

Intelligent Data Synchronization Strategies for Geo-Distributed Systems

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ABSTRACT

Employee welfare facilities are essential components of human resource management that significantly influence employee well-being, motivation, and job satisfaction. In educational institutions, the provision of adequate welfare facilities is particularly important for creating a supportive work environment and enhancing institutional effectiveness. The present study examines employee welfare facilities and their impact on job satisfaction among employees in educational institutions. Specifically, the study evaluates six dimensions of welfare facilities, namely transport facilities, canteen facilities, parking facilities, safety and security, basic amenities, and grievance redressal mechanisms. The study adopted a quantitative and empirical research design. Primary data were collected from 199 teaching and non-teaching staff members using a structured questionnaire and analyzed using descriptive and inferential statistical techniques. The study employed the Employee Welfare Index (EWI), mean ranking analysis, gap analysis, correlation analysis, multiple regression analysis, and a Welfare Strategic Matrix to benchmark welfare facilities and identify critical welfare drivers of job satisfaction. The findings reveal that employees generally perceive the welfare facilities provided by educational institutions positively, with an overall Employee Welfare Index indicating a good level of welfare provision. Safety and Security emerged as the most satisfactory and influential welfare dimension, followed by Basic Amenities and Grievance Redressal Mechanisms. The gap analysis identified Canteen Facilities and Transport Facilities as areas requiring improvement. Correlation and regression analyses confirmed that employee welfare facilities significantly and positively influence job satisfaction, with Safety and Security emerging as the strongest predictor of job satisfaction. The study concludes that employee welfare facilities are strategic determinants of employee satisfaction and institutional effectiveness. The findings provide valuable insights for educational administrators in prioritizing welfare interventions and developing employee-centric welfare policies that promote employee well-being, satisfaction, and long-term institutional sustainability.

KEYWORDS

Employee Welfare Facilities, Job Satisfaction, Educational Institutions, Employee Welfare Index, Welfare Strategic Matrix, Employee Well-Being.

1. INTRODUCTION

Human resources are valuable assets of educational institutions, and their well-being and satisfaction significantly influence institutional effectiveness. In today's dynamic educational environment, institutions face increasing academic, administrative, and technological demands, making employee welfare an essential aspect of human resource management.

Employee welfare facilities comprise various services and amenities provided to enhance employees' physical, psychological, and social well-being. These facilities include transport services, canteen facilities, parking arrangements, safety and security measures, basic amenities, and grievance redressal mechanisms. Such welfare provisions create a supportive work environment, improve employees' quality of work life, and foster positive organizational attitudes.

In educational institutions, both teaching and non-teaching staff play vital roles in ensuring academic and administrative excellence. Adequate welfare facilities help employees perform their responsibilities effectively by reducing workplace inconveniences and promoting comfort and well-being. Theoretical perspectives such as Maslow's Need Hierarchy Theory, Herzberg's Two-Factor Theory, and Social Exchange Theory suggest that employee welfare is fundamental to enhancing motivation, satisfaction, and positive work behaviour.

Despite the growing recognition of employee welfare, the adequacy and effectiveness of welfare facilities often vary across institutions, resulting in gaps between employees' expectations and actual provisions. Understanding these welfare gaps and their influence on job satisfaction is essential for developing employee-centric policies and improving institutional effectiveness.

Against this backdrop, the present study examines employee welfare facilities and their impact on job satisfaction in educational institutions by assessing the status of welfare provisions, identifying welfare gaps, and determining the critical welfare dimensions that influence employee satisfaction and institutional effectiveness.

2. REVIEW OF LITERATURE

Employee welfare facilities have become an essential component of human resource management, as employee well-being significantly influences satisfaction, commitment, and organizational effectiveness. Welfare measures such as transportation, safety provisions, basic amenities, and grievance redressal mechanisms create supportive work environments and enhance employees' quality of work life.

Maslow (1943), through the Need Hierarchy Theory, emphasized that employees' physiological and safety needs must be fulfilled to achieve higher levels of motivation and satisfaction. Similarly, Herzberg (1968) identified working conditions and welfare provisions as hygiene factors that prevent dissatisfaction and improve employees' perceptions of their organizations.

Armstrong (2021) observed that employee welfare initiatives improve quality of work life and contribute to higher levels of satisfaction, motivation, and retention. Likewise, Dessler (2020) argued that employee-friendly welfare policies reduce workplace stress, improve morale, and foster positive work attitudes.

Robbins and Judge (2022) noted that employees' perceptions of organizational support significantly influence job satisfaction and work behaviour. In the educational context, Spector (1997) emphasized that supportive working conditions and adequate facilities play a crucial role in enhancing employee satisfaction and commitment.

In the Indian context, Chandrasekar and Natarajan (2021) found that employee welfare initiatives positively influence employee well-being and satisfaction levels. Similarly, Chandrasekar (2024) reported that supportive and employee-centric work environments significantly improve job satisfaction and productivity.

The existing literature therefore suggests that employee welfare facilities are important determinants of employee well-being and job satisfaction. However, empirical studies examining welfare dimensions such as transport facilities, canteen facilities, parking facilities, safety and security measures, basic amenities, and grievance redressal mechanisms in educational institutions remain limited, particularly in the Indian context. Furthermore, studies adopting a diagnostic approach to benchmark welfare facilities and identify critical welfare drivers of job satisfaction are scarce. Therefore, the present study seeks to bridge this gap by examining employee welfare facilities and their impact on job satisfaction in educational institutions.

3. PROBLEM STATEMENT

Educational institutions are increasingly functioning in dynamic environments characterized by growing academic responsibilities, administrative demands, technological advancements, and quality assurance requirements. In this context, employee well-being and satisfaction have become critical determinants of institutional effectiveness and sustainability. Employee welfare facilities constitute an essential component of human resource management, as they directly influence employees' comfort, convenience, safety, and overall quality of work life.

Welfare facilities such as transport services, canteen facilities, parking arrangements, safety and security measures, basic amenities, and grievance redressal mechanisms contribute to creating a supportive and employee-friendly work environment. While adequate welfare provisions enhance employees' satisfaction and organizational commitment, inadequate facilities may result in dissatisfaction, reduced morale, and negative perceptions toward the institution.

Although educational institutions increasingly recognize the importance of employee welfare, the adequacy and effectiveness of welfare facilities often vary across institutions, creating gaps between employees' expectations and actual welfare provisions. Despite the significance of employee

welfare, empirical studies examining welfare facilities and their impact on job satisfaction in educational institutions remain limited, particularly in the Indian context. Therefore, the present study seeks to assess employee welfare facilities, identify welfare gaps, and examine their impact on job satisfaction among employees in educational institutions.

4. RESEARCH GAP

Previous studies have established that employee welfare facilities significantly contribute to employee well-being, motivation, and job satisfaction. However, most existing research has primarily concentrated on industrial, manufacturing, healthcare, and corporate sectors, with relatively limited attention given to educational institutions. The unique work environment of educational institutions, characterized by academic responsibilities and administrative functions, necessitates a separate examination of employee welfare practices and their influence on job satisfaction.

Furthermore, earlier studies have generally focused on specific aspects of employee welfare, such as compensation, work environment, or occupational health, rather than comprehensively examining welfare dimensions including transport facilities, canteen facilities, parking facilities, safety and security measures, basic amenities, and grievance redressal mechanisms within a single framework.

In the Indian context, empirical evidence regarding the adequacy of employee welfare facilities and their impact on job satisfaction among teaching and non-teaching staff remains inadequate. Moreover, studies adopting a diagnostic and prioritization approach to assess welfare status, identify welfare gaps, and determine critical welfare dimensions influencing job satisfaction are scarce.

Therefore, the present study seeks to bridge this gap by comprehensively examining employee welfare facilities and their impact on job satisfaction in educational institutions and by proposing a diagnostic framework for benchmarking welfare provisions and prioritizing welfare interventions that enhance employee satisfaction and institutional effectiveness.

5. OBJECTIVES OF THE STUDY

1. To assess employees' perceptions regarding the availability and adequacy of welfare facilities in educational institutions.
2. To evaluate and rank employee welfare facilities, namely transport facilities, canteen facilities, parking facilities, safety and security measures, basic amenities, and grievance redressal mechanisms.
3. To identify the gaps between employees' expectations and their perceptions of existing welfare facilities.
4. To examine the relationship between employee welfare facilities and job satisfaction among employees in educational institutions.

5. To determine the impact of employee welfare facilities on job satisfaction and propose strategic welfare interventions for enhancing employee satisfaction and institutional effectiveness.

5.1. Phase I: Welfare Profile Assessment

The first phase of the study focuses on assessing the current status and adequacy of employee welfare facilities provided in educational institutions. This phase aims to understand employees' perceptions regarding the availability and effectiveness of various welfare measures and to identify the overall welfare profile of the institution.

5.1.1. Dimensions of Employee Welfare Facilities

The welfare profile assessment comprises the following dimensions:

- Transport Facilities
- Canteen Facilities
- Parking Facilities
- Safety and Security
- Basic Amenities
- Grievance Redressal Mechanisms

5.1.2. Method of Assessment

Employees' perceptions regarding each welfare dimension are measured using a five-point Likert scale ranging from:

- 1 = Strongly Disagree
- 2 = Disagree
- 3 = Neutral
- 4 = Agree
- 5 = Strongly Agree

5.1.3. Statistical Tools Used

- Mean
- Standard Deviation
- Employee Welfare Index (EWI)

5.1.4. Employee Welfare Index (EWI)

The overall welfare status is measured using the Employee Welfare Index (EWI), which is computed as:

$$EWI = \Sigma \text{ Mean Scores of Welfare Dimensions} / \text{Number of Welfare Dimensions}$$

Table 1: Interpretation of Employee Welfare Index

Mean Score Range	Welfare Status
4.21 – 5.00	Excellent
3.41 – 4.20	Good

2.61 – 3.40	Moderate
1.81 – 2.60	Poor
1.00 – 1.80	Very Poor

Table 2: Welfare Profile Assessment of Employee Welfare Facilities

Employee Welfare Facilities	Mean	Standard Deviation	Welfare Status
Transport Facilities	3.88	0.81	Good
Canteen Facilities	3.61	0.92	Good
Parking Facilities	3.74	0.86	Good
Safety and Security	4.18	0.68	Good
Basic Amenities	4.05	0.72	Good
Grievance Redressal	3.96	0.77	Good
Overall Employee Welfare Index (EWI)	3.9	0.79	Good

The welfare profile assessment provides a comprehensive overview of employees' perceptions regarding the adequacy of welfare facilities in educational institutions. The mean scores and Employee Welfare Index facilitate the classification of welfare provisions into excellent, good, moderate, poor, or very poor categories and establish the baseline for subsequent phases of benchmarking, gap analysis, and identification of critical welfare drivers influencing job satisfaction.

5.2. Phase II: Welfare Satisfaction Benchmarking

The second phase of the study benchmarks employee welfare facilities by evaluating employees' satisfaction levels and identifying the gaps between their expectations and the existing welfare provisions. This phase helps identify the strengths and deficiencies of welfare facilities and prioritizes areas requiring managerial intervention.

Table 3: Mean Ranking of Employee Welfare Facilities

Employee Welfare Facilities	Mean Score	Rank
Safety and Security	4.18	I
Basic Amenities	4.05	II
Grievance Redressal	3.96	III
Transport Facilities	3.88	IV
Parking Facilities	3.74	V
Canteen Facilities	3.61	VI

Source: Computed.

The mean ranking analysis indicates that Safety and Security (Mean = 4.18) is perceived as the most satisfactory welfare facility by employees and therefore occupies the first rank. This finding suggests that educational institutions provide a relatively secure and safe working environment for employees. Basic Amenities (Mean = 4.05) and Grievance Redressal Mechanisms (Mean = 3.96) also receive favourable perceptions, occupying the second and third ranks, respectively.

On the other hand, Transport Facilities (Mean = 3.88) and Parking Facilities (Mean = 3.74) receive moderate satisfaction levels. Canteen Facilities record the lowest mean score (Mean = 3.61), indicating comparatively lower employee satisfaction and the need for improvement in the quality and adequacy of canteen services.

Table 4: Gap Analysis of Employee Welfare Facilities

Employee Welfare Facilities	Expected Mean	Perceived Mean	Gap Score	Benchmark Category
Transport Facilities	4.4	3.88	0.52	Needs Improvement
Canteen Facilities	4.35	3.61	0.74	Needs Improvement
Parking Facilities	4.2	3.74	0.46	Satisfactory
Safety and Security	4.45	4.18	0.27	Satisfactory
Basic Amenities	4.38	4.05	0.33	Satisfactory
Grievance Redressal	4.32	3.96	0.36	Satisfactory

Source: Computed.

The gap analysis reveals variations between employees' expectations and perceptions of welfare facilities. Canteen Facilities exhibit the highest gap score (0.74), indicating that employees' expectations are not fully met and that improvements in food quality, hygiene, and service efficiency are required. Transport Facilities also record a relatively higher gap score (0.52), suggesting the need for enhanced transportation support and accessibility.

Conversely, Safety and Security demonstrate the smallest gap score (0.27), indicating that existing facilities largely meet employees' expectations. Similarly, Basic Amenities, Parking Facilities, and Grievance Redressal Mechanisms record moderate gap scores and are classified as satisfactory.

Overall, the findings indicate that while educational institutions generally provide satisfactory welfare facilities, specific areas such as canteen and transport facilities require immediate managerial attention. Addressing these welfare gaps can significantly enhance employees' perceptions of organizational support and contribute to higher levels of job satisfaction and institutional effectiveness.

5.3. Phase III: Welfare Drivers of Job Satisfaction

The third phase of the study focuses on identifying the employee welfare facilities that significantly contribute to job satisfaction in educational institutions. While the previous phases assessed the status of welfare facilities and identified welfare gaps, this phase determines which welfare dimensions act as critical drivers of employees' job satisfaction.

The analysis was performed using Correlation Analysis and Multiple Regression Analysis. Correlation analysis examines the strength and direction of the relationship between employee welfare facilities and job satisfaction, whereas multiple regression analysis determines the extent to which each welfare facility predicts employees' job satisfaction.

Table 5: Correlation between Employee Welfare Facilities and Job Satisfaction

Employee Welfare Facilities	Correlation Coefficient (r)	Significance
Transport Facilities	0.548**	Significant
Canteen Facilities	0.472**	Significant
Parking Facilities	0.512**	Significant
Safety and Security	0.689**	Significant
Basic Amenities	0.651**	Significant
Grievance Redressal	0.624**	Significant

Note: $p < 0.01$

Source: Computed.

The correlation analysis reveals significant positive relationships between all employee welfare facilities and job satisfaction. Among the welfare dimensions, Safety and Security ($r = 0.689$) exhibits the strongest positive relationship with job satisfaction, followed by Basic Amenities ($r = 0.651$) and Grievance Redressal Mechanisms ($r = 0.624$). The findings suggest that employees who perceive better welfare facilities tend to experience higher levels of job satisfaction.

Table 6: Multiple Regression Analysis: Influence of Employee Welfare Facilities on Job Satisfaction

Employee Welfare Facilities	Beta Coefficient (β)	t-value	Sig.
Transport Facilities	0.163	2.854	0.005
Canteen Facilities	0.118	2.176	0.031
Parking Facilities	0.142	2.461	0.015
Safety and Security	0.326	5.287	0
Basic Amenities	0.274	4.418	0
Grievance Redressal	0.238	3.856	0

Dependent Variable: Job Satisfaction

Table 7: Model Summary

Statistics	Value
R	0.781
R ²	0.61
Adjusted R ²	0.598
B NVF-value	50.128
Significance	0

Source: Computed.

The regression model is statistically significant ($F = 50.128$, $p < 0.001$) and explains 61.0 percent of the variation in job satisfaction ($R^2 = 0.610$). The findings indicate that employee welfare facilities are significant predictors of job satisfaction among employees in educational institutions.

Among the welfare dimensions, Safety and Security emerges as the most influential predictor of job satisfaction ($\beta = 0.326$), followed by Basic Amenities ($\beta = 0.274$) and Grievance Redressal Mechanisms ($\beta = 0.238$). Although Transport Facilities, Parking Facilities, and Canteen Facilities also significantly influence job satisfaction, their relative contributions are comparatively lower.

Overall, the findings demonstrate that employees place greater importance on a safe work environment, adequate workplace amenities, and effective grievance handling mechanisms. Strengthening these critical welfare drivers can significantly improve employee satisfaction, foster positive work attitudes, and contribute to institutional effectiveness and long-term sustainability.

5.4. Phase IV: Welfare Strategic Matrix and Action Prioritization

The fourth phase of the study focuses on developing a strategic framework for prioritizing employee welfare interventions in educational institutions. Based on the findings from the welfare profile assessment, welfare benchmarking, and identification of welfare drivers of job satisfaction, this phase categorizes welfare facilities according to their impact on job satisfaction and the magnitude of welfare gaps. The objective is to assist educational administrators in allocating resources efficiently and implementing welfare initiatives that maximize employee satisfaction and institutional effectiveness.

The Welfare Strategic Matrix (WSM) was developed by combining two dimensions:

1. **Gap Score** - the difference between employees' expectations and perceptions of welfare facilities.
2. **Impact on Job Satisfaction** - measured through standardized regression coefficients (β values).

Table 8: Welfare Strategic Matrix

Gap Score	Impact on Job Satisfaction	Strategic Category	Management Action
High	High	Immediate Action	Prioritize and improve immediately
Low	High	Strategic Investment	Maintain and strengthen
High	Low	Monitor and Improve	Gradual improvements required
Low	Low	Maintain	Continue existing practices

Table 9: Welfare Strategic Matrix for Employee Welfare Facilities

Employee Welfare Facilities	Gap Score	Regression β	Strategic Category	Recommended Action
Transport Facilities	0.52	0.163	Monitor and Improve	Enhance transport accessibility and scheduling
Canteen Facilities	0.74	0.118	Monitor and Improve	Improve food quality, hygiene, and service standards
Parking Facilities	0.46	0.142	Maintain	Expand parking space and improve management
Safety and Security	0.27	0.326	Strategic Investment	Strengthen and sustain existing practices

Basic Amenities	0.33	0.274	Strategic Investment	Upgrade workplace infrastructure and facilities
Grievance Redressal	0.36	0.238	Strategic Investment	Improve grievance handling and communication systems

Source: Computed

The Welfare Strategic Matrix reveals that Safety and Security, Basic Amenities, and Grievance Redressal Mechanisms are classified as Strategic Investment areas because they exhibit a strong influence on job satisfaction while maintaining relatively lower welfare gaps. These welfare dimensions should be continuously strengthened and supported, as improvements in these areas are likely to yield substantial gains in employee satisfaction.

Transport Facilities and Canteen Facilities fall under the Monitor and Improve category because they exhibit comparatively larger welfare gaps but lower predictive influence on job satisfaction. Although these facilities may not be the strongest determinants of job satisfaction, addressing their deficiencies can significantly improve employees' welfare experiences and perceptions of organizational support.

Parking Facilities are categorized under Maintain, indicating moderate satisfaction levels and relatively lower strategic urgency. However, periodic review and incremental improvements are recommended to ensure continued employee convenience.

Overall, the Welfare Strategic Matrix provides a practical decision-support framework for educational institutions by identifying priority welfare areas and guiding the efficient allocation of resources. By focusing on high-impact welfare dimensions and systematically addressing welfare gaps, educational institutions can enhance employee satisfaction, strengthen organizational commitment, and improve long-term institutional effectiveness and sustainability.

6. FINDINGS OF THE STUDY

The welfare profile assessment reveals that employees generally perceive the welfare facilities provided by educational institutions positively. The Overall Employee Welfare Index (EWI) of 3.90 indicates a good level of employee welfare provision. Among the various welfare dimensions, Safety and Security recorded the highest mean score, followed by Basic Amenities and Grievance Redressal Mechanisms, indicating that employees are generally satisfied with the safety measures, workplace infrastructure, and institutional support systems. However, Canteen Facilities and Parking Facilities received comparatively lower mean scores, suggesting the need for further improvement in these areas.

The mean ranking analysis indicates that Safety and Security emerged as the most satisfactory welfare facility, followed by Basic Amenities and Grievance Redressal Mechanisms. In contrast, Canteen Facilities occupied the lowest rank, indicating relatively lower levels of employee satisfaction with food quality, service standards, and related amenities.

The gap analysis reveals notable differences between employees' expectations and their perceptions of the existing welfare facilities. Canteen Facilities exhibited the highest gap score, indicating that employees' expectations regarding this facility are not adequately fulfilled. Transport Facilities also demonstrated a considerable gap, suggesting the need for improvements in transportation accessibility and convenience. Conversely, Safety and Security recorded the smallest gap score, indicating that the existing provisions largely meet employees' expectations.

The correlation analysis establishes significant positive relationships between all employee welfare facilities and job satisfaction. Among the welfare dimensions, Safety and Security demonstrated the strongest positive relationship with job satisfaction, followed by Basic Amenities and Grievance Redressal Mechanisms. This finding indicates that employees who perceive better welfare facilities tend to exhibit higher levels of job satisfaction.

The multiple regression analysis confirms that employee welfare facilities significantly influence job satisfaction among employees in educational institutions. The regression model explains a substantial proportion of the variation in job satisfaction, indicating that welfare provisions are important determinants of employee satisfaction. Among the various welfare dimensions, Safety and Security emerged as the most influential predictor of job satisfaction, followed by Basic Amenities and Grievance Redressal Mechanisms. Although Transport Facilities, Parking Facilities, and Canteen Facilities also significantly influence job satisfaction, their relative contributions are comparatively lower.

The Welfare Strategic Matrix further reveals that Safety and Security, Basic Amenities, and Grievance Redressal Mechanisms should be considered strategic investment areas because of their strong influence on job satisfaction and relatively lower welfare gaps. Conversely, Transport Facilities and Canteen Facilities require monitoring and improvement due to their larger welfare gaps and comparatively lower performance levels.

Overall, the study concludes that employee welfare facilities significantly contribute to job satisfaction in educational institutions. A safe work environment, adequate workplace amenities, and effective grievance handling mechanisms emerge as critical welfare drivers of employee satisfaction. The findings emphasize the importance of continuously assessing welfare provisions, addressing welfare gaps, and prioritizing employee-centric welfare interventions to enhance job satisfaction, improve employee well-being, and strengthen institutional effectiveness and sustainability.

7. SUGGESTIONS

Based on the findings of the study, educational institutions should adopt a comprehensive and employee-centric approach toward welfare management. Since employee welfare facilities significantly influence job satisfaction, management should periodically assess the adequacy and effectiveness of welfare provisions and implement appropriate measures to address employees' needs and expectations.

As Safety and Security emerged as the most influential predictor of job satisfaction, institutions should continuously strengthen campus security systems by enhancing surveillance mechanisms, emergency response systems, workplace safety protocols, and safety awareness programmes. Maintaining a secure work environment can significantly improve employees' confidence, well-being, and satisfaction.

Institutions should also improve Basic Amenities by ensuring adequate infrastructure, clean and hygienic workplaces, proper sanitation facilities, uninterrupted utilities, and comfortable working conditions. Periodic maintenance and infrastructure upgrades should be undertaken to provide a conducive and employee-friendly work environment.

Since Grievance Redressal Mechanisms significantly influence job satisfaction, institutions should establish transparent, accessible, and responsive grievance handling systems. Management should encourage open communication, provide confidential channels for reporting concerns, and ensure timely resolution of employee grievances to strengthen trust and organizational commitment.

The relatively higher gap scores observed for Transport Facilities and Canteen Facilities indicate the need for immediate managerial attention. Institutions should improve transportation arrangements by providing adequate transport services, convenient schedules, and accessible commuting options for employees. Similarly, canteen facilities should be upgraded by improving food quality, hygiene standards, seating arrangements, and service efficiency to enhance employees' welfare experiences.

Although Parking Facilities demonstrated a comparatively lower impact on job satisfaction, institutions should periodically review parking arrangements and, where necessary, expand parking spaces and improve traffic management to ensure employee convenience.

Educational institutions should periodically conduct Employee Welfare Audits and satisfaction surveys to identify welfare gaps and monitor employees' perceptions of existing welfare provisions. The information obtained from such assessments can assist management in prioritizing welfare interventions and allocating resources more effectively.

Finally, institutions should develop a Strategic Welfare Management Framework that integrates employee welfare initiatives with institutional objectives. By prioritizing safety, workplace amenities, grievance handling, and continuous improvement of welfare facilities, educational institutions can create a supportive work environment that enhances employee satisfaction, improves organizational commitment, and contributes to long-term institutional effectiveness and sustainability.

8. CONCLUSION

The present study concludes that employee welfare facilities play a significant role in influencing job satisfaction among employees in educational institutions. The findings reveal that

employees generally perceive the welfare facilities provided by their institutions positively, as indicated by the overall Employee Welfare Index. Among the various welfare dimensions, Safety and Security, Basic Amenities, and Grievance Redressal Mechanisms emerged as the most satisfactory and influential determinants of job satisfaction.

The study further establishes that all employee welfare facilities have a significant positive relationship with job satisfaction. The regression analysis confirms that welfare provisions are important predictors of employee satisfaction, with Safety and Security emerging as the strongest predictor, followed by Basic Amenities and Grievance Redressal Mechanisms. These findings suggest that employees value a secure work environment, adequate workplace infrastructure, and effective institutional support systems.

The welfare benchmarking and gap analyses indicate that although educational institutions provide generally satisfactory welfare facilities, certain dimensions, particularly Canteen Facilities and Transport Facilities, exhibit notable gaps between employee expectations and existing provisions. Addressing these deficiencies can significantly improve employees' welfare experiences and perceptions of organizational support.

The study also proposes a Welfare Strategic Matrix that categorizes welfare facilities according to their impact on job satisfaction and welfare gaps. This framework enables educational administrators to prioritize welfare interventions and allocate resources more effectively. By focusing on high-impact welfare dimensions and continuously improving welfare provisions, educational institutions can foster a supportive work environment that enhances employee satisfaction and organizational commitment.

Overall, the study concludes that employee welfare facilities should be viewed not merely as supportive services but as strategic human resource interventions that contribute significantly to employee well-being and institutional effectiveness. Educational institutions that continuously assess, benchmark, and strengthen their welfare provisions are more likely to develop a satisfied, motivated, and committed workforce, thereby achieving long-term organizational effectiveness and sustainability.

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