



NOTES

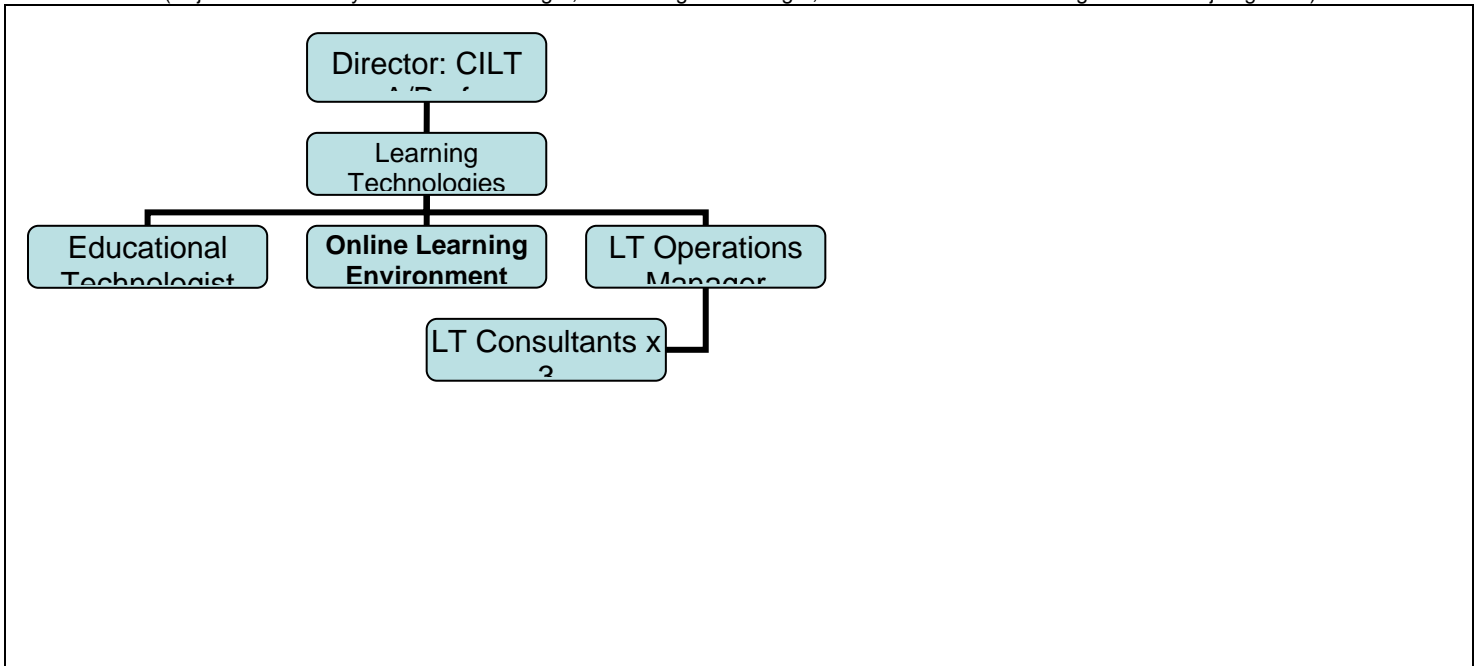
- Forms must be downloaded from the UCT website: <http://www.uct.ac.za/depts/sapweb/forms/forms.htm>
- This form serves as a template for the writing of job descriptions.
- A copy of this form is kept by the line manager and the job holder.

POSITION DETAILS

Position title	Online Learning Environment Developer
Job title (HR Practitioner to provide)	
Job grade (if known)	PC10
Academic faculty / PASS department	CHED
Academic department / PASS unit	CILT
Division / section	Learning Technologies
Date of compilation	11 May 2015

ORGANOGRAM

(Adjust as necessary. Include line manager, line manager's manager, all subordinates and colleagues. Include job grades)



PURPOSE

The main purpose of this position is to support the delivery of online teaching and learning at UCT by developing, customising and supporting the use of enterprise e-learning software hosted by the Centre for Innovation in Learning and Teaching.

JOB CONTENT

Key performance areas (4 – 6) (What)		% of time spent	Activities / Objectives / Tasks (How)	Results / Outcomes (Why)
1	Support the ongoing development, customization and upgrades of Vula, Opencast (and other e-learning platforms as required), leveraging this work to contribute to upstream open source projects (Sakai, Opencast) where possible.	60%	<ul style="list-style-type: none"> • Customize and deploy software. • Identify new functional requirements through needs analysis and interpretation of user requests. • Manage feature and issue pipeline in local and remote issue tracking systems. • Develop and maintain software components as required. • Manage projects for major application upgrades. • Liaise with companies and developers contracted to undertake support and/or development work for UCT. 	Applications are managed and upgraded proactively, new software components are added, customized or developed as appropriate in response to local needs, UCT actively contributes to open source software communities in which it is involved, and enterprise integration with other UCT systems is appropriate for local requirements and functions well.
2	Ensure high availability and performance of elearning platforms and applications hosted by CILT	15%	<ul style="list-style-type: none"> • Manage service availability and performance of Vula, Opencast and other platforms as required. • Liaise with ICTS on infrastructure and application management as required. 	Applications are highly available and reliable, performance meets reasonable user expectations, appropriate backup strategy is in place, and risks of downtime are minimised.
3	Support the use of Vula, Opencast and other applications and environments hosted by CILT for teaching and learning	15%	<ul style="list-style-type: none"> • Assistant team members in resolving complex support queries. • Respond to user queries when required via email, phone or logged via ServiceNow • Quantitative and qualitative analysis and observations about use and impact of applications and systems 	Online learning needs of end-users, lecturers and course convenors are addressed, support issues are resolved timeously.
4	Support CILT information infrastructure	10%	<ul style="list-style-type: none"> • Manage servers and supported services including hosted websites and databases, • Provide appropriate applications for information management and collaboration within CILT including issue tracking systems and source repositories • Advise CILT staff on developing and implementing applications that use functionality provided on the UCT network or by CILT 	CILT has an appropriate set of well-managed applications for managing shared information, collaboration and workflow processes.

MINIMUM REQUIREMENTS

Minimum qualifications	3-year undergraduate degree in a relevant discipline (Computer Science or Information Systems), or any 3-year undergraduate degree and a postgraduate qualification in a relevant discipline, or 6 years' professional experience in software development.
Minimum experience (type and years)	3 years' experience in developing web-based applications and related technologies. Demonstrated competence in client-side web development using HTML, CSS and Javascript and at least one server-side programming language (for example Java, Python), and familiarity with XML, JSON and relational databases.

COMPETENCIES

Competence	Level	Competence	Level
Analytical thinking / problem solving	3	Coaching / Developing Others	2
Communication	2	Conceptual thinking	3
Teamwork / Collaboration	2	Continuous Learning	3
Resource Management	2	Creativity and Innovation	2
Professional knowledge and skill	3	Quality commitment/ work standards	2
Results focus	3	Stress Tolerance	3
Follow up	3	Adaptability/ flexibility	2
Initiating action / initiative	2	Planning and organizing / work management	2
Written communication	2		