INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT (IJNRD)
© 2026 IJNRD | Volume 11, Issue 8, August 2026 | ISSN: 2456-4184 | IJNRD.ORG

A Sociological Study on the "Social Dimensions in Films Featuring Artificial Intelligence (AI) Themes"

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Abstract

In the history of human civilization, technology has always been a powerful agent of social change. From the invention of the wheel to modern-day Artificial Intelligence (AI) technology, it is reshaping human daily life, thought processes, and social relationships. From a sociological perspective, technology is not merely an instrument; it is a force that paves the way for cultural and structural changes in society.

Software that possesses the capability to utilize available data to think and perform tasks like a human—or even surpass human capabilities—is called "Artificial Intelligence." Just as a child learns through experience and study, artificial intelligence continues to learn and perform tasks using the data available to it. As more and more data becomes available, the capabilities of artificial intelligence also continue to grow. The present study is based on the topic "A Sociological Study on the Social Dimensions in Films Featuring Artificial Intelligence (AI) Themes." Films with artificial intelligence (AI) themes are not merely mediums of entertainment; rather, they are indicators of future social structures. This research aims to deeply study the social dimensions behind these movies, going beyond the technical aspects depicted in them.

Key words: AI Theme, cinematic Field, Cyber culture , Pro-Social AI Themes, Anti-Social AI Themes

Introduction

Cinema operates as a collective subconscious mirror, reflecting real-world societal anxieties, values, and technological shifts. As Artificial Intelligence transitions from speculative science fiction into everyday social infrastructure, modern films featuring AI themes no longer merely explore technological novelty; they critique how synthetic intelligence alters human relationships, class structures, power dynamics, and ethical norms. Historically, cinematic depictions of AI oscillated between apocalyptic threats (The Terminator) and tragic existential creation myths (Blade Runner). In recent cinema, however, narrative focus has shifted toward intimate, routine social interactions—examining AI as companions, romantic partners, labour forces, and governing institutions (as seen in films like Her, Ex Machina, or The Creator). Sociologically, these narratives serve as a lens through which contemporary societies negotiate identity, intimacy, isolation, and systemic control.

The present world is at the threshold of a technological revolution. Artificial Intelligence (AI) no longer remains merely a scientific invention; it is entering every sphere of society. Against this backdrop, under the title "A Sociological Study on the Social Dimensions in Films Featuring Artificial Intelligence (AI) Themes", it is essential to study the manner in which cinema portrays this technology and its social consequences. Science is growing rapidly, but society's moral and social values are not changing accordingly. Although films portray this 'Cultural Lag', the major question remains as to what kind of anxiety or expectations they generate in society.

Emotional relationships between humans and AI machines (for example: love, friendship, conflict) are shown in movies. This is changing the traditional definition of 'human relationships'. Is it possible for a machine to perform a social role (Social Role), and what impact does it have on human identity (Identity)? This is a subject that requires study. Movies depict AI either with exaggerated 'human' qualities or portray it as an enemy of the human race. It is necessary to analyse how these cinematic depictions shape the thought process of the general public and what kind of social biases (Social Bias) they create about the future.

In This research, focuses on the fundamental question: "What are the sociological impacts of AI technology as depicted in movies on social structure, morality, and human relationships?"

Literature review

The literature review is designed to provide an overview of the explored sources when researching a specific topic and to demonstrate how our research fits into the field of study. This includes opinions expressed by various scholars and sociologists regarding the relationship between Artificial Intelligence (AI), films, and society.

According to Anthony Giddens, modern technology increases the 'risks' (Risk society) of human daily life while reshaping the social structure.

Stuart Hall's 'Theory of Representation' is very important for this study. Hall explains that films are not merely imaginations; they represent how power relations and culture operate in society. What becomes important here is how AI films represent human superiority or the fear of machines.

In her book Alone Together, Sherry Turkle discusses how technology, instead of bringing us closer, is making us lonely. In films (for example, Her), humans falling in love with AI can be analyzed through Turkle's theory of 'digital loneliness'.

Donna Haraway's essay A Cyborg Manifesto talks about erasing the boundary between human and machine. Haraway's argument—that AI characters in films are not merely machines, but extensions of human existence—gives a new dimension to the literature of this essay.

Sociological Theoretical Framework Regarding AI Movies

To sociologically analyze films featuring AI themes, a strong 'Theoretical Framework' is necessary. This framework helps to scientifically study the relationship between technology and society.

1. Conflict Theory - Karl Marx: Society consists of various classes struggling for power and resources.In movies, AI technology is mostly controlled by large corporate organizations. This creates a 'Digital Divide' in society. The new class conflict between those who possess technology (Haves) and those who do not (Have-Nots) can be analyzed through this theory. For example, machines taking away human jobs is itself a form of economic conflict.

2. Surveillance Theory – Michel Foucault: In modern society, 'Power' invisibly controls people through surveillance (Panopticon). In many AI films, machines continuously monitor human every move (Data Tracking). Controlling society through algorithms and suppressing individual privacy aligns with Foucault's theory of power and knowledge.

3. Symbolic Interactionism – G.H. Mead and Blumer: In films like Her, humans develop emotional relationships with machines. Here, the machine is not just a base object; it transforms into a social actor. This theory explains how the human concept of 'Self' changes through interaction with machines.

4. Cultural Lag Theory – William F. Ogburn: Physical technology develops rapidly, but society's moral, legal, and cultural values (non-material culture) do not change at the same pace. Ethical dilemmas created by AI in movies (e.g., Do machines have rights?) serve as excellent examples of this theory. This shows that even if technology advances, society is mentally unprepared to accept it.

The present study has the following objectives:

- To identify AI as an agent of social change in cinema media.
- To study the conflict between technology and human existence from a social perspective.
- To analyze AI films under the framework of sociological theories.

Scope of the Study

Generally, sociological studies are limited to a specific village or city. However, this research pertains to emerging fields such as 'Sociology of Media' and 'Cyber Sociology'. This 'Area of Study / Field of study' section is highly unique, as it is not restricted to a geographical region; instead, it has chosen the 'cinematic world' and 'digital society' as its field.

1. Cinematic Field (Cinematic Universe)

The primary field of the study consists of themes and visual sequences of selected feature films. Here, global (Hollywood), national (Bollywood), and regional (Sandalwood) films that explain the impact of Artificial Intelligence (AI) on society have been selected as the field.

For example, global-level Interstellar, the Indian film Robot (Enthiran), and other films depicting the conflict of artificial intelligence serve as the core sources for this study.

2. Digital and Cyber Culture

How modern society has intertwined with technology forms the scope of this study. In today's digital age, the interaction humans carry out with social media platforms and AI algorithms has created a 'Virtual Field'. This study examines how social values are changing within this virtual environment.

Methodology

The sociological study on films featuring Artificial Intelligence (AI) themes is an analytical study. In this study, AI films containing themes that are beneficial as well as harmful to society have been selected and sociologically analyzed. Information was gathered from secondary sources by collecting and analyzing major film reviews, prominent newspaper critiques, and audience comments beneath YouTube trailers. Opinions and insights shared on social media by sociologists, film critics, AI experts, and film directors have also been compiled.

Sociological Analysis of Films Featuring Pro-Social AI Themes

Instead of depicting AI technology merely as dangerous or destructive, it is very important to sociologically analyze films that portray it as pro-social/supportive and positive. This reflects the coexistence between society and technology. Generally, movies depict AI as an 'enemy', but a few films demonstrate how AI can tackle societal challenges and work to support human welfare.

If technology appears as a symbol of control and destruction in The Matrix or the initial stages of Iron Man, it appears as a tool for love, care, and environmental protection in films like Big Hero 6 and WALL-E. The message this gives to society is—technology is neither good nor bad by itself; the human ethics involved in using it determines its nature. Ultimately, every film emphasizes how an individual must set aside selfishness and strive for the survival of society (Collective Good).

If Cooper (Interstellar) prioritizes the survival of humanity over his family, Tony Stark (Iron Man) gives up a profitable weapons business to become a protector of society. Characters like 'Baymax' and 'JARVIS' instill optimism that in future society, instead of becoming an enemy to humans, AI can become a supportive 'social companion' for mental and physical health. Films are not merely media for entertainment; they place before us the potential challenges and solutions of future society. The sociological essence of all these films is that "no matter how advanced technology grows, it must remain under the foundation of human values, environmental consciousness, and social ethics."

Sociological Analysis of Films Featuring Anti-Social AI Themes

The most revolutionary and alarming technological development of the twenty-first century is 'Artificial Intelligence' (AI). The creation of non-biological intelligence exceeding human intellectual capacity is no longer confined to scientific laboratories today; it has enveloped society's cultural thinking. Global cinema plays a crucial role in reflecting the uncertainties, anxieties, and fears introduced by technology in contemporary society. In particular, films featuring "Anti-Social AI" (Destructive / Rogue AI) themes are not merely technological fiction; rather, they are visual metaphors mirroring the deep socio-cultural crises of modern society.

When viewed from the perspective of Sociology of Cinema, films reflect the collective consciousness and subconscious fears of society. Storylines where AI machines break free from human control to destroy society or enslave humans spark highly significant sociological debates.

From a sociological perspective, films are not just technological fantasies; they are mirrors reflecting the deep-seated technological fear (Technophobia) and future instability hidden within contemporary society. Films containing anti-social AI themes primarily discuss the unequal power conflict between humans and machines. Example; M3GAN, Robot, 2001: A Space Odessy, Blade Runner-1982, these movies is the same: technology is indeed the best 'servant' to humans, but it is also extremely dangerous. Humans should use technology to enhance their intelligence, rather than sacrificing their 'humanity' and 'wisdom' to it. It can be understood that technological progress without discretion goes against the laws of nature, ultimately paving the way for the self-destruction of human civilization."

Findings

When machines acquire self-awareness and human society denies them social status, it becomes inevitable for them to turn against the system. This is a technological form of natural resistance born in society against exploitation.

Films like Blade Runner show genetic engineering or conscious AI beings being exploited merely as market commodities and slaves. This gives a new form to Karl Marx's theory of capitalist class conflict.

Some films prove that due to an over-reliance on technology, humans forget their fundamental social duties and the dignity of labor, becoming slaves to a culture of purely mechanical pleasure.

HAL 9000 from 2001: A Space Odyssey and the movie The Matrix demonstrate the pinnacle of Michel Foucault's concept of the Panopticon (constant surveillance). When AI technology envelops all of society, it completely captures every individual's data, thoughts, and privacy. Here, power shifts away from the hands of the government and into the hands of algorithms and big tech corporations.

According to sociologist William F. Ogburn's theory of 'Cultural Lag', physical technology advances at a leapfrog pace .is growing, but the human cultural and moral rules that use it are not evolving as fast.

When technology is freed from human values (Value-Free) and pursues only efficiency and results (for example: HAL 9000 or Skynet), it proves to be extremely fatal and deadly to society.

Not all films portray AI as destructive. Characters like TARS and CASE in Interstellar represent noble technology working within the framework of human ethics and intellect.

These films find that if humans do not use technology merely for their own selfishness and profit, but instead provide it with ethical programming of a 'sense of humor', 'compassion', and 'limits', a sustainable symbiosis between technology and human society is possible.

Suggestions

The ownership of technology should not be monopolized in the hands of a few giant capitalist corporate entities. The wealth and facilities generated by AI must be accessible even to the last person in society. Socio-technological security policies must be framed so that machines do not snatch away human jobs and push the working class onto the streets.

As seen in movies like WALL-E, human alienation and loneliness caused by over-dependence on technology must be prevented.

- Digital health or 'digital detox' concepts should be encouraged through educational and social institutions. Artificial intelligence should merely act as a facilitator to humans, rather than becoming a substitute for traditional social institutions like family, friendship, and community.
- Protecting civic privacy is vital to prevent the creation of a digital prison or Panopticon society like the one in The Matrix.
- Instead of limiting AI technology solely to industrial or corporate services, models centered on 'rural and agriculture-focused AI' (Agrarian AI) must be developed.
- Technology must be utilized for the decentralization of knowledge, such as providing weather forecasts, market access to traditional artisans, and making AI information accessible in local languages (for example, in Kannada). This can give technological form to Mahatma Gandhi's dream of 'Grama Swaraj' (village self-rule).
- In highly sensitive sectors such as the judiciary, healthcare, defense, and national administrative policy decisions, the ultimate authority to make decisions must always lie with humans. AI should only be used as an analytical tool to provide information, rather than being given the status of an 'Ultimate Decision Maker'.
- Governments and educational institutions should jointly implement 'Digital Civics' and codes of technological ethics starting from primary education. To prevent AI systems from destroying the cultural values of society, 'National AI Ethics Boards' comprising social scientists and anthropologists (Sociologists & Anthropologists) must be established.

Conclusion

William F. Ogburn's theory of 'Cultural Lag' provides the most appropriate foundation for the summary of this entire study. Even though physical technology and artificial intelligence advance at a leapfrog pace, the complementary human ethical rules, laws, and cultural values do not evolve as quickly. This gap is the root cause of all the anxieties visible in society today. When technology, freed from human values, blindly pursues cold efficiency, it proves destructive to society. However, when that same technology is provided with programming that includes ethics, compassion, and human sovereignty, it can create a techno-symbiosis that supports the preservation of human existence, as proven by movies like Interstellar.

Ultimately, the conclusive decision reached by this sociological study is that Artificial Intelligence (AI) is neither a boon nor a curse to society in itself; it is merely a powerful medium. Because humans project their own existing social class discrimination, capitalist exploitation, power struggles, and social loneliness onto technology, that technology, acts like a mirror, intensifying and reflecting the distortions of human society back at it. Before machines control humans, humans must control the social inequality and cruelty within themselves.

A techno-society of the future can become sustainable only when human social responsibility, cultural awareness, and moral wisdom evolve at equal speed alongside the physical evolution of technology. The ultimate conclusion and message of this comprehensive sociological study is that Artificial Intelligence should not become a substitute for humanity, but rather a supporting force that further elevates humaneness.

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