



THE BLURRING BOUNDARIES BETWEEN THE DIGITAL AND PHYSICAL WORLDS AND FINDING THE OBJECTIVE REALITY IN WILLIAM GIBSON'S NEUROMANCER

Ms. O. M. Jumana Haseen

Assistant Professor, Department of English, Aiman College of Arts & Science For Women, Trichy.

Abstract

Welcome to the SMART World! Digital transformation transforms, changes and controls, the technology, the usage, and the user. While having numerous benefits such as productivity, innovations, cost reduction, it also has negative impacts concerning privacy, cybersecurity risks, technological dependency, job displacement, psychological effects, and environmental balance in our life. Science and technology can fulfil our requirements for sure because they are constructed and developed based on human need. The creator controls the creation and not the reverse. Being lively and living our life is the ultimate purpose of life. Digital world should make life easy. Man-made technology has its limitations, likewise in technological world, humanity lacks. We should limit our usage for good health and wellbeing, enhanced lifestyle, and preservation of human skills and creativity. The novel Neuromancer by William Gibson is a cyberpunk novel. The story follows a computer hacker hired by a mysterious employer to carry out dangerous and complex hacking missions. The novel is known for its gritty and atmospheric depiction of a future where technology and human mind intersect. The world of Neuromancer explores the implications of advanced technology and the human desire for power and control in a hyper-connected world. We come to know of the dangers of AI systems to manipulate the individuals and control the society for their own gain, the erosion of what it means to be human when there is a loss of humanity in the face of increasing technological integration and the complexity of reality and perception because one must know the difference between what is real and what is constructed by finding the objective reality than viewing only the subjective perception.

In the digital era, the integration of digital technologies has brought about profound changes in traditional practices and opened new opportunities. Digital transformations have revolutionized industries such as healthcare, finance, and transportation, showcasing the transformative power of technology in driving innovation and efficiency. From cloud computing and artificial intelligence to the internet and big data analytics, the digital landscape offers a plethora of tools and opportunities for organizations to thrive in an increasingly interconnected world. Today they are the driving force that they even started to reshape our life.

However, while digital transformations bring numerous benefits, they also present challenges such as cybersecurity risks, privacy concerns, and the need for upskilling the workforce. Therefore, it is crucial for organizations to embrace digital transformations responsibly. Although by adopting imperative strategies and to bind full potentialities of digitalization for inclusive and sustainable future.

William Gibson's *Neuromancer* (1984) is a seminal cyberpunk novel, gives us the glimpse of digital future. The term cyberspace is coined by Gibson and it is credited to him. The story follows the protagonist Case, a computer hacker hired by a mysterious employer known as Wage to carry out a dangerous and complex hacking mission. In the world of cyberspace known as The Matrix, Case was once a talented cyber crime artist who stole digital information and was punished for his crimes by losing his powers of access to virtual reality database aka Matrix. But to regain his position as a hacker



he agrees to help a Shadowy figure Armitage by exchanging his services. They are supposed to penetrate through the cyberspace, artificial intelligence in virtual world. Meanwhile Wintermute a rogue AI is seeking the power of Neuromancer, another AI, to achieve God-like capabilities.

Case encounters cyberpunks, Molly Millions a street samurai, Riviera an artist who joins with him in this mission. The aim is to navigate a treacherous world of corporate espionage, double-crosses, and virtual reality landscapes, all while confronting their own personal demons. Throughout the novel we can feel the atmospheric depiction of a future where technology and the human mind intersect for power and control in a hyper-connected world.

Two such worlds are Matrix and Cyberspace. The Matrix has its roots in primitive arcade games, a two-dimensional war space faded with the help of mathematically generated logarithmic spirals that controls circuits of war. The Cyberspace is a consensual hallucination of mathematical concepts like graphs, data are abstracted from the banks of every computer in the human system. Example: with familiar configuration Case accessed Eastern Seaboard Fission Authority 's Aztec pyramid data (Gibson 113).

“Case was twenty-four. At twenty-two he had been a cowboy, a rustler, one of the best in the Sprawl. He had been trained by the best, by McCoy Pauley and Bobby Quine, legends in the biz” (Gibson 5). Once he jacked into cyberspace called Matrix and lost his consciousness. A thief he worked for provided him with an exotic software that could penetrate through walls of corporate systems, opening windows into rich fields of data. He made a classic mistake; he stole from his employers something for himself. He was caught by, and they damaged his nervous system with a wartime Russian Mycotoxin. His talent burning out micron by micron, he hallucinated for thirty hours. The damage was minute, subtle, and utterly effective.

The humans in the world of Neuromancer are not really humans, they are literally technoparts. They believe in philosophy “if God made anything better, he kept it for himself” (Gibson 115). The black clinics in Chiba supplant the whole body with techniques monthly but still they could not cure Case from his neural damage. Case then started to work for Armitage in the closed circuit of black market that sell illegal weapons like watches, flick knives, lighters, pocket VTRs, simstim decks, weighted manriki chains, and shuriken in Night City, a high-tension area.

“Biz here was a constant subliminal hum, and death the accepted punishment for laziness, carelessness, lack of grace, the failure to heed the demands of an intricate protocol” (Gibson 8). Case was programmed in such a way that no virus program can enter his software and if happens so it will be interfaced through the deck, before it starts to work on him. Case is poisoned with slow virus, in order to find the cure, he is compelled to work for Armitage.

The novel then moves to Villa Straylight where a family named Tessier-Ashpool owns two different Artificial Intelligence Wintermute and Neuromancer. They are joined at single computer terminal, AI Wintermute is on computer mainframe and Neuromancer is on physical mainframe. If they joined together, they become too powerful. But Neuromancer does not want to merge with Wintermute because it fears that its own personality would be lost or damaged.

“Case then meets Wintermute, a simple cube of white light, that very simplicity suggesting extreme complexity” (Gibson 123), in Rue Jules Verne, nearby Desiderata's Street inside a Matrix. The AI Wintermute of Tessier-Ashpool is only a part of another, to become a potential entity, it needs to merge

to another AI Neuromancer, to become a human equivalent. This was Case's next assignment. To get Case under its control, Wintermute kills Armitage. It also blackmails Case like Armitage for the cure to his poison.

Case and his colleagues know how to create a virus, penetrate walls, defend a site, or protect malicious firmware enter their software. They can even access existing military systems and artificial intelligences using a Chinese icebreaker called "Kuang Grade Mark Eleven" (Gibson 139) with the help of which they can neutralize any defence in the Matrix and ROM module of McCoy Pauley, Case's mentor for hacking expertise to survive in the cyberspace.

Case then gets into the hands of Turing Police Michele. "You have no care for your species. For thousands of years men dreamed of pacts with demons. Only now are such things possible" (Gibson 173). By the end of the novel Case won against fighting Wintermute. The two AI Wintermute and Neuromancer merged to become entirety of Virtual Reality, an unnamed entity that has full control over the virtual world which has unknown consequences. People die in Neuromancer, it was not a glitch between the real and artificial intelligence world. Case's colleagues Riviera, Armitage, Ashpool, Linda, Michele, and Pierre are dead in the fighting against Artificial intelligence. Finally, Case and Molly survive the cyberspace and return to Earth and are rewarded for their success in the mission.

The negative impacts associated with digital transformations are data collected can be misused and accessed without proper authorization concerning privacy and data security. Hacking could also happen risking sensitive information, disrupting operations which includes cyber threats. Above all they affect us psychologically as well. Excessive screen time, social media usage, and digital overload can contribute to stress, anxiety, social isolation, and addiction. Moreover, the production and disposal of electronic devices contribute to e-waste, and the energy consumption associated with data centres and digital infrastructure can have a significant carbon footprint.

The novel portrays the dangers of AI systems that control and manipulate the individual of a human world. A word of caution can be felt as a negative outcome of technological dominance, i.e., the loss of humanity. What it means to be human must be rewritten as these perverse influence has caused to make fewer human interactions, connections, emotions, and values seen in digital world. Since the world is heavily influenced by Virtual Reality and digital constructs, the humans are finding it complex to know the reality and the perception.

Furthermore, we must examine the objective reality which the world agrees more to by highlighting the subjective nature of perception. One must be able to evaluate sources, fact check the claims, considering multiple perspectives by understanding digital landscape can help us in finding the objective reality. Embracing the ambiguity and subjectivity within the narrative can be integral part of exploration of the nature of reality itself. This in turn will give us a valuable insights, themes, and philosophical answers to our questions.

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