

# Emotionally Intelligent Machines & Sentiment Synthesis based on Ancient Vedic Astrology

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<sup>1</sup>DOI:

April 25, 2023

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## Abstract

After brain researchers have recognized that emotions are crucial for human and animal intelligence, Artificial Intelligence researchers have also started to acknowledge the importance of emotions in the design of intelligent machines [1]. In this paper, we will discuss about the Emotionally Intelligent Machines(EIM's) which is the new field of research in Artificial Intelligence but it has a great potential to do immense good, however the technology can be misused but it is up to the consumers of this technology who will decide whether the it will be used for good or for evil [2]. Also, Astrology has always been a controversial topic and is completely depends upto the personal faiths and beliefs of an individual. Apart from that, this paper describes that how Emotionally[3] Intelligent Machines(EIM's) & Sentiment Synthesis Systems can be developed by using the concept of Ancient Vedic Astrology.[4]

**Keywords:** Neural Networks, Sentimental Analysis, Vedic Astrology, Synthesis, Emotional Intelligence, Affective Computing, Subconscious, Cognitive Science, Philosophy, Psychology, Modalities, Galvanic Resistance, Bioinformatics, The Gateway Experience, Hemi-Sync, Cognitive Dissonance, Cognitive Harmony, Astral Travel, Hypnosis, Trasedental Meditation, BioFeedback(Creative Visualization), Emotion Dynamics

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## 1 Introduction

For half a century, artificial-intelligence researchers have focused on giving machines linguistic and mathematical-logical reasoning abilities, modelled after the classic linguistic and mathematical-logical intelligences. This paper describes new research that is giving machines skills of emotional intelligence. Machines have long been able to appear as if they have emotional feelings, but they are now being programmed to also learn when and how to display emotion in ways that enable them to appear empathetic or otherwise emotionally intelligent. They are now being given the ability to sense and recognize expressions of human emotion such as interest, distress, and pleasure, with the recognition that such communication is vital for helping them choose more helpful and

less-aggravating behaviour.

Emotionally Intelligent Machines(EIM's) is the development of systems that can recognize, interpret, process, and simulate human emotions based on the concept of ancient vedic astrology. They are the machines which can adapt different situations and knows how to handle these situations more intelligently and smartly. In modern technical world, the need of EIM's are can be seen due to their numerous applications which are expanding rapidly. Some of the common applications of EIM's are:

## 2 Research Model & Hypothesis

The chapter mainly describes the discussion on relationship between the birth chart the mathematics

of dynamical systems, ancient vedic astrology & the psychology of human behaviour which is completely based on the supporting evidences found during the study of Artificial Emotional Intelligence(AEI). Sentiments can be synthesized in machines and algorithms by means of artificial intuition based on the concept of ancient vedic astrology which will lead to the development of more smart and intelligent systems. These type of systems can be very helpful in many areas such as in Healthcare, Education, Business Intelligence, Social Media, Automobile, etc.

### **3 Related Work & Review of Literature [5]**

#### **3.1 What is Artificial Intelligence?**

#### **3.2 Limitations of Artificial Intelligence**

#### **3.3 What is Emotional Intelligence?**

Emotional Intelligence (EI) refers to the ability to recognize, understand and manage one's own emotions as well as the emotions of others. It involves being able to use emotional information to guide thinking and behavior, and to navigate social situations effectively.

EI is often described as having four components: self-awareness, self-management, social awareness, and relationship management. Self-awareness involves recognizing and understanding one's own emotions, strengths, and weaknesses. Self-management involves being able to regulate one's own emotions and behaviors in response to different situations. Social awareness involves recognizing and understanding the emotions of others, as well as the social norms and expectations of different situations. Relationship management involves using emotional information to communicate effectively, build and maintain relationships, and resolve conflicts.

EI is considered an important factor in personal and professional success, as it can help individuals navigate social interactions, build strong relationships, and manage stress and challenges effectively.

#### **3.4 Emotional Artificial Intelligence**

##### **3.4.1 Definition**

##### **3.4.2 Limitations of Artificial Intelligence**

##### **3.4.3 Need, Importance & Benefits**

##### **3.4.4 Applications**

#### **3.5 Conscious, Subconscious & Unconscious of Artificial Intelligence**

#### **3.6 Convergence, Divergence and Belief Systems of AI**

##### **3.6.1 Stability and Unstability**

#### **3.7 Emotion Dynamics**

#### **3.8 The Butterfly Effect & Chaos Theory**

Richard A. Anthes in 2022 by his paper "Predictability & Predictions" showed his experiences with predictability theory and weather predictions began as an undergraduate student at the University of Wisconsin in Madison in the early 1960s. His interest in numerical simulations led to the development of a simple nonlinear one-dimensional gravity wave model and later a nonlinear, baroclinic, three-dimensional model of the tropical cyclone. His experiences highlighted the challenges of numerical and physical instabilities in weather prediction models [1]. [6]

## 3.9 Quantum Level V/S Cosmic Level

### 3.9.1 Microscopic V/S Macroscopic

## 3.10 Plutchik's Wheel of Emotions

## 3.11 Ancient Vedic Astrology

### 3.11.1 Classification of Vedic Astrology

### 3.11.2 Surya Siddhanta

### 3.11.3 Vrihat Samhita

### 3.11.4 Vrihat Parashar Hora Shastra

### 3.11.5 Significance of Planets

## 4 Methodology

## 5 Implementation & Planned Experiments

## 6 Conclusion & Outlook

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### Summary

The human mind is a very complex dynamical system that evolves over time in responses to the various inputs from the environment. To understand this in simple words, let's imagine what will happen if human mind does not have any type of memory with it or it will act as a static system. What will be our experience in this case? How does it feel like? If it will be the case, then everything will be instantaneous for us. There is no happiness, no sadness no fear & no anger. There will be no emotions. There will be no experience of feeling anything due to the absence of memory. This will happen because our mind collects all the past experiences of our life as data in the memory and whenever will be a situation to deal, it extracts the information of the past experiences stored inside the memory, compares this information with the present input, and decides how to handle with and react in this situation. This task handling experience is stored again in the memory for the future processing.

### Acknowledgements

*"I would like to express my sincere gratitude to all those who have contributed to the completion of this research paper. Firstly, I am very grateful to my supervisors Dr. Priyank Singhal & Mr. Vikas Kuchhal, my mentor Dr. Anu Sharma and astrologer Mr. DK Lahori for providing me the guidance and support throughout the research. Their feedback, encouragement, and insightful comments have been invaluable in shaping this paper."*

*"I am very grateful to Dr. RK Dwivedi the director of College of Computing Sciences & Information Technology for providing me the opportunity to conduct this research as part of my academic program. This research has not only been a valuable learning experience but has also contributed to the knowledge base of the field."*

*"I would also like to thank my colleagues and friends who provided me with valuable feedback and suggestions on the initial drafts of this paper. Their inputs have significantly improved the quality of this research."*

*“Furthermore, I would like to express my gratitude to Teerthanker Mahaveer University for providing me the necessary resources and infrastructure to conduct this research. The library staff and resources have all played an integral role in the successful completion of this study.”*

*“The research skills and knowledge I have gained during my time at the college have been instrumental in shaping my approach to this research. I would also like to acknowledge the faculty members who have taught and mentored me during my academic journey, their insights and teachings have been invaluable in shaping my research skills and approach.”*

*“I am grateful to have had the opportunity to study at such an esteemed institution and to have been surrounded by individuals who have pushed me to achieve my best. Thank you, Teerthanker Mahaveer University, for contributing to my academic and personal growth.”*

*“Finally, I would like to thank my family for their unwavering support and encouragement throughout the research. Their love and understanding have been a source of strength and inspiration to me.”*

*“Once again, thank you to everyone who has contributed to this research.”*

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## Annotated Bibliography

## Appendix