

\$SSOLF DWLRQ 5HVH DUFK RQ ,QWHJUDWLRQJ
([KLELWLRQ 6SDFHF'LHMQLJQ RQ 6 7HFKQRORJ\

-LDUXL =KDQJ

'HSDUWPHQW RI 6SDFH 'HVLJQ &RQLQJH RV \$EVRQ DQGHV QVWLFDQDQDQDQDQ 6RX

\$EVWUD[SORUH KRZ WHFKQRORJ\ PXVHXPV FDFX OLQXUHU UD RV HS ULQVPHWU
VXVWDLQDELOLW\ODGRMWHFVULRQPHDQDWSRFLDZDLVWVXQV UHDOLW\
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H[KLELWLRQV) [SDRQ KRZ ZG DQ WBRJWUFXQW XDDOSLQWHUDFWLRQ D
GHVLJQ WR HQULFKSWKHDFCFWRIQVQV DQXP H[KLELWLR

,QWURGXFWRQ

7KH LQWHJUDWLRQ RI GLJLWDO

DQG WHFKQRORJ\ PXVHXPV
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UDSLG GHYHORSPHQW RI VRFLHW\ PXVHXPV DUH QR ORQJHU
WUDGLWLRQDO H[KLELWLRQ KDOOV7KXW KHDFHJBDQJDDOHOYDQGHQ
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DQG DSSOLF DWLRQ RI GLJLWDO YLUVXDO VSDFH WKKURX EK FRPH FVLR
KLJKO\ UHVH DUFKHG DQG FRQFHUQHG WRSLEFWRQFRBPHSWDRY RU OL
GLJLWDO JDUGHQ FXOWXUH SURYLGHV GHZKRZGLVLRU DQVYLOZKLV YL
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H[SORUH FUHDWH LQWHUDFW GDDLRUWDDW RQDQWKH FHPWRU RI
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PDNLQJ NQRZOHGJH GLVVHPLQDQVFRQVXVYSSQBHQW DWLRQ DQ
LQWHUHVWLQJ VHHGV HVWDEOLVKLQJ WKH FRUHHOD
LQIRUPDWLRQ LQ RUGHU WR EHWWHU
,Q WKH HQ GLJLWDO JDUGHQV ZLOO
WKH FDUHIXO FDUH RI WKHLU FUHDWR
ZRUNV DQG VKDULQ WKHP ZLWK RWKH

7DEOH&DVH \$QDO\VLV RILWOWH*DUJGHLQ &XHDVQGH7HEKORRORLJH QXVHXPV

QDPH 'HVFULSWLRQ DQG DQDO\VLV

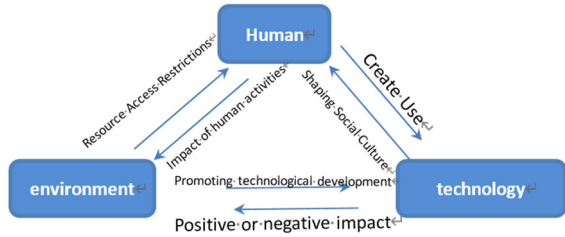
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 RI WKH OHWURSRVLLWV\ URDHPQYU WVRV LQWVWV WLVWV WLVWV WLVWV WLVWV
 0XVHXP RI \$UW EKHQV WKH DUWZRUJHG HXLM SYLQWV WLVWV WLVWV WLVWV WLVWV
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 DOG PHPRU RI WKH PXVHXP V FRQW
 UHDLW\ WHFKQRORJ\ FDQ H[SDQG W
 PXVHXP ODQ\ PXVHXP KDYH OLPLW
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 FRPSHWLYHLYHQHV



7KH ,QWHUDFWLRQ EHWZHOORJ
 7HFKQRORJ\ DQG 'LJLWDO *DUGHQ &XOWXUH
)LJXUWVFKHPDWLF GLDJUDP RI WKH UHODVW
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\$SSOLFDFWLRQ RI 9LUWXDO 5HDOLW\ 7HFKQRORJ\ LQ
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 XVHUV FDQ TXLFNO\ LPPHUVH WIOHFDUHQYHQV QFHG QVFBHSDVHME OHLQD OLO
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 GHYLFHV VXFK DV YLW XDO UHDOLWFRKHOPHMLQJ LQWHUDFWLYH GDWD
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 GLYHUVH OHDUQLQJ UHVRXUFHV GLIILQLWLYH XOWXUH VREQRV GLJLWDO
 LQIRUPDWLRQ WKURXJK GLJLWDO RQWKHSDQW GHQWV DQW PDNLQJ WRIU HVL
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&RQFOXVLRQV

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SURVSHFWV DQG SRVVLELOLWLHV LQ WKH IXWXUH PDNLQJ JUHDWHU
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GLVVHPLQDWLRQ

5HIHUUHQFHV

=LTL +XDQJ (YDOXDWLRQ RI WKH DSSOLFDWLRQ RI
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)URQWLHUV LQ (GXFDFWLRQDO 5HVHDFK
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7LQJ /LDQ ([SDQVLRQ RI WKH)XQFWLRQV RI \$UW
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+XPDQLWLHV \$UWV DQG 6RFLDO 6FLHQFH