

Role of Artificial Intelligence in Handling Emotions and Organizational Conflicts and Prediction of Job Satisfaction of Information Technology Employees

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Abstract: Background and Aim: Artificial Intelligence is the involvement of technology or computers to perform the process of human activities. Emotional Intelligence and conflicts are interrelated and both should have proper control over one another to have a better work performance among the employees. The study aims to identify the role of Artificial Intelligence in handling Emotions and organizational conflicts and predict the satisfaction level of employees in the Information Technology sector.

Methods: Descriptive research is the type of research adopted for the research study. The target sample of the study was collected from Information Technology employees who are working in different fields of the IT sector. The total sample of the study comprises 224 employees in companies from Chengalpattu district. Statistical techniques like the Structural Equation model using Amos and the prediction of Job satisfaction using MATLAB are also computed.

Results: The findings of the research results show that there is a cordial relationship between Artificial Intelligence, Emotions, and Organizational conflicts in the Workplace along with job satisfaction. The predicted results of job satisfaction are also depicted in the results.

Conclusion: Based on the study findings it was concluded that the individual's Emotions and organizational conflicts can be resolved and managed through Artificial Intelligence using the methods suggested by it. This will help the organization to make fruitful decisions.

Keywords: *Artificial Intelligence (AI), Emotional Intelligence (EI), Organizational Conflicts*

Introduction

Artificial Intelligence refers to the capacity of a computer or a robot under computer control to carry out operations that are typically associated with human intellectual processes, including reasoning. Artificial intelligence (AI) studies the intelligence of machines through which these machines replace or do the work of human beings without the intervention of humans.[1] Artificial Intelligence is a system that makes decisions to increase its chances of success. The study of ideas gives computers the ability to do actions that give the impression of intelligence. Some of the factors like Reasoning, Expertise, planning, studying, communicating, perceiving, and the capacity to move and manipulate objects are among the fundamental ideas of Artificial intelligence.[2]

Emotional Intelligence is the capability of individuals to identify their own emotions and the emotions of other individuals or co-workers. Emotional Intelligence is used for the level of competence in individual personal and interpersonal skills.[3] A wide range of subskills make up EI, such as the ability to identify and evaluate emotions in ourselves and others, monitor moods and emotions, and apply this information to inform our decisions and behaviors. It consists of motivation, optimism, adaptability, assertiveness, and impulse control.[4]

Conflict cannot be avoided if businesses utilize work teams because it is an unavoidable feature of these groups. Conflict is the result of actions. It is essential to human existence. Conflict arises wherever there is interaction. Conflict is the outward manifestation of animosity, prejudice, hostility, aggressiveness, competition, and miscommunication. It is also linked to circumstances where two competing organizations have contradictory interests. It can be characterized as an argument between two or more people or

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groups, with each party attempting to convince the other to agree with its point of view. [5]

Job satisfaction is a broad and complex term that can signify different things to different individuals. Motivation and job satisfaction are typically associated, yet it's unclear how the two relate to one another. Motivation and satisfaction are two different things. More than anything, job satisfaction is an attitude or an interior condition. It might, for instance, be connected to a subjective sense of accomplishment, whether it be qualitative or quantitative. [6] Natural language processing skills enable virtual assistants to comprehend and reply to client inquiries, facilitating interactive and conversational interactions. Thus, via smooth and effective interactions, firms can improve customer happiness, engagement, and loyalty.[7]

Literature Reviews

Artificial Intelligence

Humaid AI Naqbi et al., (2024) researched enhancing job productivity by using Artificial Intelligence. The study gives useful insights into Generative Artificial Intelligence (GAI) in enhancing the outputs and work productivity with a clear point on various industries like research, academics, technology, communication, government, agriculture, and business. The researchers have conducted a detailed analysis of GAI its applications, and projecting the future data. The main aspect of the study is to identify the various tools like chatbots, ChatGPT, and conversational agents for the evolution of GAI. The study results show that there is a huge trend in the GAI research which is expected to develop in the upcoming years. This enhanced the Generative Artificial Intelligence design and long-term planning in assessing the impacts of users across the world. [8]

Emotional Intelligence

Muzzamil Rehman (2024) studied how Artificial Intelligence is mediating Investment decisions by handling emotions through Emotional Intelligence. The study involves an in-depth relationship between EI and Artificial Intelligence in mediating the Decisions of Investment. The research studies how human emotional intelligence helps in making Investment decisions through Artificial Intelligence between minds and machines. The study reveals that Emotional Intelligence not only impacts Investment decisions directly but is also

influenced indirectly by Artificial Intelligence. The study results show that Artificial Intelligence impacts the investment decisions of individuals through emotional intelligence. Both AI and EI increasingly integrate with financial decision-making between the minds and machines for investments.[9]

Organizational Conflict

Ogwuche Gabriel Shaibu and Christian .O. Njoku (2024) studied the strategies of Conflicts in Organizations and Innovation for the performance of employees. The study aimed at identifying the concepts of conflict, various dimensions involved, sources, stages, and the role of conflict along with the strategies to manage such conflicts which affect the employee's performance. The major causes for such conflicts include poor management, communication gap, and competition which may have a direct negative impact on individuals as well as groups. This might even reduce the performance of the employees. The study concludes that to have proper control over organizational conflict, the environment plays a major role in increasing productivity and reducing conflicts. [10]

Job satisfaction

Benjamin Dreer (2024) investigated the well-being of teachers and their job satisfaction involving the emotions in workplace. The study highlights the correlation between well-being and job satisfaction. This helps in investigating the extent to which positive emotions, employee engagement, and achievements are related to job satisfaction. The study was analyzed with a total of 511 teachers from schools. The study results show that the wellbeing of the teachers is highly related to the emotions in the workplace and plays a huge role in the job satisfaction among the teachers which helps in their retention.[11]

Research Methodology

Research Methodology depicts the way through which the entire research study is carried out. This includes the type of research adopted, methods used for the study, statistical analysis used to find out the results, samples, design, etc. Without these components, one cannot proceed with his /her research.[12]

Research Gap

Based on the literature reviews, the research gap for the current study is found. The

earlier studies have not concentrated on predicting the job satisfaction of IT employees, and the involvement of Artificial Intelligence in managing and resolving emotions and conflicts.

Objectives of the study

The study consists of the following research objectives:

1. To identify the role of Artificial Intelligence in managing emotions and resolving conflicts
2. To predict the Job satisfaction of the Employees

Type of Research adopted

The researcher has adopted a Descriptive form of research for the current study.

Sampling Method and sample size.

The snowball sampling method is used to collect data from the Information Technology Employees who are working in various departments of the IT industry with a total sample size of 224 employees from companies in the Chengalpattu district.

Types of Data Collection

Figure 1 shows the Structural Equation model of AI, EI, Organizational Conflicts, and Job Satisfaction

The researcher has adopted primary sources as well as secondary sources for the current study. The primary source of information is collected using framed questionnaires and secondary data is collected using different websites, theses, and research articles.

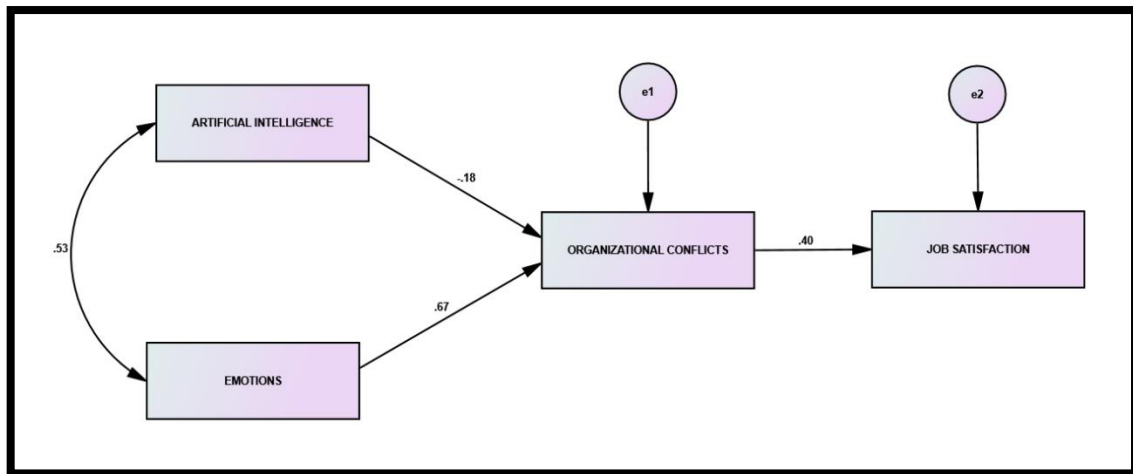
Statistical Analysis

The study results were identified using Structural Equation Modelling using SPSS AMOS and prediction analysis using MATLAB.

Structural Equation Model

The Structural Equation Models are hypotheses that describe the connections between latent variables and observed variables as well as the relationships between the two. Latent variables are those that are conceptually understood by humans but are not directly measurable. The current study aims to understand the relationship between Artificial Intelligence, Emotional Intelligence, Conflicts, and Job satisfaction.

Null Hypothesis: The Structural Equation Model does not have a perfect fit



Source: Computed data

Table 1 shows the Fitness of Model Measures

| Measures | Estimates | Thumb rule | Interpretation |
|----------|-----------|-------------------|----------------|
| CMIN | 1.729 | -- | -- |
| DF | 2 | -- | -- |
| CMIN/DF | 0.864 | 1 and 3 | *** |
| CFI | 1.000 | Greater than 0.95 | *** |

| | | | |
|--------|-------|-------------------|-----|
| SRMR | 0.022 | Less than 0.08 | *** |
| RMSEA | 0.000 | Less than 0.06 | *** |
| PClose | 0.595 | Greater than 0.05 | *** |

Source: Computed data

Table 2 Covariances

| | | | Estimate | S.E. | C.R. | P |
|-------------------------|------|----------|----------|-------|-------|-----|
| Artificial Intelligence | <--> | Emotions | 17.382 | 2.496 | 6.963 | *** |

Source: Computed data

Table 3 Weights of Regression

| | | | Estimate | S.E. | C.R. | P |
|------------------|------|-------------------------|----------|------|--------|------|
| Conflict | <--- | Artificial Intelligence | -.076 | .027 | -2.795 | .005 |
| Conflict | <--- | Emotions | .770 | .072 | 10.672 | *** |
| Job Satisfaction | <--- | Conflict | .290 | .045 | 6.475 | *** |

Source: Computed data

Table 4 Standardized Regression Weights

| | | | Estimate |
|------------------|------|-------------------------|----------|
| Conflict | <--- | Artificial Intelligence | -.176 |
| Conflict | <--- | Emotions | .673 |
| Job Satisfaction | <--- | Conflict | .398 |

Source: Computed data

Inference

Table 1 displays the model fit measures with its recommended threshold limits. From the table, all the model fit measures satisfy the recommended limits. The CMIN/DF value is 0.864 which is less than 5, the GFI value is 0.996 greater than 0.9, the AGFI value is 0.981 which is greater than 0.9, CFI value is 1.000 which is greater than 0.9, the value SRMR is 0.022 which is < 0.08 , the value of TLI is 1.004 which is $>$ than 0.9 and the value of RMSEA is 0.000 which is < 0.05 , and the value of P close is 0.595 which is > 0.05 and Hence, it can be concluded that the null hypothesis, is rejected. This shows that the SEM has a perfect fit with its variables.

Prediction Analysis

The method of utilizing data to project future results is known as predictive analytics. To identify patterns that might indicate future behavior, the procedure makes use of statistical models, machine learning, artificial intelligence, and data

analysis. Businesses may make extremely accurate predictions about patterns and behaviors that will emerge seconds, days, or years from now by utilizing both historical and present data. Here, the researcher has predicted the Job satisfaction of the employees using the past years' scores to predict the present and future scores by using MATLAB through Machine Learning and Deep Learning.[13]

ML and DL (Machine Learning / Deep Learning)

Machine learning is the investigation of creating statistical models and algorithms that allow computers to detect and make decisions without explicit programming. It entails teaching algorithms on big datasets to identify patterns and relationships and then applying patterns to forecast or decide what to do with fresh data.

On the other hand, deep learning is a part of machine learning that investigates in-depth patterns and relationships in data using multilayered neural networks. It has demonstrated success in a

range of tasks, including natural language processing, speech recognition, and computer vision, and is inspired by the structure and functions of the human brain.[14]

Prediction process

The research has collected the Job satisfaction scores of the employees from the year

2020 to 2023 and predicted the scores for the year 2024. These predictions are done using Artificial Intelligence by Machine Learning.

Predicted Job Satisfaction Score For The Year 2024

Table 5 shows the Predicted Job Satisfaction Scores based on the Past Scores

| Respondent | 2020 | 2021 | 2022 | 2023 | 2024 Predicted score | Respondent | 2020 | 2021 | 2022 | 2023 | 2024 Predicted score |
|------------|------|------|------|------|----------------------|------------|------|------|------|------|----------------------|
| 1 | 77 | 81 | 63 | 59 | 70.75 | 30 | 50 | 61 | 79 | 63 | 54.1667 |
| 2 | 74 | 49 | 55 | 70 | 71.2 | 31 | 45 | 73 | 57 | 77 | 69.6 |
| 3 | 81 | 69 | 63 | 47 | 60.7143 | 32 | 55 | 57 | 53 | 55 | 66.75 |
| 4 | 71 | 65 | 65 | 54 | 66.5 | 33 | 51 | 49 | 41 | 69 | 71.2 |
| 5 | 70 | 77 | 66 | 52 | 67.6667 | 34 | 59 | 60 | 72 | 60 | 78.5 |
| 6 | 53 | 64 | 69 | 66 | 65.5 | 35 | 65 | 59 | 56 | 61 | 75.875 |
| 7 | 64 | 67 | 67 | 76 | 49.5 | 36 | 72 | 72 | 79 | 71 | 50.375 |
| 8 | 52 | 64 | 66 | 58 | 45.8 | 37 | 71 | 81 | 49 | 72 | 70.75 |
| 9 | 61 | 77 | 70 | 69 | 68.75 | 38 | 61 | 60 | 76 | 77 | 60.3333 |
| 10 | 70 | 65 | 59 | 58 | 66.5 | 39 | 62 | 73 | 59 | 62 | 67.6667 |
| 11 | 67 | 54 | 52 | 68 | 71.2 | 40 | 79 | 67 | 65 | 63 | 49.5 |
| 12 | 73 | 57 | 72 | 69 | 61.2857 | 41 | 57 | 78 | 50 | 77 | 55.6 |
| 13 | 71 | 61 | 63 | 80 | 78.2 | 42 | 53 | 72 | 71 | 67 | 52.25 |
| 14 | 78 | 55 | 58 | 76 | 56.75 | 43 | 41 | 76 | 74 | 78 | 69.6 |
| 15 | 30 | 82 | 47 | 57 | 70.75 | 44 | 72 | 47 | 70 | 67 | 75.5 |
| 16 | 82 | 64 | 61 | 54 | 45.8 | 45 | 56 | 59 | 78 | 72 | 54.1667 |
| 17 | 54 | 68 | 39 | 54 | 76.5 | 46 | 79 | 60 | 70 | 53 | 69.2 |
| 18 | 61 | 54 | 56 | 54 | 78.5 | 47 | 49 | 73 | 75 | 76 | 60.5556 |
| 19 | 51 | 74 | 42 | 45 | 60.7143 | 48 | 76 | 77 | 58 | 65 | 59.8 |
| 20 | 79 | 52 | 50 | 33 | 75.875 | 49 | 59 | 74 | 43 | 69 | 68.75 |
| 21 | 64 | 76 | 45 | 79 | 60.5556 | 50 | 65 | 81 | 60 | 69 | 70.75 |
| 22 | 53 | 43 | 55 | 59 | 66.2857 | 51 | 50 | 71 | 53 | 75 | 60.5556 |
| 23 | 57 | 51 | 51 | 77 | 65.1429 | 52 | 71 | 70 | 72 | 73 | 62.7143 |
| 24 | 43 | 64 | 59 | 55 | 45.8 | 53 | 74 | 53 | 76 | 79 | 61.2857 |
| 25 | 34 | 62 | 65 | 80 | 60.3333 | 54 | 70 | 64 | 73 | 77 | 65.5 |
| 26 | 37 | 71 | 72 | 62 | 61 | 55 | 78 | 52 | 83 | 64 | 54.1667 |

| | | | | | | | | | | | |
|----|----|----|----|----|---------|-----|----|----|----|----|---------|
| 27 | 34 | 46 | 71 | 74 | 69.4 | 56 | 70 | 61 | 83 | 63 | 54.1667 |
| 28 | 52 | 76 | 61 | 63 | 76.75 | 57 | 75 | 70 | 77 | 47 | 50.8 |
| 29 | 42 | 62 | 62 | 66 | 78.2 | 58 | 58 | 67 | 37 | 57 | 76.5 |
| 59 | 43 | 73 | 70 | 66 | 52.25 | 125 | 79 | 66 | 74 | 58 | 75.6667 |
| 60 | 60 | 71 | 59 | 59 | 76.75 | 126 | 77 | 76 | 58 | 81 | 62.7143 |
| 61 | 53 | 78 | 70 | 63 | 61 | 127 | 64 | 58 | 72 | 57 | 69.2 |
| 62 | 72 | 30 | 47 | 54 | 79.75 | 128 | 63 | 69 | 77 | 74 | 75.6667 |
| 63 | 76 | 82 | 54 | 48 | 70.75 | 129 | 47 | 58 | 77 | 60 | 66.75 |
| 64 | 73 | 54 | 52 | 61 | 75.875 | 130 | 57 | 68 | 83 | 81 | 75.6667 |
| 65 | 52 | 61 | 66 | 38 | 66.75 | 131 | 66 | 69 | 59 | 49 | 66.5 |
| 66 | 68 | 51 | 76 | 71 | 75.5 | 132 | 59 | 80 | 69 | 69 | 68.75 |
| 67 | 66 | 79 | 58 | 50 | 67.6667 | 133 | 63 | 76 | 59 | 65 | 67.6667 |
| 68 | 83 | 64 | 69 | 78 | 65.5 | 134 | 54 | 57 | 68 | 77 | 60.3333 |
| 69 | 83 | 53 | 58 | 77 | 56.75 | 135 | 48 | 54 | 56 | 64 | 56.75 |
| 70 | 77 | 57 | 68 | 79 | 61.2857 | 136 | 61 | 54 | 73 | 67 | 69.4 |
| 71 | 37 | 43 | 69 | 81 | 60.3333 | 137 | 38 | 54 | 57 | 64 | 56.75 |
| 72 | 70 | 34 | 80 | 59 | 66.2857 | 138 | 71 | 45 | 49 | 77 | 65.1429 |
| 73 | 59 | 37 | 76 | 64 | 69.4 | 139 | 50 | 33 | 60 | 65 | 56.75 |
| 74 | 70 | 34 | 57 | 61 | 66.2857 | 140 | 78 | 79 | 59 | 54 | 59.8 |
| 75 | 47 | 52 | 54 | 74 | 65.1429 | 141 | 77 | 59 | 72 | 57 | 69.2 |
| 76 | 54 | 42 | 54 | 72 | 65.1429 | 142 | 79 | 77 | 81 | 61 | 50.375 |
| 77 | 52 | 50 | 54 | 79 | 65.1429 | 143 | 81 | 55 | 60 | 55 | 75.875 |
| 78 | 66 | 45 | 45 | 85 | 65.1429 | 144 | 59 | 80 | 73 | 82 | 64.3333 |
| 79 | 76 | 55 | 33 | 54 | 79.75 | 145 | 64 | 62 | 67 | 64 | 75.5 |
| 80 | 58 | 51 | 79 | 54 | 78.5 | 146 | 61 | 74 | 78 | 68 | 68.75 |
| 81 | 69 | 59 | 59 | 86 | 56.75 | 147 | 74 | 63 | 72 | 54 | 65.5 |
| 82 | 58 | 65 | 77 | 74 | 75.6667 | 148 | 72 | 66 | 76 | 74 | 75.6667 |
| 83 | 68 | 72 | 55 | 83 | 60.5556 | 149 | 79 | 63 | 47 | 52 | 56.6 |
| 84 | 69 | 71 | 80 | 63 | 61 | 150 | 85 | 77 | 59 | 76 | 62.7143 |
| 85 | 80 | 61 | 62 | 65 | 61.2857 | 151 | 54 | 55 | 60 | 43 | 66.75 |
| 86 | 76 | 62 | 74 | 54 | 69.2 | 152 | 54 | 69 | 73 | 51 | 75.6667 |
| 87 | 57 | 79 | 63 | 89 | 64.3333 | 153 | 86 | 60 | 77 | 64 | 54.1667 |
| 88 | 54 | 57 | 66 | 68 | 69.4 | 154 | 74 | 61 | 74 | 62 | 61.2857 |
| 89 | 54 | 53 | 63 | 64 | 78.2 | 155 | 83 | 71 | 81 | 71 | 50.375 |
| 90 | 54 | 41 | 77 | 67 | 54.1667 | 156 | 63 | 72 | 71 | 46 | 60.7143 |

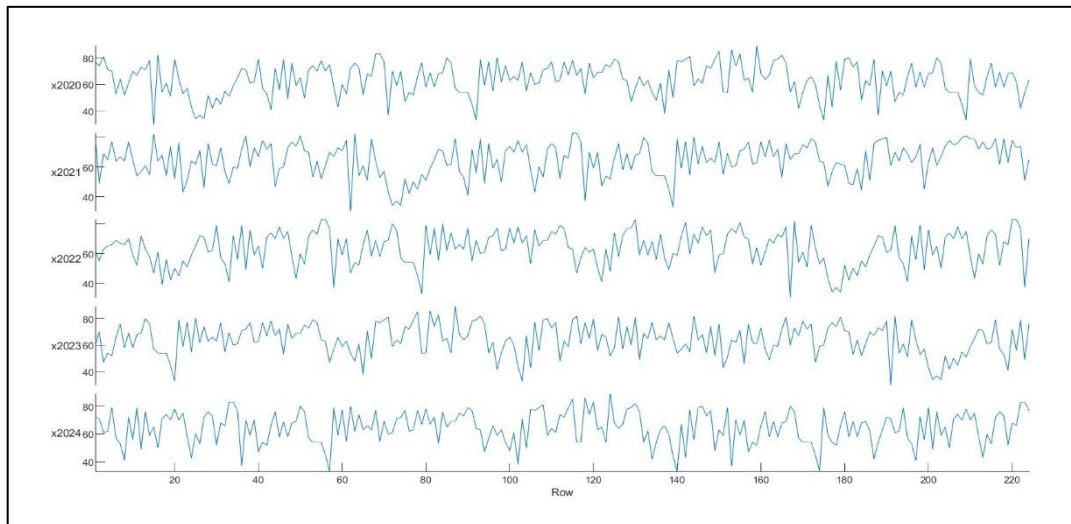
| | | | | | | | | | | | |
|-----|----|----|----|----|---------|-----|----|----|----|----|---------|
| 91 | 45 | 72 | 55 | 78 | 69.6 | 157 | 65 | 77 | 70 | 76 | 55.6 |
| 92 | 33 | 56 | 69 | 79 | 60.3333 | 158 | 54 | 62 | 53 | 62 | 61.6 |
| 93 | 79 | 79 | 60 | 82 | 62.7143 | 159 | 89 | 63 | 64 | 61 | 56.6 |
| 94 | 59 | 49 | 61 | 76 | 56.75 | 160 | 68 | 77 | 52 | 73 | 55.6 |
| 95 | 77 | 76 | 71 | 54 | 50.375 | 161 | 64 | 67 | 61 | 57 | 76.5 |
| 96 | 55 | 59 | 72 | 62 | 69.4 | 162 | 67 | 78 | 70 | 49 | 67.8571 |
| 97 | 80 | 65 | 77 | 42 | 50.8 | 163 | 78 | 67 | 67 | 60 | 66.5 |
| 98 | 62 | 50 | 62 | 54 | 66.2857 | 164 | 79 | 72 | 73 | 59 | 50.375 |
| 99 | 74 | 71 | 63 | 63 | 50.375 | 165 | 82 | 53 | 71 | 72 | 61.2857 |
| 100 | 63 | 74 | 77 | 66 | 52.25 | 166 | 76 | 76 | 78 | 81 | 62.7143 |
| 101 | 66 | 70 | 67 | 60 | 61 | 167 | 54 | 65 | 30 | 60 | 76.5 |
| 102 | 63 | 78 | 78 | 44 | 50.8 | 168 | 62 | 69 | 82 | 73 | 75.6667 |
| 103 | 77 | 70 | 67 | 33 | 60.7143 | 169 | 42 | 69 | 54 | 67 | 49.5 |
| 104 | 55 | 75 | 72 | 67 | 52.25 | 170 | 54 | 75 | 61 | 78 | 60.5556 |
| 105 | 69 | 58 | 53 | 43 | 75.875 | 171 | 63 | 73 | 51 | 72 | 60.5556 |
| 106 | 60 | 43 | 76 | 77 | 60.3333 | 172 | 66 | 79 | 79 | 76 | 64.3333 |
| 107 | 61 | 60 | 65 | 56 | 78.5 | 173 | 60 | 77 | 64 | 47 | 60.7143 |
| 108 | 71 | 53 | 69 | 79 | 75.5 | 174 | 44 | 64 | 53 | 59 | 45.8 |
| 109 | 72 | 72 | 69 | 80 | 62.7143 | 175 | 33 | 63 | 57 | 60 | 56.6 |
| 110 | 77 | 76 | 75 | 73 | 62.7143 | 176 | 67 | 47 | 43 | 73 | 65.1429 |
| 111 | 62 | 73 | 73 | 77 | 60.5556 | 177 | 43 | 57 | 34 | 77 | 61.6 |
| 112 | 63 | 52 | 79 | 48 | 69.2 | 178 | 77 | 63 | 37 | 74 | 56.6 |
| 113 | 77 | 68 | 77 | 63 | 75.6667 | 179 | 56 | 62 | 34 | 81 | 61.6 |
| 114 | 67 | 66 | 64 | 59 | 66.5 | 180 | 79 | 61 | 52 | 71 | 61.6 |
| 115 | 78 | 83 | 63 | 79 | 70.75 | 181 | 80 | 49 | 42 | 70 | 71.2 |
| 116 | 67 | 83 | 47 | 82 | 70.75 | 182 | 73 | 48 | 50 | 53 | 66.2857 |
| 117 | 72 | 77 | 57 | 61 | 59.8 | 183 | 77 | 59 | 45 | 64 | 61.6 |
| 118 | 53 | 37 | 64 | 77 | 78.2 | 184 | 48 | 44 | 55 | 52 | 66.2857 |
| 119 | 76 | 70 | 61 | 65 | 59.8 | 185 | 63 | 71 | 51 | 61 | 67.6667 |
| 120 | 65 | 59 | 63 | 80 | 78.2 | 186 | 59 | 51 | 59 | 70 | 56.75 |
| 121 | 69 | 70 | 50 | 56 | 67.6667 | 187 | 79 | 76 | 65 | 67 | 50.375 |
| 122 | 69 | 47 | 41 | 68 | 71.2 | 188 | 37 | 78 | 72 | 73 | 69.6 |
| 123 | 75 | 54 | 63 | 66 | 61.2857 | 189 | 70 | 79 | 71 | 71 | 64.3333 |
| 124 | 73 | 52 | 48 | 52 | 79.75 | 190 | 59 | 80 | 61 | 78 | 64.3333 |
| 191 | 70 | 61 | 62 | 30 | 75.875 | 209 | 33 | 81 | 75 | 51 | 70.75 |

| | | | | | | | | | | | |
|-----|----|----|----|----|---------|-----|----|----|----|----|---------|
| 192 | 47 | 70 | 79 | 82 | 60.5556 | 210 | 79 | 79 | 58 | 59 | 59.8 |
| 193 | 54 | 64 | 57 | 54 | 45.8 | 211 | 59 | 79 | 43 | 65 | 76.75 |
| 194 | 52 | 73 | 53 | 61 | 76.75 | 212 | 54 | 72 | 60 | 72 | 60.5556 |
| 195 | 66 | 69 | 41 | 51 | 66.5 | 213 | 52 | 77 | 53 | 71 | 55.6 |
| 196 | 76 | 63 | 72 | 79 | 65.5 | 214 | 66 | 72 | 72 | 61 | 61 |
| 197 | 58 | 67 | 56 | 64 | 49.5 | 215 | 76 | 73 | 76 | 62 | 50.375 |
| 198 | 69 | 75 | 79 | 53 | 67.8571 | 216 | 58 | 79 | 73 | 79 | 64.3333 |
| 199 | 58 | 45 | 49 | 57 | 66.2857 | 217 | 69 | 62 | 52 | 57 | 75.875 |
| 200 | 68 | 63 | 76 | 43 | 65.5 | 218 | 58 | 79 | 68 | 53 | 67.8571 |
| 201 | 69 | 73 | 59 | 34 | 60.7143 | 219 | 68 | 63 | 66 | 41 | 56.6 |
| 202 | 80 | 61 | 65 | 37 | 75.875 | 220 | 69 | 78 | 83 | 72 | 55.6 |
| 203 | 76 | 67 | 50 | 34 | 60.7143 | 221 | 62 | 73 | 83 | 56 | 67.8571 |
| 204 | 57 | 74 | 71 | 52 | 67.8571 | 222 | 42 | 74 | 77 | 79 | 69.6 |
| 205 | 54 | 78 | 74 | 42 | 50.8 | 223 | 54 | 51 | 37 | 49 | 79.75 |
| 206 | 54 | 75 | 70 | 50 | 67.8571 | 224 | 63 | 65 | 70 | 76 | 75.6667 |
| 207 | 54 | 76 | 78 | 45 | 50.8 | | | | | | |
| 208 | 45 | 80 | 70 | 55 | 67.8571 | | | | | | |

Source: Computed Data

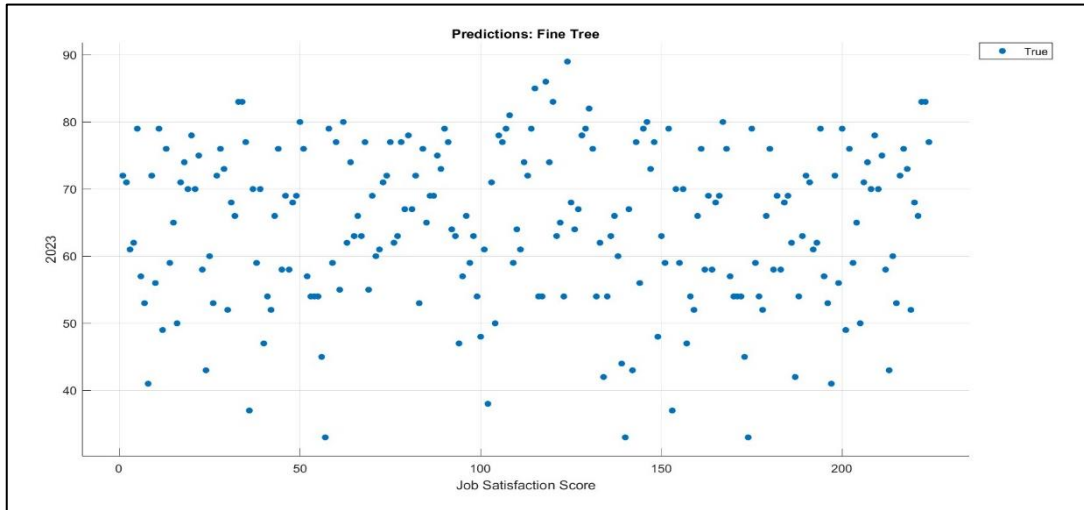
Prediction Charts

Chart 1 shows the Job satisfaction score from 2020 to 2024



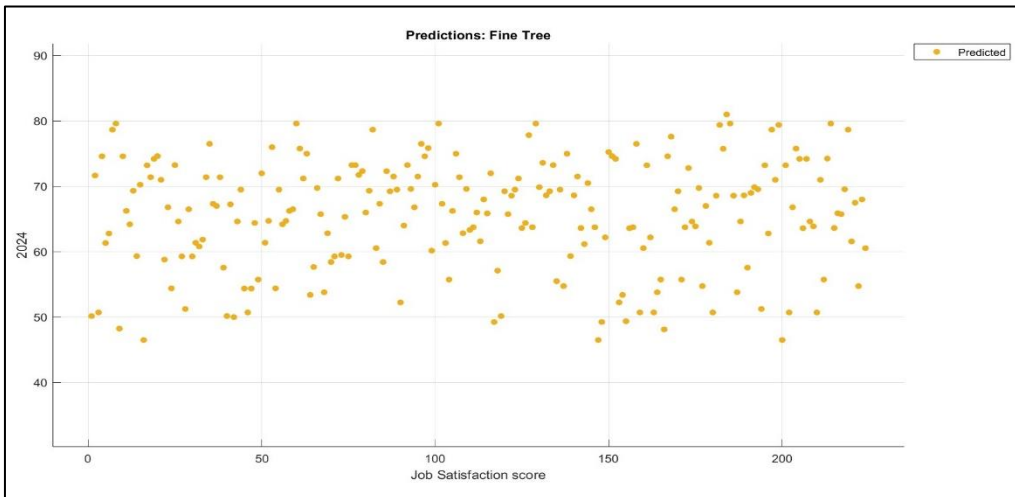
Source: Computed Data

Chart 2 Shows the Job satisfaction Scores for the Year 2023



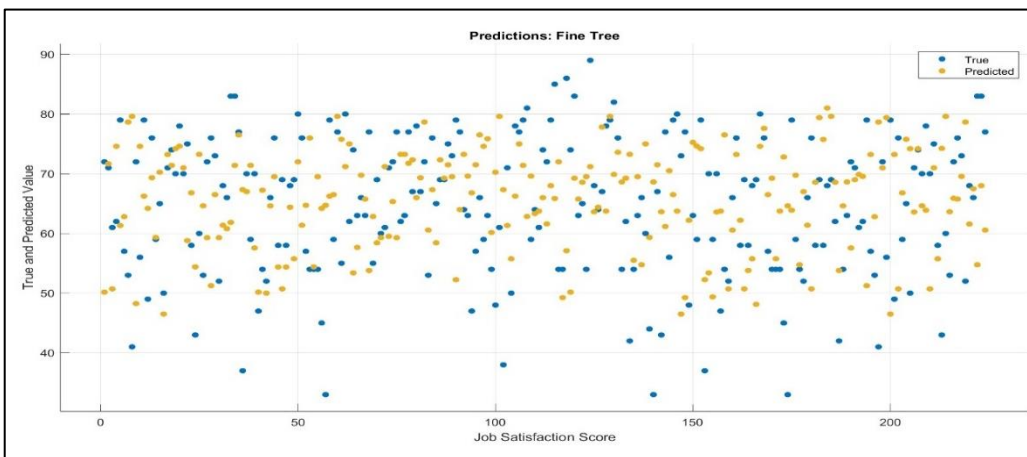
Source: Computed Data

Chart 3 Shows the Job Satisfaction Score (Predicted Scores for the year 2024)



Source: Computed Data

Chart 4 Shows the Comparison of Job Satisfaction Scores for the year 2023 and 2024(Predicted Year)



Source: Computed Data

Findings And Discussion

From the research results it was found that Artificial Intelligence helps in managing emotions and resolves the organizational conflicts which arise in the organization. Artificial Intelligence helps in identifying the different emotions of every IT employee individually and suggests how to manage their emotions. On the other hand, Organizational Conflicts can be reduced through some ways like Early identification of Conflicts, Data-driven analysis of conflicts, Conflict resolution strategies in a personalized manner, Sentimental Analysis for insights of Emotions, Artificial Intelligence training programs, Learning from Feedback, Balancing Artificial Intelligence along with Human judgments. All these are some of the strategies which are suggested by Artificial Intelligence in managing emotions as well as resolving organizational conflicts. The output of the Structural Equation model displays that the model has a perfect fit which shows that there is a relationship between the variables mentioned in the study. The prediction analysis results show the predicted values based on the past job satisfaction score data from the year 2020 to 2023. These past years' data were used to predict the current year of the future year data that is for the year 2024. The predicted scores show a minute difference between the past data and the current data along with the predicted future data.

Conclusion

Artificial Intelligence helps in managing the Emotions of Individuals in the Information Technology Industry and resolves the conflicts that emerge in companies frequently. AI provides several insights into managing these two variables and helps in predicting the future of the relevant variable. The Employee Job satisfaction scores of all employees were identified predicted or forecasted using the relevant past data. Hence, every aspect of the employees can be predicted using such tools soon. To conclude, Artificial Intelligence assists in managing emotions and Conflict resolution. Artificial Intelligence helps by giving warning signals of conflict, and planning counseling sessions for employees if required.

Recommendations

Some of the recommendations which can be considered are:-

1. Artificial Intelligence assists the business partner Human Resource teams in scheduling Ice-breaking events.
2. Early Conflict Identification, Personalized conflict resolution strategies, AI-driven Training Programs, and sentimental analysis are some of the strategies that can be adopted with the aid of Artificial Intelligence.
3. The Job satisfaction of the employees can be predicted with the help of Artificial Intelligence to have a better understanding of their employees and make fruitful decisions.

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Competing Interests

The authors declare that they have no financial or personal relationships that may have inappropriately influenced them in writing this article.

Ethical Considerations

This article followed all ethical standards for research without direct contact with human or animal subjects.

Authors Contributions

S is the corresponding author for this article and A has supervised this article.

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Data Availability

The data that support the findings of this study are available from the author upon reasonable request.

Disclaimer

The views and opinions expressed in this article are those of the authors and do not necessarily reflect the official policy or position of any affiliated agency of the authors.

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