

An Empirical Assessment of Transformational Leadership in the Institutions of Higher Learning

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Abstract - The purpose of this paper is to examine the perception of employees towards transformational leadership prevailing in sample select universities. The respondents in this study comprise of 169 teaching and 97 non-teaching staff selected from four universities of North India. Multi factor Leadership questionnaire (MLQ- 5x) developed by Bass and Avolio (1995) was employed to gather the responses from the respondents. The data collected were analyzed using descriptive and inferential statistics. The results of the study revealed that there prevails a favorable perception among employees regarding transformational leadership practices. Teaching staff have showed higher satisfaction towards existing transformational leadership practices as compared to non-teaching staff. The study suggests that academicians and policy makers must promote transformational leadership style in order to improve employee delivery and enhance institutional performance in sample select universities.

Keywords: Leadership, Transformational Leadership, Academic and Nonacademic staff, Universities, India

I. INTRODUCTION

The subject of leadership has been discussed threadbare in previous literatures and over the years has gained immense relevance among researchers, academicians and policy makers in this knowledge driven economy. Leadership continues to be considered as widely debated issue at global platform (Kuchler, 2008). Leader's role in maneuvering the resources in terms of physical, human and capital have widely been accepted for improving the competence and efficiency of organizations irrespective of their nature, size and control. Yukl and Van Fleet (1992) pointed out that significance of leadership can help in achieving desired results each at individual, group and organizational level.

Previous literature on leadership revealed that the success factor of organizations depends upon the extent to which their leaders have the ability and vision to transform their institutions (Northouse, 2015; March & Weil, 2005 and Lok and Crawford 2004). Bass and Avolio (1990) opined that leadership is one of the most essential building blocks for institutional building. Due to the complex nature of environment the need for developing leadership competencies becomes all more important especially in

educational institutions (Mead, Morgan & Heath, 1999; Knight & Trowler, 2001; and Cohen, 2004). Ramsden (1994) in his research work pointed out that sound and effective academic leadership will lead to create strategic advantage over global players. Somalingam & Shanthakumari (2013) shared that role of academic leaders will increase manifold due to changes in increasing aspirations of stakeholders, advancement in technology, new trends in teaching and research, developing world class universities, environmental complexity and huge demand for skilled and knowledgeable workforce.

Various leadership styles have been developed over the years by many researchers each having its relevance and applicability. Transformational leadership style has been studied in much detail in various organizational settings. Hall et al (2008) opined that transformational leadership helps people to change their behavior and transform them to perform better. Transformational leadership articulates the vision of an institution and allows its followers to strive in attaining its objectives. Bass and Riggio (2006) transformational leadership promotes inspiration among its followers and helps them to be committed towards their institutional vision. Transformational leaders help in articulating a vision through which they emphasize the need of followers to align their values and to put efforts in achieving the laid down goals, Hoffman et al., (2011). Transformational leadership behavior contributes significantly towards attaining organizational goals and in determining its success (Amin and Hassan, 2010; Laohavichien, et.al. 2009 and Burns, 2004). According to Li and Hung (2009) transformational leadership helps in developing the relationships between leader and his followers for achieving desired outcomes. Transformational leadership consists of five constructs which are: idealised attribute, idealised behaviour, inspirational motivation, intellectual stimulation and individualized consideration (Antonakis, Avolio, and Sivasubramaniam, 2003; Avolio and Bass, 2004 and Johnson, 2009).

In educational institutions, transformational leadership style is considered as very relevant as it helps in inspiring the followers to share common goals and communicate the vision among its members for attaining organizational objectives. Middlehurst, et. al. (2009) advocated for transformational leadership in higher education whereby

leader inspires followers through a shared vision for the future. The success and failure of institutions are rooted in how well they can attract and retain dynamic, talented and futuristic leaders who have the potential and vision in taking universities to higher levels and in attaining global competitiveness.

Past studies have focused on transformational leadership practices in western settings (Long, Yusof, Kuwong and Heng, 2014; Shusha, 2013; Thamrin, 2012 and Bushra, et al 2011) but not much has been explored in Indian context. Even if some work has been examined in various organizational settings in India (Bandarker and Rai, 2015; and Kour, 2012) but service sector in general and educational sector in particular have not been studied in detail. Therefore, keeping this in view, the present paper is an attempt to examine the transformational leadership practices in universities in India.

II. RESEARCH METHODOLOGY

A. Research Objectives

The following objectives have been laid down for the present study:

1. to study the existing perception of employees perception towards transformational leadership practices prevailing in sample select universities,
2. to compare the perception of teaching and non-teaching staff regarding transformational leadership practices,
3. to examine the perception of employees on the basis of age and gender and
4. To draw conclusions and suggest measures based on findings for improving the transformational leadership practices in sample select universities.

B. Hypotheses

Keeping in view the above objectives, the following hypothesis has been formulated for the present study:

H1. The perception of teaching and non-teaching staff differs from each other.

H2. The perception of male and female staff towards transformational leadership does not differ from one another.

C. Research Instrument

To collect information from respondents about transformational leadership prevailing in sample select institutions, a research instrument Multi Factor questionnaire (MLQ-5x) comprising of 20 items developed by Bass and Avolio (1995) was used. It measures transformational leadership on five elements namely idealized attribute, idealized behavior, inspirational motivation, intellectual stimulation and individual consideration. Each element consists of 4 items each. Items are measured using five point likert type scale ranging from “strongly disagree” to “strongly agree”.

D. Reliability and Validity Test

It is very important for the empirical studies to test the reliability of the variables as it depicts to what extent variables can produce consistent results if computed or calculated repeatedly. The most widely used method to check the reliability is Cronbach’s Alpha Test. In the present study we, therefore used Cronbach’s Alpha Test in order to measure reliability and is clearly depicted as under:

TABLE I RELIABILITY OF CONSTRUCTS

S. No.	Variables	No. of Items	Cronbach’s Alpha
1	Idealized attribute	4	0.79
2	Idealized behavior	4	0.82
3	Inspirational motivation	4	0.74
4	Intellectual stimulation	4	0.72
5	Individual consideration	4	0.84

A pre-test on 50 employees was done to check the validity of the instrument and it was found quite valid as no issues were reported while responding to the framed questions and thus used for final analysis.

E. Data Collection

The study was performed on four universities of North India. The study targeted 360 employees out of which only 277 questionnaires were received back. Out of the 277 questionnaires returned, eleven responses were found either incomplete or not fit for analysis. Therefore 266 questionnaires were used for final analysis representing usable response rate of 73.88 %. The questionnaire also gathered information on demographic variables such as gender and age. Male staff comprised of 154 employees (57.89%). Employees having more than fifty years of age consisted of 104 (39.09%) while those having age between 40-50 years represented 87 employees (32.70 %) and employees having age between 30-40 years represented 75 (28.20%).

F. Sample Study Organizations

The present study was restricted to the Higher Educational Institutions. It is to be mentioned that institutions were confined within North India. The present study targeted 4 universities which were comprised of 2 State universities and 2 central universities.

The sample institutions included University of Kashmir (Kashmir), Punjab University (Chandigarh), Delhi University (Delhi) and Aligarh Muslim University (Aligarh). The selection of universities was based on purposive sampling while respondents were targeted on the basis of proportionate random sampling.

III. FINDINGS AND DISCUSSION

TABLE II PERCEPTION OF EMPLOYEES TOWARDS TRANSFORMATIONAL LEADERSHIP PRACTICES

Dimension	Mean Score (N=266)	Std. Deviation
Idealized attribute	3.34	.72
Idealized behavior	3.39	.68
Inspirational motivation	3.25	.80
Intellectual simulation	3.29	.77
Individual consideration	3.23	.85
Transformational Leadership	3.30	.79

Source: Data compiled by the author for the present study

The perception of employees towards transformational leadership practices depicts that employees are satisfied as the same is revealed with overall mean score of 3.30 (Table II). Among the elements of transformational leadership employees have shown higher satisfaction towards idealized behavior with mean score of (3.39) followed by idealized attribute, intellectual stimulation, inspirational motivation with mean scores of (3.34), (3.29) and (3.25) respectively. The employees showed least perception (3.23) with the element individual consideration. The overall mean scores depicts a favorable and positive perception of academic and nonacademic staff with respect to transformational leadership and its five elements.

TABLE III COMPARISON OF TEACHING AND NON-TEACHING STAFF PERCEPTION TOWARDS TRANSFORMATIONAL LEADERSHIP

Constructs	Mean score		Z Value*
	Teaching Staff (N= 169)	Non- Teaching Staff (N= 97)	
Idealized attribute	3.42	3.26	.026
Idealized behaviour	3.48	3.30	.018
Inspirational motivation	3.33	3.17	.031
Intellectual simulation	3.37	3.21	.029
Individual consideration	3.30	3.16	.042
Transformational Leadership	3.38	3.22	.036*

Note: (*p<.05) Source: Data compiled by the author for the present study.

A comparative analysis was used to measure the perceptual differences between teaching and non-teaching staff of sample select universities towards transformational leadership practices (Table III). The results of the study reveal that academic staff of sample select universities showed higher satisfaction towards transformational leadership and its elements with overall mean score of (3.38) as compared to non-teaching staff (3.22). A z test was

employed to ascertain whether the difference in the mean score of the two respondent groups is statistically significant or not. The results depicted that the difference is statistically significant (z value= 0.036; p <.05), indicating that the perception of the academic and non-academic staff towards transformational leadership practices prevailing in their universities differs from each other. Therefore, our hypotheses I is empirically supported and hence accepted.

TABLE IV PERCEPTION OF EMPLOYEES TOWARDS TRANSFORMATIONAL LEADERSHIP ACROSS AGE

Factor	Dependent Variable	Group	(N)	Mean Score	ANOVA	Sig*
AGE	Transformational Leadership	30- 40 years	104	3.23	3.592	.048*
		40- 50 years	87	3.31		
		> 50 years	75	3.36		

Note: *P< .05 Source: Data compiled by the author for the present study

The table IV examines the difference in the perception of academic and non-academic staff regarding transformational leadership on the basis of variable age. It is revealed from the above table 3 that employees who are above 50 years age are having highest perception towards transformational leadership with mean score of (3.36) while as employees in between 30-40 age group showed least

satisfaction towards transformational leadership with mean score of (3.23).

The perceptual differences of respondent employees regarding transformational leadership is statistically significant when the differences were examined on the basis of age factor (ANNOVA=3.592; p<.05).

TABLE V PERCEPTION OF EMPLOYEES TOWARDS TRANSFORMATIONAL LEADERSHIP ACROSS GENDER

Construct	Gender	(N)	Mean Score	Std. Deviation
Transformational Leadership	Male	154	3.26	0.78
	Female	112	3.34	0.73

Source: Data compiled by the author for the present study

As is evident from the table V. the female staff showed higher satisfaction with mean score of (3.34) towards transformational leadership as compared to male staff with mean score of (3.26) in sample select universities. To know whether the difference in respondent group 'gender' is statistically significant or not, an independent samples test

was employed. The results showed that the difference in the perception of female and male staff towards transformational leadership is statistically significant as the p value is less than .05 (table VI). Therefore hypotheses II is empirically supported and hence accepted.

TABLE VI INDEPENDENT SAMPLES TEST (GENDER)

Construct	Levene's Test for Equality of Variances		t- test for Equality of Means			
	F	Sig.	T	Df	Sig. (2- tailed)	Mean Difference
Transformational Leadership	.533	.578	-1.220	266	.041	-.08971

Source: Data compiled by the author for the present study

IV. CONCLUSIONS

The purpose of this study was to examine the existing perception of academic staff and non-academic staff towards transformational leadership prevailing in sample select universities. The results of the study revealed that both academic and non-academic staff showed favorable perception towards transformational leadership practices. Further it was indicated from the findings that academic staff showed higher satisfaction as compared to non-teaching staff. Similarly, female staff of sample select universities showed higher perception as compared to male staff, also the statistically significant difference between them depicted that gender has an effect on the perception of respondents towards transformational leadership. On the basis of findings, the statistically significant difference suggests that age has an effect on the perception of respondent employees regarding transformational leadership.

The present study is faced with some limitations. Firstly, the study targeted only five universities in India and that too with less sample size. As such the findings of the study cannot be generalized. Therefore future research can include other universities with wider geographical representation. Secondly, only public universities were taken in the present study, therefore future research can include private universities as well in order to capture and generalize the results. Thirdly, only two demographic variables such as age and gender were studied therefore future research can consider other factors namely experience, designation and Qualification so that transformational leadership can be studied through various spectrums.

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