning

- a) Teach courses in Software Engineering, including software development, system architecture, software security, and AI-driven applications.
- b) Develop, deliver, and evaluate instructional materials and assessments aligned with institutional goals and NCHE standards.
- c) Incorporate innovative teaching methodologies such as case studies, coding boot camps, and industry-relevant projects.
- d) Mentor and guide students in academic and professional development, including capstone projects and research initiatives.
- e) Regularly assess and refine teaching practices to align with global trends and best practices.

5.3.2 Research and Innovation

- a) Conduct applied research in areas such as software development methodologies, cloud computing, cybersecurity, and AI-powered applications.
- b) Publish research in reputable journals and present findings at international conferences.
- c) Lead interdisciplinary research projects and secure research funding from public, private, and international sources.
- d) Collaborate with academic peers and industry stakeholders to develop innovative software solutions.
- e) Supervise student research projects addressing real-world challenges in software engineering.

5.3.3 Industry Engagement and Consultancy

- a) Offer consultancy services in software development, system design, software quality assurance, and cybersecurity.
- b) Design and deliver workshops, training programs, and capacity-building initiatives.
- c) Build and maintain partnerships with software development companies and IT firms.

- d) Promote the adoption of best practices in secure and efficient software development.

5.3.4 Curriculum Development and Quality Assurance

- a) Collaborate in designing and updating curricula compliant with NCHE standards and global trends.
- b) Integrate emerging technologies into course content.
- c) Contribute to program accreditation and quality assurance processes.
- d) Develop and implement strategies for continuous improvement.

5.3.5 Professional Development

- a) Attend workshops, conferences, and certification programs.
- b) Stay updated on emerging tools, technologies, and methodologies in software engineering.
- c) Share knowledge through mentoring junior staff and institutional capacity-building.

5.3.6 Ethics and Inclusivity

- a) Promote academic integrity and uphold ethical standards.
- b) Support diversity and inclusivity in academic programs.
- c) Advocate for ethical software development practices and promote transparency.

5.4 Deliverables

- a) Comprehensive course designs, materials, lecture plans, and assessments.
- b) Enhanced student learning outcomes and career readiness.
- c) Research publications, patents, or prototypes.
- d) Practical software engineering solutions and tools for industry.
- e) Consultancy reports and solutions.
- f) Partnerships with industry stakeholders.
- g) Community-based software development initiatives.
- h) Updated, industry-aligned curricula.
- i) Accreditation-ready program documentation.
- j) Evidence of professional development activities.
- k) Mentorship of junior staff.
- l) Evidence of ethical practices and inclusive policies.

5.5 Key Performance Indicators (KPIs)

- a) Number of courses delivered and student evaluations.
- b) Research publications and completed projects.
- c) Consultancy engagements and partnerships.
- d) Contributions to curriculum updates and accreditation.
- e) Participation in professional development activities.

5.6.3 Skills and Competencies

- a) Strong technical skills in software design, development, and quality assurance.
- b) Effective communication of complex software engineering concepts.
- c) Proficiency in LMS and online teaching tools.
- d) Analytical thinking and problem-solving skills.

5.6.4 Attributes

- a) Commitment to ethical and transparent software development.
- b) Passion for teaching, mentoring, and lifelong learning.
- c) Innovative mindset with the ability to adapt to emerging software technologies.

GENERAL REQUIREMENTS FOR ALL POSITIONS

- a) Demonstrated ability to integrate practical knowledge into academic instruction.
- b) Experience in curriculum development and assessment.
- c) Commitment to fostering a positive learning environment.
- d) Proficiency in using Learning Management Systems (LMS) and AVR platforms.

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