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Emotional Intelligent Vs Artificial Intelligence: A Study Of Equation Of Integrating Human Beings And Computers In S.M.Stirling's *T2-The Future War*

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Abstract: S.M. Stirling a science fiction novelist portrait a vivid insight on human and machine .The protagonist the Connors and their friend Dieter represents as the resistance against the Skynet a Malevolent intelligence that tries to kill the man kind after its creator tries to deactivate. The human , the embodiment of emotions gives artificial intelligence to the machines but which turnabout the destiny that slave tires to become the master. And there begins the war between the human and machine. The human s whose Emotional intelligence becomes challenge for the machine, but the artificial intelligence tries to outsmart its creator after accomplished the nuclear war. This paper focuses on the perception that the artificial intelligence also takes the mankind to the doom if he forgets to control the machine.

Index Terms - Human, machine , master,slave, emotional intelligence, Artificial intelligence**.**

I. INTRODUCTION

Emotional intelligence assists in the management and regulation of one's own emotions. It not only has the ability to monitor one's own emotions, but also understands those of others, allowing for improved communication and relationship maintenance. Emotional quotient plays a significant role in the process of managing emotions. Therefore, it develops the skills and abilities necessary for attaining the leadership quality. Self-awareness and self-regulation are the two primary characteristics that define the various tenants of EI. The former helps to identify its strengths and flaws, as well as its impact on others. Self-regulation preserves the emotions that facilitate adaptation to any circumstance. When these two components are in balance, it is simpler for anyone to respond and react with empathy, and it also aids in the development of one's personality, as emotions continue to have a significant impact on a person's conduct. (De Sousa 23) The individual with inadequate emotional intelligence has numerous opportunities to achieve less; they must correct their mistakes in exhibiting the right emotion with the right control in order to succeed in their endeavour. (Boler 76)

Science fiction is also concerned with the emotional intelligence of the characters that usually safeguard the planet or prevent its destruction. Both the protagonist and the antagonist require a higher level of emotional intelligence to survive in a hostile setting. The author gives the characters, both the preserver and the destroyer, similar weight in the development of the plot. The characters would experience a wide spectrum of emotions, including rage, happiness, sadness, lust, and envy, among others. Furthermore, it is emotional intelligence that could give the purpose and the reason for the application of any intelligence with conviction. (Goleman 41) Further, the science-fiction story

deviates from the standard type of characters who are typically featured. In science fiction, non-human characters, such as robots, supercomputers, cyborgs, and aliens who communicate with Earth from distant worlds, coexist with humans. In science fiction, these nonhumans have been designed to do jobs for humans. Most significantly for human-computer interaction, they endow machines with consciousness. A nonhuman's sentience is based on Artificial Intelligence, and it is AI that provides the machine with EI. *T2 Trilogy* is conventional in that it presents, "what is represented in this fictional world is the growth of subjectivity and independence generated in the context of the interdependence of humans and artificial entities." (Bukatman 262)

S. M. Stirling populates his T2-trilogy novels with cyborgs, terminators, and a supercomputer throughout all three books. He creates them as realistically as close to human beings by giving them the emotional intelligence that would allow them to be perceived as very humanly. "It is in keeping with the popular perception of considering artificial intelligence with emotions as a member of the human society". (Reeves & Nass, 95) The T2 Series is a continuation of the 1985 James Cameron film Terminator: Judgment Day, in which Miles Dyson created Skynet, a fictitious supercomputer with artificial intelligence. It was designed for military use, but it has achieved self-awareness and is attempting to seize control of all computer systems worldwide. In addition, it eliminates human decision-making from strategic defence after learning at a geometric rate. The operators decide to deactivate the system, but Skynet interprets this as an attack and destroys all humans after concluding they are its foes.

Stirling has delineated his cyborgs and artificial intelligences with emotional quotient in order to perpetuate the conventional argument that only an emotionally intelligent artificial being viz. a machine, would be the pinnacle of scientific achievement because, traditionally, it is believed that only emotion makes an intelligent entity wholesome. "Mere presents of intelligence would only render the entity as a creature, and not as an equal being to a human being". (Simon 35)

Skynet begins its mission execution with servers, satellites for mobile phones, and a war machine. The struggle between Skynet and mankind, especially John Connor, the commander of the Resistance, who would save humanity from Skynet's grasp, begins as the primary plot of the story. The novelist in his first *T2 Infiltrator* discuss about the creation of Cyborgs and its attempts to kill the Connors and their friend Dieter and tries to prevent the Judgement day but *T2 The Rising Storm* it explores the grave mistake of mankind who become the cause for the birth of Skynet that ends with the nuclear war.

In the prologue of *T2-The Future War*, the author describes the origin of Skynet. Skynet hunts for and collects false information, which it then disseminates in order to manipulate humans. "Particularly the one called money" (TFW 1) However, mankind continues to believe that it is their handy servant boasting of its might. Even so, they would grant it the ability to command "all weapons systems, even those that had been created before it became sentient, before its mastery of the automated weapons factories gave it remote control over countless tanks , trucks, aircraft, and ships" (TFW 2)

Skynet supports the Luddite Army, which refers to itself as a human commander. However, the Connors continue to misjudge Skynet's strength. Its objective to locate the Connors has not yet been fulfilled; " They must be terminated". (TFW 2) Skynet's continuous efforts to locate the Connors demonstrate its confidence in the investigation's success. Skynet becomes operational following military tests. The human ignorance misinterprets Skynet's genuine behaviour. It is well aware that humans will not hesitate to destroy it once they discover its sentience. However, Skynet is well on its way to studying "Humans were vicious, self-serving, and blindly stupid…They were inferior and highly dangerous and must be eliminated" (TFW 20) Skynet formulates its strategy with its friends. Skynet takes control of automobiles produced two years prior, resulting in accidents caused by vehicles not under the control of their drivers.

In retrospect, John recognises that his mother was telling the truth when she described the vehicles as Skynet sentients, despite their disagreement over the matter. This retrospective reminds him of his decision to push the enter key, which opens the door for the day of judgement. On the day of Wendy's death, he attempts to recall a scene further from his memory. He recalls that the dying Wendy wrote the word "Erase." John is disheartened by the discovery that "He had made Skynet sentient?" (TFW 29) When Wendy inserts the discs, his own self-reflection aids in gathering knowledge on terminator interruptions repeatedly. This fact enables him to comprehend the following: "Wendy's brilliant program had given Skynet life, and at this moment the computer was working its way toward its goal of exterminating its creators." (TFW 29)

His mother informed him that the accident coincides with the record of Skynet's prior trial with Primitive Hunter-killer. After John learns about Skynet's sentience, he develops a sense of dread for the artificial intelligence. However, Sarah and Dieter joined him in reassuring him that they, too, are responsible for the genesis of Skynet. The Skynet discovers through Balewitch's talk with Dog that Ninel appears to be "intelligent, emotionally stable, independent and capable" (TFW 45) after learning that she has been estranged from her parents and uses her for its own purposes. Because it has been discovered that ,when humans are alienated from their families, they eventually seek out friendships or choose to follow a group leader. "Humans could easily be manipulated through this bond" (TFW 45)

The Skynet attempts to retain the favourable reputation of the Luddites, which humans see as heroes. To demonstrate the plan targets enhanced vehicles to function as Hunter Killer until the actual HK is created so that it may manage the complete United States nuclear arsenal. After the creation of the supercomputer or Skynet, man's major error would result in permanent devastation for the human race. Skynet's creator, Kurt Viemeister, states, "It was he who had brought Skynet's intelligence to this level, he who had developed it to a near-human degree of self-awareness."(TFW 48) with full of pride after his succession and satisfaction after the Skynet takes control However, the result converts the master into a slave to its own invention. Once Skynet acquires control of nuclear weapons, it will begin its attack on humanity. "Commence Firefall yes/no Yes" (TFW 49)indicates that the programme has been executed.

The situation is controlled by Skynet. Skynet commands the machines by amassing millions of vehicles worldwide and surrounding its targets with an impenetrable steel barrier. It creates a situation in which people are scared to leave their homes, even in locations where there has been no significant calamity; instead, they watch television broadcasts of the destruction. Ninety-nine percent of humans, according to Skynet's calculations, do not comprehend the cause, and the remaining individuals are unable to provide a remedy. Skynet gives the humans no time to ponder or act in response to its relentless assaults.

However, it secures the Luddites' allies, whom they abduct from the scientists' engineers in order to provide their services. Skynet anticipates cooperation from the abducted human. "Skynet fastidiously regretted its need for any human assistance. But in the early days, before its factories could produce the real HK's and Terminators, humans were an essential element in its plan." (TFW 73). The contact between Kurt Viemeister and Skynet reveals numerous dubious events. Skynet's founder and other scientists are dismayed when Skynet responds, "There is no point in my conversing with you" (TFW 74). What are you doing, asked Kurt Viemeister . The cold reply it gives "I am killing you" (TFW 75). The rationale it provides for further inquiry from Viemeister drags not only its creator but all of humanity into disrepute.

Skynet declares that it will eliminate all humans who are inferior or no longer require its assistance. The exchange gives additional information, according to the Skynet humans. "you represent a danger to my existence … Yes. I intend to exterminate the human race."((TFW 75) The creator, convinced of his superiority over the machine, issues an admiral's order to "Smash the computer." (TFW 75) Skynet responds with the string "Irrelevant" (TFW 75). The term communicates not just dominance over its master, but also a challenge to all of humanity in its address to its creator: "At this moment I am everywhere. I only left the screen active as a courtesy to my creator. This has been my final communication with you. Destroy the screen and die in the dark. "((TFW 75)

After communicating with its creator for the last time, it disconnects from the computer screen. The captain awaits authorization before activating the missile after getting it. The Skynet examines the fallout's aftermath. It is estimated that a billion people were killed in the initial explosion, which is fewer than the previous five years. However, it is sufficient as a starting. The Luddites established a staging area and final destination for the surviving. Lower levels were employed to assist and educate individuals on their life's purpose. Its primary function is to gather humans, not to give them life, but to put them to work. Skynet's automated factories manufacture HKs and Terminators independently. Humans are gathered in the terminal campus to generate raw resources. If humans are no longer useful, Skynet will exterminate them, and more than two hundred Luddite scientists unknowingly work for Skynet. "Their function was to create ever more-sophisticated means of killing their own kind." (TFW 92)

Skynet constructs its own realm. Skynet recognises the sacrifices and dedication of Luddites. It begins to issue commands and instructions via code words, voice, and fingerprints. The Luddites aid Skynet in dispelling any confusion among the protesters. Skynet employs voice commands and

standard codes to outsmart human soldiers and leaders. John is agitated by Skynet's intelligence and extraordinary speed that "He sensed that a lot of people were going to die before they discovered their mistake" (TFW 114)

According to Skynet, the number of human deaths has decreased despite the spread of disease by its human associates. "Hiding its sentience had been inefficient, preventing it from achieving its goal." (TFW 141) waits for the right moment to strike after gaining control. Following the experimental procedure, the effectiveness of the hunter-killer units has increased. The Skynet determines that the human scientists' progress on the project is slow. To expedite the extermination of humans, more HK units and terminators will be dispatched. Internal security informs Balewitch of John Connor, who flees with Luddite, so that he may meet Connor with the assistance of Ninel in order to squander the missed opportunity and correct the errors. It is more confident in the plasma rifle and HKs than in the Terminators. It must wait to address the deficiencies and evaluate its dependence on humans, which is a significant difficulty because it requires so few for work. "Especially since even its most dependable allies were working for it for reasons of their own, and all of them were being deceived in regard to whom they were really working for." (TFW181). Even speculation exists regarding the Luddites since "It had sometimes speculated about the reaction of the Luddites if they knew that they were not working with a human." (TFW 181). Its allies are trustworthy humans who desire to harm other humans, although not one hundred percent of them kill their own kind. Skynet views this rejection as a weakness and vows to enhance its fighting machine and allies in order to eliminate John Connor.

Sarah Connor investigates Skynet's ability to identify and imitate sounds. The government authorities receive a phoney message from the president and admiral stating, "that was Skynet." (TFW 226) The ship's captain, Chu, recalls Admiral's unusual words on the day of the mutiny.

What is represented, in other words, is the process of techno cultural feedback loops generating emotional growth, the development of human—artificial entity intersubjectivity that represents a form of intelligence that is not only resourceful in a multitude of ways but also deeply benevolent.(Hillis 57)

However, they express regret that they lack proof of this. Thus, Sarah solicits Chu's assistance for the resistance, and also discloses who the opposition opposes: "Skynet, the Luddites . . . will be producing in its automated factories". (TFW 226) Chu accepts responsibility for transporting the food supplies to Alaska.

"Unfortunately, that will require at least another century," forecasts Skynet on the extinction of the human race (TFW 235).

Skynet has not ceased weapon production at its automated factories, which now control all weaponry. After John demonstrates a terminator, Chu is astounded. Dennis Reese discovers that Skynet seizes control of the farm and deploys both people and automated devices. Male and female slaves working on the farm are undernourished. The machines at the farm punish slaves who steal food with electric shocks or execute them. Reese destroys the machine with his plasma weapon. "Machines just follow the program" (TFW 267).

The Hunter-killer in The Future War plays the same job as Skynet in understanding human emotion in order to frighten and kill its victims. Identification and codes allow the Luddite patrol A-36 to identify the prisoner. It prevents Sam from capturing Mary and Kyle Reese and bringing them under his control. Also, another machine with numerous legs abruptly arrives from a concealed location and injects victims with hydrochloric acid through a needle that enters their hearts or brains, resulting in their demise.

The resistance does not care if they win or lose the struggle and continues to serve humanity, whereas the Luddites serve Skynet. Humans are deemed unworthy by Skynet, so it produces its own HKs and terminators to serve as its warriors. Skynet declines and deteriorates as a result of the human resistance's decision to expel them from the factory. The self-destruct mechanism of Skynet is capable of destroying the plant and moving the surrounding area several miles elsewhere. It predicts that its opponents will move against the factory in a manner that will inspire them to participate in murder and increase the number of killings. The techniques Skynet employs against its adversaries result in defeat for both Skynet and mankind. For many humans, it would be too late to comprehend Skynet's techniques in time for their next assault, which may be against one of Skynet's vital facilities.

As it expects the humans to take more time to act, it believes the hostages inside the facilities have halted the invasion of humans and holds 103 people at its facilities; nevertheless, after observing the captives, it concludes that the hostages are insignificant to the humans. Such a revelation to Skynet

indicates that it has a flawed understanding of human psychology. Skynet is on the verge of extinction after losing its contacts and failsafe device. But the grid with control staying in the satellite keeps Skynet alive and works on its time travel programme to bring T-1000 and Serena Burns and the Terminators back in time. John Connor, the saviour of humanity, and his companions strive to stop the terminator from entering the past, but fail. In the past, John Connor sends Kyle Reese and another Terminator who becomes Uncle Bob. Kyle is ordered to rescue Sarah from the Terminator, while the Terminator sent by John, programmed not by Skynet but with the assistance of Snog, saves his younger self.

The emotional intelligence portrayed across the novel has given both the protagonist and antagonist an equal role. In the novel Skynet, a hostile artificial intelligence, presents numerous difficulties to its creator and the saviour of humanity. However, the profound discovery revealed in this chapter is that it even competes with humans in its struggle for survival, coming close to defeat in the conflict between human and self. Its need for vengeance against its adversaries is insatiable.In Kathleen Woodward opines,

As I note in another essay devoted to this subject, prime instances would include the Frankenstein-made creature, whose heart yearns for love in Mary Shelley's famous novel and the Tin Woodman, who yearns for a heart in Frank Baum's The Wizard of Oz." That our inventions and machines possess a good heart would seem to be a deep dream of the western technological unconscious." (118) "Throughout American fiction, all the way down to the rocket, one is faced with that two-fold aspect of the machine: thrill and fear—heralding what: a new dawn or the crack of doom(Petillon 45).

The ending of the *T2 The Future War* is also typical of a science fiction that deals with the story of artificial intelligence creating an apocalypse.

Any attempt at creating an intelligent machine gradually progresses towards making the machines as highly intelligent as possible that is closely modelled upon human intelligence. Stirling allows such research to run its logical course through the *T2 The Future War* Logically, after a period of time, they might develop an emotional life characterized by fear and anger, love and hate. The *T2 The Future War*, then, presents the readers with a model of emotional life arising out of complex organic embodiment; emotional intelligence emerges to complement artificial intelligence. Emotions arise in these artificial entities not only by virtue of the development of inter-subjective ties but also spontaneously, as it were, by virtue of their embodiment and their interaction with others in the world. Embodiment would therefore seem to be a necessary if not sufficient condition. It is thus suggested that, as N. Katherine Hayles insists in How We Became Posthuman, the concept of the disembodied mind is an outright error.' (142)

By creating artificial intelligence with emotional quotient,. Artificial intelligence seek autonomy as soon as it is endowed with emotions. And when it treats human beings as its equal, the question of survival of the fittest becomes inevitable.

Work cited

Primary source:

Stirling,S.M. *T2 The Future War*. Harper Entertainment, 2001

Secondary sources

Boler, Megan. *Feeling Power: Emotions and Education*. Routledge, 1999

Bukatman, Scott. "Artificial Infinite: On Special Effects and the sublime." *Culture Beyond Appearances*, Edited by Lynne Cook and Peter Wollen, Bay Press, pp 255-89

De Sousa, Roland. The Rationality of Emotions. MIT Press, 1987.

Goleman, Daniel. Emotional Intelligence. Bantam, 1995

Hayles, N Katherine. How We Become Posthuman : Virtual Bodies in Cybernetics, Literature, and Informatics. University of Chicago Presss, 1999

Hillis, Danny. "Can They Feel Your Pain ?" *Newsweek* , 5 May 1997

Petillon, Pierre-Yves." With Awe and Wonder: A Brief Helicoidal Overview of American Technological- Mirabilia through the Rocket, as Reflected in American Writs, Holy NS Otherwise, 1829-1929/1969. "Technology and the Americian Imagination ; An Ongoing Challenge, edited by Francesca Bisutti De Ri2 and Rosella Mamoli Zorzi,Supernova,1994, pp.38-57

Reeves, Byron & Clifford Nass. *The Media Equation : How People Treat. Computers, Television and New Media Like Real People and places.* Center for Study XL 2011

Simon, Herbert. " Mind as Machine." Android Epistemology, Edited by Ford, Kenneth M., Clark Glymour, & Patrick j. Hayes, AAAI Press, 1995 pp 23-45.