

EAS 508 HW-4

Name: Venkata Satya Surya Sai Vineet Atyam

UB Person number: 50419767

UBIT Name: vatyam

From law enforcement to healthcare, critical technological systems are almost always enmeshed within a complicated web of social relationships. If we ignore the socially situated part of our technical systems, we will only acquire a restricted and unsatisfying representation of the "who."

We must address both social and technological variables to fully appreciate the socially positioned character of XAI systems. This sociotechnical strategy can help us think critically on or consider latent or unconscious preconceptions. To understand our epistemological blind spots, we must first grasp the values encoded in computer operations. This form of introspection, also known as reflection, can bring unconscious or implicit values and practices to conscious awareness, allowing them to be acted upon. As a result, we can build and evaluate technology while considering the values of both designers and stakeholders.

We would not have understood the technology requirements for the future if we had not been able to broaden our perspective and include previously unseen things.

How successfully the 'why' is communicated is determined by the 'who.' Furthermore, qualitative data analysis suggests that people's professional and educational backgrounds have an impact on how they interpret explanations.

In the adoption of explanatory technologies, knowing the complex social dynamics surrounding the technical system may be as important as comprehending the technology itself.

The follow up questions we need to concern ourselves about are:

We cannot hope to develop an entrenched awareness of the who as outsiders unless we engage effectively with partner communities on their terms and schedules. This means that we must be sensitive to their beliefs and conventions in order to create long-term community

partnerships. These activities are not only resource and time expensive, which may disrupt publishing cycles, but they also need stakeholder buy-in at numerous levels across enterprises.

Hence we need to understand ways to identify these tasks effectively to solve them in a better way.

We have to also find efficient ways to critically determine necessary social implications which can influence our technology and thus need to improve upon that.