HINDUISM: SINDOOR (VERMILION) IN THE ANCIENT INDIAN LITERATURE AND CUSTOM CORRELATION WITH SENTIMENT ANALYSIS AND ARTIFICIAL INTELLIGENCE

Dr.Shobha Lal

Professor of Mathematics and Computing, Department of Science and Technology
Jayoti Vidyapeeth Women's University, Jaipur,Rajasthan,India

Tanzeela Zarger

Ph D Scholar Computer science and Engineering, Jayoti Vidyapeeth Women's University, Jaipur, Rajasthan, India

Abstract: If Indians are carrying some customs and rituals then no wonder modern scientific development and modern computational Advancement are also stamping over them. Even after thousand years of beginning of Hinduism some customs are in trending mode in the different part of the world. Ancient India Literatures have different unfolded fact they may lead to the development of consequence narrations of Indian societies, women and Hinduism. Vermillion may have correlation with the Sentiment Analysis and Artificial Intelligence, one of the emergent fields Computer Science, Computation and Engineering. After Marriage, in the Hindu Society dash of vermilion powder on a bride's forehead is supposed as her holiest mark as she begins her journey as a bride irrespective of the age folds and phenomenon and this continues for the rest of her life. Donned between the hair partition; sindoor, since Ramayanakal , represents years of ancient folklore and beliefs about a woman's validation as a married woman with some scientific truth . Since put on by the husband during wedding rituals, sindoor is then applied by women every day to mark his presence in her life traditionally. In actuality as well, it is considered to be the symbol of matrimony in Indian households and an essential part of a woman's marriage.
 Ancient folklores suggested that those who wore *maang-bhar ke sindoor* (forehead full of sindoor) are to be respected as their husband's bride.

Keywords: Sindoor, Vermillion, Ancient Indian literatures, Sentiment Analysis, Artificial Intelligent

 Scope of Future Research: India is the country of vast and various social and ancient, modern mixed cultures and traditions where an ecosystem is need of hours as per the geographical region and climates of our Nation. Western cultures, customs and manifestations may not be that of identical to India and Indians. Our Ancient Indian Literatures have ample of Informations and Indian researchers should specify their research parameters remembering the glorious past Aryabhatta, Skandgupta and other legends of Research in the field of Science ,astronomy and others. Some famous ancient Indian Mathematicians were Baudhayan, Aryabhatta, Brahmgupta, Bhaskaracharya, Mahaviracharya. Our Ancestors like famous scientists were Kanad, Varahamihira, Nagarjuna and Medical Science was also highly developed in ancient India where Ayurvedais the indigenous system of medicine that was developed in Ancient India. Sindoor is one of the parameters of Indian culture that is balancing the ethics and relation of a married couple

and completely associated with the Modern concept of Sentiment Analysis and Artificial Intelligence not only limited to the coding of Ancient language like Sanskrit.

Research outcomes for Industries and Corporate/ Community Society: Under this section of Research work the intention of the Author of this paper is to say something as Specific, Measurable and realistic. Moto of any Research has always been the welfare of the Communities or pace the paths of some new tools, algorithms for the industries to optimize the maximal inputs. Formation of a family starts by the companion a male and female as husband and wife and this family in future turns the family into a society and society is the foundation of any Nation , its growth and glittering. Researcher has found that dedication and devotion of an Indian wife by following the spiritualities and Indian custom ensures moral ethics those had been symbols of our Indian Culture. Vermillion is a symbolic item but it has greater significance in the Indian Hindu society. India, its Ancient Indian Literatures may huge source of study respecting the past welcoming the future in all aspects of Research and innovations, now, world community is ready to accept the importance of our Ancient language Sanskrit and its application in Computer language.

Introduction: In Indian Hindu faith bearing society, marriage is supposed as solemnized when Vermillion is donned on the forehead of bride. As per existing faith in this context is that Age of the husband of married woman increased, name –fame of this pair scattered in all the directions, negative energy in the surrounds of such pair decreased and transmission of positive energy start working .As per sources of some Indian Ancient literature, the custom of using Vermillion at the time of marriage started at the era of Ramayankal (Ramaya Era) and mother Sita was using Vermillion every day on her forehead. It is said that one day Hanuman ji asked about the reason of using such chemical substance then   mother Sita replied to him by saying that her using of sindoor extends happiness of Ram, happiness ensure good health of Ram and good health ensures long life. In a section of Ramayan Tulsi dasji had described very nicely that how Sita had been keen to see happy to her husband Ram and how ascetic life she was leading. According to Ancient Indian concept and stories of grandmothers and forefathers – Sindoor save from the " sankat(Bad time) and resists death of husband from any Accident. In the Hindu family, during Navaratra of dussehra and in Diwali (Festival of light) use of sindoor is considers as more good and ensuring factor of good luck for the future life. Use of Sindoor by a married woman increase the bonding between the husband and wife .

Recognition of past Research: Our Ancient Indian Literatures have ample of Informations and Indian researchers should specify their research parameters remembering   the glorious past Aryabhatta, Skandgupta and other legends of Research in the field of Science ,astronomy and others. Some famous ancient Indian Mathematicians were Baudhayan, Aryabhatta, Brahmgupta, Bhaskaracharya, Mahaviracharya. Our Ancestors   like famous scientists were Kanad, Varahamihira, Nagarjuna and Medical Science was also highly developed in ancient India where Ayurvedais the indigenous system of medicine that was developed in Ancient India

Review of Literature: As per "poranik katha"(story taken from the Ancient Indian Bibliography)-Vermillion increases beauty of a married woman and it is the source of accelerating energy in the human body. With the red color of vermillion energy of " Mata sati and Parvati" had been expressed at large fantastically . As per this Bibliography and assumptions by using sindoor

mother blessed with " Akhandsaubhgwat"(Continuous blessings of God). As per Ancient Indian literatues- use of vermillion by a married woman on her forehead extends peace and harmony , Vermillion is considered as the symbol of respect of Mata Laxmi (Mother Laxmi godse) as   this god se mother like this. As per Poranik story Vermillion is generally used in the worship of mother Laxmi. According to this Ancient Indian Bibliography mother resides at the five places and among them first one is the head of a married woman where she uses indoor. Vermillion Ascertained peace and harmony in home and it is why Indian Women are called " Devi" and society warned to all   not to disrespect of woman. According to the Ancient India Bibliography" Hathyog" Susumna,Engla, pingla, the dasm dwar of sharir (Tenth door of the Body)- life of sacred heart and yogis(A person who is proficient in yogas) and women pass through the upper part and path of Brain so using vermillion their work as the supplement part of energy as the   upper part of head in female are supposed as more sensitive. According to the modern concept of science – Mercury Metal is find in the Vermilion, when it is used by a married woman on the physiological part of human body Electrical energy is controlled and negative energy separated . In the modern scientific concept it had been found that by using Vermillion-headache,Anindra(loss of sleeping tendency in human) and other brain disease disappears. Modern science suggests that after marriage to balance the hormonal changes in a female sindoor must be used it is why women of some other than hindu religion had also been using sindoor but of different colors to differentiate themselves from the Hindu Dharma women . Modern science says that mercury is find in the sindoor, so the no fast effect of facial Rugae. Effect of growing age of married woman is not recognized easily if that she use Vermillion regularly and this practice adds beautifulness to the face of such woman . Quality of sindoor had badly been effected due to the effect of western culture and some women are using synthetic vermillion as   such duplicate sindoor are of not any such scientific use   reviewer of the study is trying to show. According to the Ancient Indian Literature-" Sindoor saubhagya vardhanam" means Vermillion may be cause of increment in the good luck and prosperity in the life of a married woman and in the Hindu religion most   of the rituals are performed with the one of the ingredients as Vermillion. In the absence of Vermillion all holy rituals in the Indian hindu societies are supposed to be incomplete.. As per Ancient Indian Lietraure-" Sindoor abolishes   'PAP(Sin),TONETOTKE (Diablerie) TANTRA MANTRA(Occult). According to Ayurveda sindoor is very helpful in the blood related, skin and other physiological based disease. According to Indian Astrological   assumption if a person is suffering from blood related disease she/he should strike seven times by the clots of Vermillion on h\her/his head and this vermillion should be flowed in the current of water that person would be cured. According to the Ancient Literature if either one of a married couple be in any type of tension then he /she put a small quantum of sindoor below the pillow of his/her partner then peace and harmony then peace   and harmony will come in their life.

 According to the **Samundra Shastra** –sindoor open all windows of luck in life and it cures all health hazards issues, during Chhat puja , that is a famous festival of Hindu to worship the sun– a married woman use sindoor from forehead to nose (Mang se kapar tak). Assumption behind this is that life of a husband will be as long as the length of the line of Sindoor from the forehead to nose of a married woman. According to an ancient literature since past four hundred years that had been in the consideration in the Hindu society that - there is find a vain   in between the head and nose vertically that plays a very vital role in the blood circulation and it is more sensitized

and activated when Vermillion is pushed on it . According to modern invention- Sindoor maintain energy level and ensure positivity in the life of a married woman.The history can be traced to as back as five hundred years ago, when Hinduism started sowing its seeds into the cultural and traditional arena in the Indian society. Several other Scriptures like the puranas also mentions about the sindoor and its value in the married life. There is description of use of sidoor since Harappan civilization in India now due to modernization it may be said that – it is ultimately a woman choice to adorn her forehead with sindoor or not but ceasing to wear it usually implies widowhood.

Material and Method: Description of any fact which exist in any ancient literature even Indic language Sanskrit is under the scanner of the modern concept of Computer Science and Engineering

 Some Researchers of IIT Roorkee have analyzed that Sentiment Analysis concept is Applicable on the Ancient Literature like Valmiki Ramayan

 It is said that Sentiment analysis and natural language processing (NLP) are ways through which computational techniques are applied to create a synergy between human languages and computers and the perspective understanding. In the context to the Ancient language domain here the process as the sentiment analysis, also known as opinion mining, helps in identifying the emotional tone of a text and enables the analyzer to reach insightful conclusions based on how   ideas,   feelings,   and   events   are   described   in   a   text.

Sentiment analysis classifies the contents of a text as positive, negative or neutral. Sanskrit is one of the world's ancient languages, yet natural language processing tasks such as machine translation and sentiment analysis have not been explored for it, due to the unavailability of sufficient   labeled   datasets.
The purpose of sentiment analysis of the Sanskrit language is two-fold. First, to understand the rich literature in Sanskrit texts covering numerous principles in science and technology. Second, to develop a sentiment analysis approach for the languages for which sufficient labeled data is not available to train machine learning model also associating with the different customs and rituals existing since the Ancient era. It has been cited several times by different experts and had been suggested a method comprising models for machine translation, Translation evaluation, and sentiment analysis for the Sanskrit language. Vermillion is still in this modern era is the one of most famous and existing customs in Iin the Indian Societies , where AI and Sentiment   Analysis   concept   deal   them   at   large
 In our Ancient Indian Literature there are detailed descriptions of various Indian cultures and rituals as well as tradition   and with the help of Computer Science and engineering, we can explain all the facts where It will create new avenues for research in Sanskrit too, in the context of Sanskrit semantic and morphological analysis for better classification. According to an online published write up the IIT-R STSA dataset constructed in this work contains Sanskrit text along with its English translations and sentiment scores. It will hopefully inspire further research on sentiment analysis on Sanskrit texts.
The technique that the researchers are proposing has achieved 92.83% accuracy for sentiment classification in Sanskrit text. The sentiment analysis model used by the researchers comprises machine translation and a translation evaluation model. The data for the sentiment analysis was

taken from the Valmiki Ramayana website developed and maintained by the IIT Kanpur researchers.

The machine translation model is an Artificial Intelligence (AI) model trained on human-translated Sanskrit-English pairs and this can similarly work on the different level of humane cognitive phenomenon. Once trained, the model can translate unseen Sanskrit texts to their corresponding English translations thus making it easier to read, translate and understand the semantic meaning of the Sanskrit texts better

The researchers plan to carry out further research in the morphological properties of Sanskrit, using only root words with their respective suffixes and prefix for better classification, and to evaluate whether the morphological richness of Sanskrit is retained in its English translations. They also plan to obtain a model that discerns the context of words in multiple languages.

Result and Discussion: On the basis of the study as the role and impact of Sindoor in the life of a married woman, her dedication to a particular man as her husband, it is possible to develop platform where with the help different processes of coding, sentiment Analysis is possible and this cognitive psychology based software may be an important tool in the field of Medical Engineering. If we take an emergent example of film industry, there is very instability in the life a married couple as they have less faith in the Indian culture and its traditional social values and it is why social scientists always suggest different types of remedies for them who do not work at large in their confusion context. Some of the Characters of our Ancient Indian Literatures and sentiment based analysis may be a way for sufferer,

Conclusion: No science and engineering will be beyond the jurisdiction of social configuration, its customs and our Ancient Indian literatures .If customs are added with modern scientific research and findings, values and ethics social equilibrium becomes more coherent and sustainable. Though this study has taken more than more (around twenty years) of the Researcher, who is the author of this paper by taking vermillion as the sample discrete value of the complete spectrum of more than 79.8% population of Hindu in India and hindu as an ideology. If a woman always prays for the long life and good health of her husband at the time of using Sindoor on the middle line of her head then Artificial Intelligence pattern changes are recognized in the life of her husband and sentiment pattern may analyzed as per the concept Cognitive psychology very closed as that of existing facts in our Ancient Indian Literature.

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