

## STATUS OF INTELLECTUAL PROPERTY RIGHTS

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### **Abstract :**

*Can a computer think like a human? From this research that started seven decades ago, the concept of 'Artificial Intelligence' (AI) came to the world. It began to help supplement human intelligence and enhance decision making. Today, the field of artificial intelligence is dominated by men. Artificial Intelligence' is not a substitute for human intelligence but a tool to enable human decision making. Only 22 percent of women are employed in this sector in India. In the future, if the participation of women in the field of artificial intelligence increases, the new research and development in this field will not only have a positive impact on this field, but also on society as a whole. That is why it is the need of the hour for women to enter this field on a large scale. 'Artificial Intelligence' is no longer just a technological tool but it has revolutionized the business world and hence it is the need of the hour for women to participate in the 'Artificial Intelligence' business today. In such a situation, professional social workers should step up and try to remove the imbalance that has arisen. This is the need of the hour. Thus, India will be known as a technologically capable country in the world.*

**Keynote:** Artificial Intelligence, human intelligence, Social Worker

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In the 1990s, the 'World Wide Web', the computing maelstrom, made technology accessible globally, while in the early 21st century, information and technology came into the palm of the hand through the 'smartphone'. In the first decade of this century, 'cloud computing' made 'data processing' and 'storage' possible anywhere and anytime. This has been achieved by 'Artificial Intelligence' with the ability to effectively draw conclusions from the subtlest 'Pattern Recognition' in the data, going beyond human intelligence and doing deep research. The reason for the increasing importance of the conclusion.

The field of education, 'artificial intelligence' has made its mark. It has an unprecedented ability to deliver educational lessons that challenge the student's intelligence, based on their abilities and acquired skills, and the teacher can use it to determine his teaching style and pace. A major use of 'artificial intelligence' is in smart manufacturing where a machine can be repaired using statistical information and prediction before it breaks down. Women should come forward in more numbers and make their mark in this field as well. Today, there is a huge gender gap between researchers, technicians and users in the field of 'artificial intelligence'. It is necessary to provide proper guidance and education and training to women about the opportunities in this field. So that the male-female gap in the field of 'artificial intelligence' can be gradually reduced. According to a 2024 report by the 'World Economic Forum', only 30 percent of the 'artificial intelligence' and 'big data' professions are women globally, while the figure is only 22 percent in India. Also, the share of women in STEM



(Science, Technology, Engineering and Mathematics) fields was 24.4 percent in 2015, rising to 27 percent in 2024. However, there is an urgent need to increase the participation of women in this sector. There is no doubt that the increasing participation of women in the field of artificial intelligence will play a significant role in the advancement of this field in the future. But at the same time some questions are also being raised. 'Artificial intelligence

Today's 'artificial intelligence' systems are largely influenced by male-dominated fields. Greater participation of women at all levels of 'algorithm design' and 'model training' as well as active participation in systems monitoring, evaluation and feedback processes are effective measures to strike this balance. Artificial intelligence is trying to find ways to imitate human emotions and thinking patterns. It is influencing various sectors like Health, Services, Finance, Education and entertainment. Therefore, it is necessary to examine the potential impact of this effect on women. The power of the modern generation of 'artificial intelligence' models lies in their analytical capabilities in massive 'digital data'. At the same time, the creation potential of these systems is truly intriguing. After seeing artificially generated videos, materials and pictures, we have now entered an age where we can expect complex tasks to be performed effortlessly by just giving commands and these 'artificial intelligence' users can execute them. Its positive or negative effect depends on the user of the technology. Why is it necessary for women to take training in this? And what will be achieved by their participation in this field?, the answers are partially hidden.

Today this field is dominated by men. Algorithms on the basis of which products and services are being created based on 'artificial intelligence'. It shows the influence of patriarchal feelings. Inclusive design should be emphasized to maintain sensitivity in these future systems. Decisions and recommendations generated from these systems will therefore reflect non-discriminatory sensitivity. There is an urgent need to include women from all walks of life in 'artificial intelligence' and to highlight their participation in various decision-making processes. This will only be possible if more women are included in all phases of design, development, implementation and research in the sector.

'Artificial intelligence' models have raised many ethical questions, particularly in terms of privacy, transparency and accountability. The use of 'copyrighted' material has been the most debated issue while developing this system by collecting large amounts of 'data'. Recently an 'artificial intelligence' based 'recruitment bot' was stopped after it was found not to be gender neutral. A review of history shows the great contribution of women in the fields of ethics and human rights. Their views can be important in this field. Women researchers and policymakers should take the initiative to regulate this, so that the impact of artificial intelligence on men and women is not discriminated and the ethics of artificial intelligence on artificial intelligence.

can bring a different perspective to the 'artificial intelligence' system design and development process due to their empathy, excellent communication skills and fundamental ability to think critically. According to Deloitte's survey on women working in 'Artificial Intelligence' and 'Machine Learning', the need of the hour is to have more women in the field of 'Artificial Intelligence', improve the design and performance of systems and have a more diverse work culture. Achieving gender equality globally may still take some time. Many initiatives are being planned around the world to reduce the gap between men and women.



## Employment is inextricably linked with women empowerment

India aims to become a developed nation with a \$30 trillion economy by 2047. Expertise in 'Artificial Intelligence' is highest in India. The economic development of any country depends on its people, and 49 percent of India's population is women. Therefore, in order to make women equal partners in economic development, it is the need of the hour to actively participate and lead in the efforts made by the government, educational institutions, and the industry sector for maximum number of women to acquire 'artificial intelligence' technology. Based on the world experience on AI, it has suggested a way forward for India, which involves infrastructure development, policy & regulations, research & development, and human resource development. All the stakeholders need to come together to discuss on these issues. Government has a major role to play in infrastructure development, applications in public sector, policy & regulations, technology development and HRD. However, these can be successfully done with the support from industry. India is amongst the top 3 largest start up hubs of the world. A national program on AI shall catalyse these innovative minds to co-create solutions and contribute to the building of new India governed by technology. Invest India shall become the executing partner and provide R&D support to implement the Government of India's vision in creating Artificial Intelligence focused Centre of Excellence across the country. Low research capability and lack of data ecosystems in India are identified as challenges to realise the full potential of AI. India should create two-tiered research institutes (for both basic and applied research). It needs to set up learning platforms for the current workforce. The country should also create targeted data sets and incubation hubs for start-ups. Finally, it should establish a regulatory framework for data protection and cyber security.

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