



Job Advertisement (2026)

University of Rwanda/College of Science and Technology (UR-CST), would like to recruit competent and qualified academic staff to occupy vacant positions in the Department of Civil, Environmental and Geomatics Engineering (CEGE) within the **School of Engineering (SoE)**

The **Department of Civil, Environmental and Geomatics Engineering (CEGE)** is a department within the **School of Engineering, University of Rwanda-College of Science and Technology (UR-CST)**. The Department provides education, research and innovation in **civil engineering, environmental engineering, transportation engineering, geomatics, surveying, and water resources management.**

CEGE has a strong academic and technical linkage with the **Centre of Excellence in Transport Planning and Logistics**, particularly through its expertise in **transport planning, transportation infrastructure, traffic engineering, road safety, GIS and geospatial technologies, environmental sustainability and infrastructure management.**

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Position 1: Full-Time Teaching Staff (Geo-information Science, Earth Observation, Surveying and Remote Sensing)

Item No.	Content	Details
1	Position Title	Assistant Lecturer
2	Department/Unit	Department of Civil, Environmental and Geomatics Engineering, the Program of Surveying and Geomatics Engineering (SGE)
3	Number of Posts	1
4	Job Purpose/Objective	To contribute to the academic mission of the University of Rwanda/College of Science and Technology through high-quality teaching, research, and community engagement in Surveying and Geomatics Engineering, with emphasis on Geo-information Science, Earth Observation, Surveying Engineering, and Remote Sensing. The successful candidate will be expected to strengthen curriculum delivery, supervise students, and develop a strong research portfolio in these areas.
5	Key Duties and Responsibilities	- Deliver teaching and learning activities for undergraduate courses in the relevant programme, as allocated by the Head of Department. - Develop, review, and enhance the curriculum to align with current industry trends, technological advancements, professional standards, and national development needs. - Conduct high-quality research that advances discipline, leads to publications in UR-recognized peer-reviewed journals, and contributes to attracting external research funding. - Supervise and mentor undergraduate students in research projects, dissertations, and practical work, according to the appointed academic rank.



Item No.	Content	Details
		- Engage in consultancy, professional practice, community engagement, and knowledge-transfer activities that benefit industry, public institutions, and the wider community. - Participate in continuous professional development and contribute to the academic life of the department, school, and college through committee service and other administrative roles. - Carry out other related duties as may be advised by the Head of Department, Dean of School, or College Principal.
6	Required Academic Qualifications	An MSc in Geo-information Science and Earth Observation, Surveying Engineering and Remote Sensing, or a closely related field; together with a BSc of at least Upper Second Class Honours in relevant surveying, geomatics, geospatial, or engineering field from a recognized institution.
7	Required Professional Experience	Teaching or relevant industry experience is an added advantage but is not a strict requirement for this entry-level academic rank. A strong academic record and demonstrable potential for academic excellence are essential.
8	Required Technical and Professional Competencies	- Strong expertise in Geo-information Science, Earth Observation, engineering surveying, Remote Sensing, geospatial data acquisition and processing, and related applications. - Ability to support teaching and research in areas such as GIS and Remote Sensing applications, unmanned aerial surveying, engineering surveying, and geospatial data analysis. - Proficiency in relevant geospatial, surveying, remote-sensing, engineering software, programming tools, and standard computer applications. - Good understanding of research methods, data analysis, and academic writing.



Item No.	Content	Details
9	Required Skills and Knowledge	- Excellent communication, presentation, and interpersonal skills. - Strong teamwork and collaboration skills, with the ability to work effectively with colleagues, students, professional bodies, industry, government institutions, and other external partners. - Proactive and professional approach to teaching, research, consultancy, and community engagement. - Demonstrated ability to work independently and, for senior ranks, to lead research teams and academic initiatives. - Knowledge of modern pedagogical approaches, including the effective use of technology in teaching and learning. - A Teaching Portfolio with a written component explaining teaching philosophy, methods, objectives, and teaching and learning strategies is required or highly desirable according to the applicable rank. - A postgraduate certificate in Teaching and Learning in Higher Education is an added advantage.
10	Reporting Arrangements	The incumbent will report directly to the Head of the Civil, Environmental and Geomatics Engineering Department for all academic and administrative duties. Work will be reviewed through annual performance appraisals, teaching evaluations, and research output assessments.
11	Any Other Specific Requirements	- A commitment to upholding the University's values of integrity, professionalism, and service. - A willingness to engage in community outreach, professional practice, interdisciplinary collaboration, and industry partnerships. - Willingness to contribute to teaching and other academic activities at University of Rwanda campuses as assigned by the Department.



Position 2: Full-Time Teaching Staff (Geomatics Engineering and Geospatial

Information Systems)

Item No.	Content	Details
1	Position Title	Assistant Lecturer
2	Department/Unit	Department of Civil, Environmental and Geomatics Engineering, the Program of Surveying and Geomatics Engineering (SGE)
3	Number of Posts	1
4	Job Purpose/Objective	To contribute to the academic mission of the University of Rwanda/College of Science and Technology through high-quality teaching, research, and community engagement in Surveying and Geomatics Engineering, with emphasis on Geomatic Engineering and Geospatial Information Systems. The successful candidate will support modern geospatial curriculum delivery, student supervision, applied research, and innovation in spatial information technologies.



Item No.	Content	Details
5	Key Duties and Responsibilities	- Deliver teaching and learning activities for undergraduate courses in the relevant programme, as allocated by the Head of Department. - Develop, review, and enhance the curriculum to align with current industry trends, technological advancements, professional standards, and national development needs. - Conduct high-quality research that advances discipline, leads to publications in UR-recognized peer-reviewed journals, and contributes to attracting external research funding. - Supervise and mentor undergraduate students in research projects, dissertations, and practical work, according to the appointed academic rank. - Engage in consultancy, professional practice, community engagement, and knowledge-transfer activities that benefit industry, public institutions, and the wider community. - Participate in continuous professional development and contribute to the academic life of the department, school, and college through committee service and other administrative roles. - Carry out other related duties as may be advised by the Head of Department, Dean of School, or College Principal.
6	Required Academic Qualifications	An MSc in Geomatic Engineering and Geospatial Information Systems, or a closely related field; together with a BSc of at least Upper Second Class Honours in relevant geomatics, surveying, geospatial, or engineering field from a recognized institution.
7	Required Professional Experience	Teaching or relevant industry experience is an added advantage but is not a strict requirement for this entry-level academic rank. A strong academic record and demonstrable potential for academic excellence are essential.



Item No.	Content	Details
8	Required Technical and Professional Competencies	- Demonstrated research profile and publication record in UR-recognized peer-reviewed journals, with the minimum publication points required under UR regulations for the applicable academic rank. - Strong expertise in Geomatic Engineering, Geospatial Information Systems, spatial data modelling and analysis, geospatial database applications, and related technologies. - Ability to support teaching and research in spatial analysis, CADD for Geomatics, GIS and Remote Sensing, geospatial programming, and visualization of geomatics data. - Proficiency in relevant GIS, geomatics, CAD, programming, and geospatial analysis software and tools. - Good understanding of research methods, data analysis, and academic writing.
9	Required Skills and Knowledge	- Excellent communication, presentation, and interpersonal skills. - Strong teamwork and collaboration skills, with the ability to work effectively with colleagues, students, professional bodies, industry, government institutions, and other external partners. - Proactive and professional approach to teaching, research, consultancy, and community engagement. - Demonstrated ability to work independently and, for senior ranks, to lead research teams and academic initiatives. - Knowledge of modern pedagogical approaches, including the effective use of technology in teaching and learning. - A Teaching Portfolio with a written component explaining teaching philosophy, methods, objectives, and teaching and learning strategies is required or highly desirable according to the applicable rank. - A postgraduate certificate in Teaching and Learning in Higher Education is an added advantage.



Item No.	Content	Details
10	Reporting Arrangements	The incumbent will report directly to the Head of the Civil, Environmental and Geomatics Engineering Department for all academic and administrative duties. Work will be reviewed through annual performance appraisals, teaching evaluations, and research output assessments.
11	Any Other Specific Requirements	- A commitment to upholding the University's values of integrity, professionalism, and service. - A willingness to engage in community outreach, professional practice, interdisciplinary collaboration, and industry partnerships. - Willingness to contribute to teaching and other academic activities at University of Rwanda campuses as assigned by the Department.

Position 3: Full-Time Teaching Staff - TRE (Coastal and River Engineering / Port and Harbour Engineering)

Item No.	Content	Details
1	Position Title	Assistant Lecturer
2	Department/Unit	Civil, Environmental and Geomatics Engineering – Transportation Engineering (TRE) Programme
3	Number of Posts	1

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Item No.	Content	Details
4	Job Purpose/Objective	To contribute to the academic mission of the University of Rwanda/College of Science and Technology through high-quality teaching, research, and community engagement in Transportation Engineering, with emphasis on Coastal and River Engineering and/or Port and Harbour Engineering. The successful candidate will strengthen teaching and research related to marine and inland-water infrastructure and support student supervision and professional engagement.
5	Key Duties and Responsibilities	- Deliver teaching and learning activities for undergraduate courses in the relevant programme, as allocated by the Head of Department. - Develop, review, and enhance the curriculum to align with current industry trends, technological advancements, professional standards, and national development needs. - Conduct high-quality research that advances discipline, leads to publications in UR-recognized peer-reviewed journals, and contributes to attracting external research funding. - Supervise and mentor undergraduate students in research projects, dissertations, and practical work, according to the appointed academic rank. - Engage in consultancy, professional practice, community engagement, and knowledge-transfer activities that benefit industry, public institutions, and the wider community. - Participate in continuous professional development and contribute to the academic life of the department, school, and college through committee service and other administrative roles. - Carry out other related duties as may be advised by the Head of Department, Dean of School, or College Principal.
6	Required Academic Qualifications	An MSc in Coastal and River Engineering, Port and Harbour Engineering, or a closely related field; together with a BSc of at least Upper Second Class Honours in a relevant engineering field from a



Item No.	Content	Details
		recognized institution.
7	Required Professional Experience	Teaching or relevant industry experience is an added advantage but is not a strict requirement for this entry-level academic rank. A strong academic record and demonstrable potential for academic excellence are essential.
8	Required Technical and Professional Competencies	- Demonstrated research profile and publication record in UR-recognized peer-reviewed journals, with the minimum publication points required under UR regulations for the applicable academic rank. - Strong expertise in Coastal and River Engineering, Port and Harbour Engineering, marine infrastructure, port design, harbour hydrodynamics, and civil works associated with ports and waterways. - Ability to deliver applied teaching, design-oriented instruction, modelling, laboratory/practical activities, and research relevant to coastal, river, port, and harbour systems. - Proficiency in relevant engineering analysis, design, modelling, and standard computer software and tools. - Good understanding of research methods, data analysis, and academic writing.



Item No.	Content	Details
9	Required Skills and Knowledge	- Excellent communication, presentation, and interpersonal skills. - Strong teamwork and collaboration skills, with the ability to work effectively with colleagues, students, professional bodies, industry, government institutions, and other external partners. - Proactive and professional approach to teaching, research, consultancy, and community engagement. - Knowledge of modern pedagogical approaches, including the effective use of technology in teaching and learning. - A Teaching Portfolio with a written component explaining teaching philosophy, methods, objectives, and teaching and learning strategies is required or highly desirable according to the applicable rank. - A postgraduate certificate in Teaching and Learning in Higher Education is an added advantage.
10	Reporting Arrangements	The incumbent will report directly to the Head of the Civil, Environmental and Geomatics Engineering Department for all academic and administrative duties. Work will be reviewed through annual performance appraisals, teaching evaluations, and research output assessments.
11	Any Other Specific Requirements	- A commitment to upholding the University's values of integrity, professionalism, and service. - A willingness to engage in community outreach, professional practice, interdisciplinary collaboration, and industry partnerships. - Willingness to contribute to teaching and other academic activities at University of Rwanda campuses as assigned by the Department.



Position 4: Full-Time Teaching Staff - CIV (Computational Geomechanics / Geotechnical / Rock and Tunnel Engineering)

Item No.	Content	Details
1	Position Title	Assistant Lecturer
2	Department/Unit	Civil, Environmental and Geomatics Engineering – Civil Engineering (CIV) Programme
3	Number of Posts	1
4	Job Purpose/Objective	To contribute to the academic mission of the University of Rwanda/College of Science and Technology through high-quality teaching, research, and community engagement in Civil Engineering, with emphasis on Computational Geomechanics and Geotechnical Engineering and/or Rock and Tunnel Engineering. The successful candidate will strengthen geotechnical teaching, student supervision, research, consultancy, and professional engagement in ground and underground engineering.



Item No.	Content	Details
5	Key Duties and Responsibilities	- Deliver teaching and learning activities for undergraduate courses in the relevant programme, as allocated by the Head of Department. - Develop, review, and enhance the curriculum to align with current industry trends, technological advancements, professional standards, and national development needs. - Conduct high-quality research that advances the discipline, leads to publications in UR-recognized peer-reviewed journals, and contributes to attracting external research funding. - Supervise and mentor undergraduate students in research projects, dissertations, and practical work, according to the appointed academic rank. - Engage in consultancy, professional practice, community engagement, and knowledge-transfer activities that benefit industry, public institutions, and the wider community. - Participate in continuous professional development and contribute to the academic life of the department, school, and college through committee service and other administrative roles. - Carry out other related duties as may be advised by the Head of Department, Dean of School, or College Principal.
6	Required Academic Qualifications	An MSc in Computational Geomechanics and Geotechnical Engineering, Rock and Tunnel Engineering, or a closely related field; together with a BSc of at least Upper Second Class Honours in Civil Engineering or another relevant engineering field from a recognized institution.
7	Required Professional Experience	Teaching or relevant industry experience is an added advantage but is not a strict requirement for this entry-level academic rank. A strong academic record and demonstrable potential for academic excellence are essential.



Item No.	Content	Details
8	Required Technical and Professional Competencies	- Demonstrated research profile and publication record in UR-recognized peer-reviewed journals, with the minimum publication points required under UR regulations for the applicable academic rank. - Strong expertise in Computational Geomechanics, Geotechnical Engineering, Rock Engineering, and Tunnel Engineering. - Ability to support advanced teaching, numerical/computational analysis, laboratory and field-related activities, student projects, and research in geotechnical and underground engineering. - Proficiency in relevant geotechnical, computational, engineering analysis, and standard computer software and tools. - Good understanding of research methods, data analysis, and academic writing.
9	Required Skills and Knowledge	- Excellent communication, presentation, and interpersonal skills. - Strong teamwork and collaboration skills, with the ability to work effectively with colleagues, students, professional bodies, industry, government institutions, and other external partners. - Proactive and professional approach to teaching, research, consultancy, and community engagement. - Demonstrated ability to work independently and, for senior ranks, to lead research teams and academic initiatives. - Knowledge of modern pedagogical approaches, including the effective use of technology in teaching and learning. - A Teaching Portfolio with a written component explaining teaching philosophy, methods, objectives, and teaching and learning strategies is required or highly desirable according to the applicable rank. - A postgraduate certificate in Teaching and Learning in Higher Education is an added advantage.
10	Reporting Arrangements	The incumbent will report directly to the Head of the Civil, Environmental and Geomatics Engineering Department for all academic and administrative duties. Work will be reviewed through annual



Item No.	Content	Details
		performance appraisals, teaching evaluations, and research output assessments.
11	Any Other Specific Requirements	- A commitment to upholding the University's values of integrity, professionalism, and service. - A willingness to engage in community outreach, professional practice, interdisciplinary collaboration, and industry partnerships. - Willingness to contribute to teaching and other academic activities at University of Rwanda campuses as assigned by the Department.

Required documents:

1. Application letter addressed to the Principal
2. Certified Degree Certificates (BSc degree; MSc degree; PhD degree) with Degree Equivalence for Degrees awarded in a foreign country
3. A detailed list of all publications in peer-reviewed journals and their electronic links (If required)
4. A detailed list of all current Projects as PI or Co-PI (If required)
5. Curriculum Vitae
6. National ID or passport



Application procedure:

Interested candidates should submit their applications to the following email: info.cst@ur.ac.rw and copy to dahrm.nyarugenge@ur.ac.rw. The deadline of application is 15/10/2026.

Done at Kigali on 07/10/2026

Assoc. Prof. GATARE Ignace
Principal



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Job Advertisement (2026)

University of Rwanda/College of Science and Technology (UR-CST), would like to recruit competent and qualified academic staff to occupy vacant positions in the School of Information and Communication Technology (ICT)

The School of ICT brings together the following four Departments:

1. **Department of Information Technology (IT)**, which focuses on information technology, IT infrastructure, systems administration, networking, cybersecurity, cloud computing, databases and digital services;
2. **Department of Information Systems (IS)**, which focuses on information systems, business information systems, systems analysis and design, enterprise systems, data management, digital transformation and technology-enabled organisational processes;
3. **Department of Computer Science (CS)**, which focuses on computer science, software development, algorithms, artificial intelligence, data science, computer networks, computational systems and emerging digital technologies; and
4. **Department of Computer and Software Engineering (CSE)**, which focuses on computer systems, software engineering, embedded systems, computer architecture, hardware-software integration, automation and the design and development of innovative computing solutions.

The School is also linked to the **African Centre of Excellence in Internet of Things (ACEIoT)**, which strengthens advanced training, research, innovation and technology development in **Internet of Things, smart systems, artificial intelligence, embedded technologies, data analytics and digital transformation**.

The School and the centre contribute to **teaching and learning, professional training, applied research, innovation, consultancy, curriculum development, entrepreneurship, technology development and transfer, and knowledge transfer**, supporting Rwanda's and the region's digital transformation and the development of skilled ICT professionals.





Position	Department	Requirements	Duties and Responsibilities	Number
Senior Lecturer-networking and cyber Security	Computer and Software Engineering	Required Academic Qualifications A PhD in Information Security or Cyber Security is required. Candidates with a PhD in one of the following closely related fields, with a demonstrable specialization in Data Structures, Embedded Systems, or IoT, will also be considered: • Computer Science • Computer Engineering • Information Technology • Networking / Telecommunications Engineering Required Professional Experience • A minimum of 7-10 years of relevant professional experience in networking and/or cyber security, of which at least 3 years in a senior technical, team-lead, or training/teaching capacity. • At least 2 years of university, TVET, or accredited professional-training teaching experience is required; more is an advantage. • Demonstrated hands-on experience designing, deploying, and securing enterprise or service-provider networks. • Practical experience in security operations, including incident response, vulnerability management, and penetration testing.	✓ To deliver teaching, learning and undertake related activities, to assist in the review and the development of the curriculum ✓ To participate in continuous professional development ✓ To conduct research that advances the discipline and /or pedagogic research and/or applied research ✓ To carry out other duties that may be allocated to you as advised by the Head of Department/ Dean of School/ College Principal/ DVC/VCand undertake at least one of the following: ✓ Scholarly activities including the development of teaching and learning materials and publication of textbooks ✓ Knowledge transfer to business and the community. ✓ Engagement in specific outreach activities initiated by the department or initiated by him/her self ✓ Engagement in students and junior staff mentorship ✓ Prepare course outlines, syllabi, lecture materials, and practical/laboratory exercises for assigned courses in line with the approved curriculum. ✓ Deliver lectures, tutorials, seminars, and	1



Position	Department	Requirements	Duties and Responsibilities	Number
		• Experience designing industry-relevant, practical/lab-based curricula and mentoring junior staff or trainees. • A track record of applied research, technical publications, or industry white papers is an added advantage. • Experience in preparing and/or managing research or capacity-building grants is an added advantage. • Demonstrated engagement with industry partners, ISPs, vendors, or professional bodies is an added advantage. Required Technical and Professional Competencies • Strong command of network architecture, routing and switching (e.g., Cisco, Juniper), and enterprise network design. • Strong grounding in network security: firewalls, IDS/IPS, VPNs, network access control, and SIEM platforms. • Proficiency in penetration testing, vulnerability assessment, and ethical hacking methodologies. • Working knowledge of cloud networking and security (AWS/Azure/GCP), virtualization, and software-defined networking (SDN). • Familiarity with security standards and frameworks such as ISO/IEC 27001, NIST Cybersecurity Framework, and relevant data protection	hands-on laboratory sessions in Computer Networking, Network Administration, and Cyber Security. ✓ Contribute to the teaching and mentorship of undergraduate students, and support supervision of postgraduate students' applied/practical projects, in coordination with PhD-holding staff for formal thesis supervision where required by policy. ✓ Provide hands-on training in network design and configuration (routing, switching, wireless), network security (firewalls, IDS/IPS, VPN, SIEM), and incident response. ✓ Guide students in penetration testing, vulnerability assessment, ethical hacking, and security operations centre (SOC) practices. ✓ Design, equip, and maintain networking and cyber security laboratories, and mentor junior lecturers and laboratory/technical staff on networking and security best practices. ✓ Set, administer, and mark assignments, tests, and examinations; assess coursework and practical work; and provide timely, constructive feedback to	



Position	Department	Requirements	Duties and Responsibilities	Number
		regulations. • Competence in scripting/automation for network and security tasks (e.g., Python, Bash). • Competence in curriculum design, instructional delivery, and assessment methods appropriate to higher education or professional training. Required Skills and Knowledge • Excellent verbal and written communication skills, with the ability to explain complex technical concepts clearly. • Strong mentoring, coaching, and technical leadership skills, including guidance of junior lecturers and technical staff. • Sound project and time-management skills to balance teaching, applied research, and administrative duties. • Ability to work collaboratively with colleagues, industry partners, and community stakeholders. • Analytical and problem-solving skills in network design and security incident management. • Commitment to continuous professional development and staying current with evolving networking technologies and threat landscapes. Knowledge of research/technical-writing standards and grant/proposal writing	students. ✓ Conduct applied research in networking, cyber security, and related fields, and disseminate findings through publications, technical reports, conference presentations, and industry white papers. ✓ Identify, write, and support applications for research and capacity-building grants relevant to the Department's networking and security agenda. ✓ Collaborate with industry stakeholders, Internet Service Providers, and security vendors to align curricula with current industry practice and to facilitate student internships and certification pathways. ✓ Participate in university research projects, cybersecurity initiatives, and other scholarly and knowledge-transfer activities, including the development of teaching and learning materials. ✓ Undertake community outreach and knowledge transfer activities that link the Department's networking and security expertise with business, industry, and the wider community. ✓ Attend and actively participate in departmental, school, and university	

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Position	Department	Requirements	Duties and Responsibilities	Number
Lecturer			meetings, committees, and academic events as required. ✓ Support quality assurance processes, including curriculum review, accreditation exercises, and continuous improvement of programmes. ✓ Upload, update, and maintain courses on the UR e-learning platform to ensure students have timely access to course materials, with interactive learning resources and appropriate assessments. ✓ Provide academic and career advising to students, including guidance on industry certification pathways. ✓ Report regularly on teaching, research, and other academic activities to the Head of Department. ✓ Carry out any other related duties assigned by the Head of Department, Dean of School, College Principal, DVC, or VC.	1



Position	Department	Requirements	Duties and Responsibilities	Number
(PhD) Computer Engineering :Data Structures, Embedded Systems and IoT		A PhD in Computer Engineering is required. Candidates with a PhD in one of the following closely related fields, with a demonstrable specialization in Data Structures, Embedded Systems, or IoT, will also be considered: • Computer Science • Electrical/Electronic Engineering (with a specialization in embedded systems or IoT) • Software Engineering (with a specialization in embedded/systems programming) • Information and Communication Technology (ICT), with a demonstrable specialization in embedded systems or IoT Required Professional Experience • At least 3 years of university-level teaching experience, or equivalent experience in academic instruction and student supervision. • Strong, demonstrated practice in Data Structures and Algorithms, including their application in systems and embedded software optimization. • Strong, demonstrated practice in Embedded Systems, including digital logic design and microprocessor/microcontroller-based development. • Strong, demonstrated practice in Internet of Things (IoT) solutions, including sensors, embedded devices, and communication protocols (e.g., MQTT,	• Prepare course outlines, syllabi, lecture materials, and practical/laboratory exercises for assigned courses in line with the approved curriculum. • Deliver lectures, tutorials, seminars, and hands-on laboratory sessions in Data Structures and Algorithms, Embedded Systems, Computer Engineering fundamentals, and the Internet of Things (IoT). • Contribute to the teaching and supervision of undergraduate and postgraduate students, including supervision of research projects, theses, and dissertations. • Provide hands-on training in digital logic design, microprocessor/microcontroller programming, embedded systems development, and IoT device design and deployment. • Guide students in the design, prototyping, and testing of embedded and IoT systems, including sensor networks, communication protocols, and firmware, incorporating basic security-by-design practices. • Set, administer, and mark assignments,	

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Position	Department	Requirements	Duties and Responsibilities	Number
		Zigbee, LoRa, BLE). • Experience designing industry-relevant curricula and supervising students at undergraduate and postgraduate levels. • A strong research background, evidenced by peer-reviewed publications in relevant fields. • Experience in preparing and/or managing research grants and funded projects is an added advantage. • Prior engagement with industry partners, consultancy, or applied research collaborations is an added advantage. Required Technical and Professional Competencies • Strong command of Data Structures and Algorithms and their application in software and systems optimization. • Strong command of Embedded Systems, including digital logic design, computer organization, and microprocessor/microcontroller programming. • Proficiency in IoT platforms, embedded programming (e.g., C/C++, Python, Arduino, Raspberry Pi), and sensor/actuator integration. • Working knowledge of Linux operating systems, shell scripting, and embedded/systems administration. • Basic-to-working knowledge of cyber security principles as applied to embed and IoT systems (e.g., secure coding, device hardening) is desirable	tests, and examinations; assess coursework and practical work; and provide timely, constructive feedback to students. • Conduct research in computer engineering, embedded systems, IoT, and related applied computing fields, and disseminate findings through peer-reviewed publications, conference presentations, and textbooks. • Identify, write, and support applications for research grants and other funding opportunities relevant to the Department's research agenda. • Collaborate with industry stakeholders and partners to develop innovative embedded and IoT solutions and to keep curricula aligned with industry needs and emerging technologies. • Participate in university research projects, embedded systems/IoT initiatives, and other scholarly and knowledge-transfer activities, including the development of teaching and learning materials and publication of textbooks. • Undertake community outreach and knowledge transfer activities that link	



Position	Department	Requirements	Duties and Responsibilities	Number
		but not mandatory. • Competence in curriculum design, instructional delivery, and assessment methods appropriate to higher education. • Ability to conduct and publish rigorous academic and applied research. Required Skills and Knowledge • Excellent verbal and written communication skills, with the ability to explain complex technical concepts clearly. • Strong mentoring, supervision, and student advising skills. • Sound project and time-management skills to balance teaching, research, and administrative duties. • Ability to work collaboratively with colleagues, industry partners, and community stakeholders. • Analytical and problem-solving skills, particularly in software security and systems design. • Commitment to continuous professional development and staying current with emerging technologies and threats. • Knowledge of research ethics, academic integrity standards, and grant/proposal writing.	the Department's academic work with business, industry, and the wider community. • Attend and actively participate in departmental, school, and university meetings, committees, and academic events as required. • Support quality assurance processes, including curriculum review, accreditation exercises, and continuous improvement of programmes. • Upload, update, and maintain courses on the UR e-learning platform to ensure students have timely access to course materials, with interactive learning resources and appropriate assessments. • Provide academic advising and mentorship to students, including guidance on career pathways and professional certification. • Report regularly on teaching, research, and other academic activities to the Head of Department. • Carry out any other related duties assigned by the Head of Department, Dean of School, College Principal, DVC, or VC.	



Position	Department	Requirements	Duties and Responsibilities	Number
		Any Other Specific Requirements • Possession of relevant industry certifications such as a recognized embedded systems or IoT certification (e.g., Cisco IoT Fundamentals, AWS/Azure IoT, ARM-accredited embedded systems training) is an added advantage. • Willingness to undertake scholarly activities, including development of teaching and learning materials and publication of textbooks. • Willingness to engage in community outreach and knowledge-transfer activities linking the university with business and the community. • Willingness to travel and represent the Department/University at academic, professional, or industry events as required. • Commitment to the values, policies, and code of conduct of the University.		
Assistant Lecturer	Computer Science	A master's degree in Computer Science, Computer Engineering, Embedded Computing Systems, Information Technology, or a closely related computing field is required, in line with University of Rwanda requirements for appointment at Assistant Lecturer level. Candidates holding a master's degree in one of the following fields, with demonstrable strength in programming, multimedia systems, or database and systems administration, will be considered: • Computer Science	The Assistant Lecturer shall, under the supervision of the Head of Department: • Prepare course outlines, syllabi, lecture materials, and practical/laboratory exercises for assigned courses in line with the approved curriculum. • Deliver lectures, tutorials, seminars, and hands-on laboratory sessions in ICT Skills, Computer Programming in C,	

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Position	Department	Requirements	Duties and Responsibilities	Number
		• Embedded Computing Systems • Software Engineering (with a specialization in systems or applications programming) • Information and Communication Technology (ICT), with a demonstrable specialization in databases, multimedia, or system administration Required Professional Experience • At least one (1) year of university-level teaching, tutoring, or laboratory-demonstration experience, or equivalent experience in academic instruction and student support. • Strong, demonstrated practice in structured programming in C, including pointers, memory management, and debugging, with application to both desktop and microcontroller platforms. • Strong, demonstrated practice in multimedia systems, including image, audio and video processing, compression and codecs, and computer-vision or machine-learning applications of media data. • Principal Investigator or Co-Principal Investigator on at least one funded research grant and demonstrable managing of funded research projects • Practical experience in database administration and system administration, including relational database design, SQL, backup and recovery, user and access management, and scripted automation of routine	Fundamentals of Multimedia Systems, and Database Programming and Automation and System Administration, and emerging technologies. • Contribute to the teaching and supervision of undergraduate students, including co-supervision of final-year research projects and industrial attachments. • Provide hands-on training in essential ICT skills, including productivity and documentation tools, file and operating-system management, internet and web fundamentals, and safe, ethical use of digital resources. • Teach structured programming in C, covering data types, control structures, functions, arrays, pointers, memory management, file handling, and debugging, and guide students in writing, compiling, and testing programmes on both desktop and microcontroller platforms. • Introduce the fundamentals of multimedia systems, including digital representation of text, images, audio and video, compression standards and codecs, media capture and editing workflows, and the delivery of multimedia content over networks and the web. • Teach database programming and	



Position	Department	Requirements	Duties and Responsibilities	Number
		administrative tasks. • Experience contributing to industry-relevant course design and supporting students at undergraduate level, including delivery of at least one full university module. • An emerging research record, evidenced by peer-reviewed publications, conference papers, or funded project participation in relevant fields. • Working exposure to industrial automation, SCADA, or process-control environments is an added advantage, though not a core requirement. • Prior engagement with industry partners, consultancy, or applied research collaborations is an added advantage. Required Technical And Professional Competencies • • Strong command of the C programming language and of core data structures and algorithms and their application in software and systems optimization. • Strong command of multimedia fundamentals, including digital media representation, compression standards and codecs, media capture and editing tools, and streaming or web-based media delivery. • Proficiency in database programming and administration (e.g., MySQL/PostgreSQL, SQL, stored procedures) and in scripting for automation (e.g., Python, Bash, PowerShell). • Working knowledge of Linux and Windows server administration, shell scripting, virtualisation, and general ICT support and troubleshooting.	administration, including relational design and normalisation, SQL and stored procedures, backup and recovery, user and access management, and the automation of routine administrative tasks through shell and Python scripting on Linux and Windows servers. • Set, administer, and mark assignments, tests, and examinations; assess coursework and practical work; and provide timely, constructive feedback to students. • Conduct research in computer engineering, applied computing, data and database systems, multimedia and computer vision, and computing education, and disseminate findings through peer reviewed publications, conference presentations, and textbooks. • Identify, write, and support applications for research grants and other funding opportunities relevant to the Department's research agenda. • Collaborate with industry stakeholders and partners to develop innovative software, data, and multimedia solutions and to keep curricula aligned with industry needs and emerging technologies. • Participate in university research projects, laboratory and innovation-hub initiatives,	

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Position	Department	Requirements	Duties and Responsibilities	Number
		• Working knowledge of database and system security practices (e.g., secure coding, access control, server hardening, backup integrity) is desirable but not mandatory. • Competence in curriculum design, instructional delivery, and assessment methods appropriate to higher education. • Ability to conduct and publish academic and applied research, and willingness to pursue further postgraduate study. Required Skills and Knowledge • Excellent verbal and written communication skills, with the ability to explain complex technical concepts clearly. • Strong mentoring, supervision, and student advising skills. • Sound project and time-management skills to balance teaching, research, and administrative duties. • Ability to work collaboratively with colleagues, industry partners, and community stakeholders. • Analytical and problem-solving skills, particularly in programming logic, data modelling, and systems design. • Commitment to continuous professional development and staying current with emerging technologies, tools, and platforms.	and other scholarly and knowledge-transfer activities, including the development of teaching and learning materials and publication of textbooks. • Undertake community outreach and knowledge transfer activities that link the Department's academic work with business, industry, and the wider community. • Attend and actively participate in departmental, school, and university meetings, committees, and academic events as required. • Support quality assurance processes, including curriculum review, accreditation exercises, and continuous improvement of programmes. • Upload, update, and maintain courses on the UR e-learning platform to ensure students have timely access to course materials, with interactive learning resources and appropriate assessments. • Provide academic advising and mentorship to students, including guidance on career pathways and professional certification. • Report regularly on teaching, research, and other academic activities to the Head of Department. • Carry out any other related duties assigned by the Head of Department, Dean of School, College Principal, DVC, or	



Position	Department	Requirements	Duties and Responsibilities	Number
		• Knowledge of research ethics, academic integrity standards, and grant/proposal writing. Any Other Specific Requirements • Certification or formal training in industrial automation, PLC programming, or multimedia and machine-learning tooling is a further advantage, though not required. • Willingness to undertake scholarly activities, including development of teaching and learning materials and publication of textbooks. • Willingness to engage in community outreach and knowledge-transfer activities linking the university with business and the community. • Willingness to travel and represent the Department/University at academic, professional, or industry events as required. • Commitment to the values, policies, and code of conduct of the University.	VC.	



Required documents:

1. Application letter addressed to the Principal
2. Certified Degree Certificates (BSc degree; MSc degree; PhD degree) with Degree Equivalence for Degrees awarded in a foreign country
3. A detailed list of all publications in peer-reviewed journals and their electronic links (If required)
4. A detailed list of all current Projects as PI or Co-PI (If required)
5. Curriculum Vitae
6. National ID or passport

Application procedure:

Interested candidates should submit their applications to the following email: info.cst@ur.ac.rw and copy to dahrm.nyarugenge@ur.ac.rw. The deadline of application is 15/10/2026.

Done at Kigali on 07/10/2026

Assoc. Prof. GATARE Ignace
Principal



Digitally signed
by

UR(PRINCIPAL)1

Date:

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