AppendiX C: Fuzzy TOPSIS questionnaire sample

Section 1(Respondents information)			
Full Name (optional)		Position	
Working experience in DevOps environment?		Years:	
Company Name (optional)			
Email Address			
Country name			
Total academic and industrial experience?	Years:		
Have you ever participated in DevOps related international activities?	Yes ☐	NO ☐	
Total number of employees in an organization?	Less than 20 ☐	More than 20 ☐	
Please specify your organization type?	Small ☐	Medium ☐	Large ☐
How many years ago this organization adopted Ethical activities in real practice?	Less then five ☐	More than five ☐	
Dose organization improving Ethical practices according to their standards?	Yes ☐	NO ☐	

Section B (Part 1): Criteria wise Comparison of Motivators to measure impact

The key objective of this section is to validate criteria for wise comparison of motivators. The reported motivators were identified using multivocal literature review and validated by empirical study.
Please rank the motivator according to your own understanding and experience using **linguistic scale** given bellow.

Linguistic values

Linguistic Scale	***Triangular Fuzzy Scale***
Just Equal= JE	(1,1,1)
Equally Important = EI	(0.5,1,1.5)
Weakly Important = WI	(1,1.5,2)
Strongly More Important = SMI	(1.5,2,2.5)
Very Strongly More Important= VSMI	(2,2.5,3)
Absolutely more important= AMI	(2.5,3,3.5)

Identified Motivators "M"		**ST**	**S**	**CP**	**SM**	**R**	**T**	**SFD**	**AA**	**CM**	**SE**
		Linguistic values									
M1	Assign a leader responsible and accountable for ethical AI										
M2	Build diverse teams										
M3	Education and awareness to foster an ethical mind-set (M3)										
M4	Ethics council development										
M5	Surveillance practices for data gathering and privacy of court users										
M6	Requirements of trustworthy AI										
M7	Regulatory compliance and standardization										
M8	Algorithmic accountability										
M9	Develop ethics and privacy roadmap										
M10	Establish AI ethics scope according to the business domain										
M11	AI ethics risk assessment policies										
M12	Consider ethics by design										
M13	Automating ethics										
M14	Erosion of privacy										
M15	Set up a governance body to implement measures of accountability										
M16	Screen the data used to train the AI system for bias										
M17	Controllable AI with clear accountability										
M18	Optimize guidance and tools										
M19	Two-way communication with users										
M20	AI collides with patent law										

The purpose of this questionnaire is to determine the weight of each criteria and compare the motivaotrs according to the selected weighted criterias.							
Section B (Part 2) Also Weight importance of all ten criteria using same linguistic Scale values. Purpose of getting each criteria weight is to check the significance of criteria in Ethical AI system development.							
Select Criteria for ethical AI software development							**Linguistic values**
Human resource (CA1)							
Knowledge integration (CA2)							
Coordination (CA3)							
Project administration (CA4)							
Standards (CA5)							
Technology factor (CA6)							
Stakeholders (CA7)							
Strategy and matrices (CA8)							
Note: Mark the identified motivators with category using linguistic values for example if category “CA1” is the main cause of motivators, then mark it as “Absolutely more important= AMI” and wise versa if categories have low weightage.							