Form: Proposals for focus area / preliminary title and supervisor(s)
for a Master's / Doctoral candidate

Please note: To be completed when Supervisor agrees to the supervision of the potential student (Applicant). This is only a proposal and only comes into effect when the potential student (Applicant) is admitted and the proposal is endorsed by the Departmental Postgraduate Committee and EBIT's Postgraduate Committee. Form to be completed and signed by student, supervisor(s) and Head of the department and to be scanned and e-mailed to the EBIT: Postgraduate Administration office at eng@up.ac.za or eng@up.ac.za by the supervisor.

Details of candidate			
Surname and initials:	Domingues R	Student number:	93398761
Email address:	riaal.domingues@gmail.com	Mobile number:	0823939275
Degree:	MIT Big Data Science	Focus area:	
Year of commencement:	2019	Department:	Computer Science
Proposed preliminary title/focus area:	Natural Language Processing on Emails in Digital Forensic Investigations		
Research project (100 words max.) background, problem statement, proposed contribution, proposed research methodology:	Large volumes of emails are often seized during forensic investigations. Sifting through the email bodies for relevant evidence is a daunting task. Natural language processing is a method to assist in such investigations. The correct NLP technique to apply and integrate with existing email forensic tools to be useable is still an open question. This research will attempt to implement some NLP techniques in a forensic setting and identify shortcomings.		
Signature of candidate:	*RDomingues*		

Details of proposed Supervisors: (To be filled in by proposed Supervisor)

Supervisor		Co-supervisor	
EMPLID:	04147383	EMPLID:	
Titles and qualifications:	Prof H. Venter	Titles and qualifications:	
Department:	Department of Computer Science	Department:	
Telephone number:	012 420 3654	Telephone number	
Mobile number:	083 458 4407	Mobile number:	
Email address:	hventer@cs.up.ac.za	Email address:	
Number of M-students currently supervising:		Number of M-students currently supervising:	
Number of M-students delivered:		Number of M-students delivered:	
Number of PhD-students currently supervising:		Number of PhD-students currently supervising:	
Number of PhD-students delivered:		Number of PhD-students delivered:	
Motivation for nomination:	Falls within research interests.	Motivation for nomination:	
Signature of proposed supervisor:		Signature of proposed co-supervisor:	

Decision of Departmental Postgraduate Committee / Recommendation of EBIT: Postgraduate Committee			
Date:		Date:	
Conditions (if any):		Recommendation:	
Signature of HOD:		Signature of EBIT:	