# Job Involvement's Mediation Effect On Self-Actualization With Job Satisfaction

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#### **ABSTRACT**

Back Ground: Self-actualization factors equanimity is the major influencing factor on job involvement and Continued Freshness of Appreciation is the next most influencing factor of job involvement. The prominence of self-actualization in organizational environment especially related to job satisfaction, job involvement and organizational commitment. Self-Actualization has strong influence in determining job satisfaction, job involvement. The purpose of the study to know the relationship between the self-actualization, job involvement and job satisfaction.

Methods/Statistical Analysis: 30% respondents choose by stratified purposive random sampling method and in SEM model, AMOS 20 used in this study.

Findings: Based on the results of the study, Job Involvement has mediation effect between job satisfaction and self-actualization.

Conclusion: The researcher concluded that self-actualization is a vital contribution to job involvement and influences job satisfaction.

Key Words: Job Involvement, Job Satisfaction, Self-Actualization

#### 1. INTRODUCTION

Universities are the supreme centers of educational and research activities in globally and university faculty members are among the most important figures in the educational system and the most important elements of development in each country. Expert human resources can also be trained by enhancing academic education. Therefore, we must try to identify the various motivating and motivating factors as well as the variables that constitute these factors and their effects, study and analyze them. Self-actualization describes a person's feelings regarding their worth or that they consider themselves a person of value). Self -actualization factors equanimity is the major influencing factor on job involvement and Continued Freshness of Appreciation is the next most influencing factor of job involvement (Gopinath 2020 b). This special kind of consideration comes from all thoughts, feelings, emotions, and experiences throughout one's life. On the other hand, job satisfaction is a concept that refers to the mental and spiritual pleasure that an individual gains from his job through the satisfaction of needs, interests, and hopes. One of the challenges that academic leaders face is the ability to promote faculty development and retention due to the nature of their work and the lack of time to learn new assignments. Job Satisfaction of academic leaders can be enhanced by giving training on Self-Actualization (Gopinath 2020 i). The prominence of selfactualization in organizational environment especially related to job satisfaction, job involvement and organizational commitment. Self-Actualization has strong influence in determining job satisfaction, job involvement and organizational commitment (Gopinath 2020 j).

## 2. REVIEW OF LITERATURE

Gopinath (2020 a) has conducted study on role of employees' attitude in work place. Theresearcher found the employees' attitude is strongly influenced by their job satisfaction, job involvement and organisational commitment and concluded that enhancing these factors will also improve the attitude of academic leaders of Tamil Nadu University. Gopinath (2020 c) has studied the influence of demographic variables on the self-actualization factors like, Acceptance, Authenticity, Purpose, Efficient Perception of Reality, Humanitarianism, Good Moral Intuition, Creative Spirit, Peak Experiences, Equanimity and Continued Freshness of Appreciation. Demographic factors considered for the study is gender, age group, educational qualification, designation, salary and experience, self-actualization factors got influenced by all the Demographic factors invariably. Gopinath (2020 d) has investigated the relationship between self-actualization and job satisfaction of academic leaders of Tamil Nadu universities. The results of rank correlation exhibit the priority of self- Actualization factors on influencing the job satisfaction and equanimity, humanitarianism and creativity are the found as the top most influencing factors. Gopinath (2020 e) in his study on impact of job satisfaction and organizational commitment has found positive relationship between job satisfaction and organizational commitment and he also exhibit significant influence of job satisfaction on organizational commitment.

Gopinath & Chitra (2020) has investigated the influence of emotional intelligence factors on job satisfaction of employees. When studying the relationship between emotional intelligence factors and job satisfaction, there is a positive and significant relationship, self motivation and social skills are the most contributing factors to job satisfaction. Gopinath (2020 f) has studied the influence of job satisfaction and job involvement of Academicians with special reference to Tamil Nadu universities. The research also ensures positive and significant relationship between job satisfaction and job involvement. Gopinath (2020 g) in his study on relationship between emotional intelligence and self-actualisation has found that, emotional intelligence is the most influencing variable in determining the self –actualization, especially self- awareness factor of emotional intelligence is doing prominent role in self- actualization of Individuals. Gopinath (2020 h) has results of structural equation modeling explain significant influence of self -actualization on organisational commitment of academic leaders of Tamil Nadu universities and a major portion of organisational commitment is determined by the self –actualization of individual. Gopinath (2020 k) has investigated theinfluence of demographic factors and Job involvement and organizational Commitment, but there is a significant relationship between Job involvement and organizational Commitment, and the organizational Commitment is prominently influenced by Job Involvement.

Gopinath & Kalpana (2020). In their study, they investigated the Relationship of job involvement with job satisfaction; from results of structural equation modeling the researchers find Job Involvement motivates employee towards fulfilment of the personal life goals. Obviously, the fulfilled goals give satisfaction to the academic leaders of university. Gopinath (2019 a) conducted a study on impact of organizational commitment to faculties in educational institutions and concluded the organisational commitment factors findings of that the knowledge management practices within the organization regarding the level of their organizational commitment and this will contribute to the development of both the organization and the staff. Gopinath (2019 b) had investigated factors of job involvement among the engineering college teaching faculties. Based on the results, the researcher concluded the job involvement factors influence to the knowledge management very positive manner. Gopinath (2019 c) emphasizes that relationship between the Organizational Commitment and Job Involvement. Job satisfaction is recognized as an element of organizational commitment and also that the work environment gives a positive relationship

to job satisfaction. Gopinath & Kalpana (2019) concluded that Job Satisfaction is the result of Job involvement and organizational commitment. From the study, the researcher discovered that job involvement and organizational commitment have been acting as important factors that contribute to job satisfaction. Gopinath (2016 a) in his study on influence of compensation management and welfare measures on job satisfaction has found that both the factors, has strong influence on work, supervision, pay, promotion and co-workers. And he also suggested proper management of compensation and welfare will strongly support to enhance the job satisfaction. Gopinath (2016 b) has investigated the relationship between employee's health and safety and job satisfaction among BSNL Employees with Special Reference in three different SSAs and concluded job satisfaction level can be enhanced by improving the health and safety conditions of the employees. Gopinath (2016 c) has studied Performance Management in BSNL with Special Reference to Job Satisfaction in Three Different SSAs Using Modeling. The structural equation model reveals positive and significant influence of performance management factors on work, supervision, pay, promotion and co-workers. Gopinath (2016 d) in his study on Is Promotion and Transfer helps to Employee's Job Satisfaction? he suggested that timely action on promotion and transfer has great influence on overall enhancement of employee job satisfaction. Gopinath (2016 e) has studied the relationship between Recruitment and Selection process in BSNL and Job Satisfaction. The results of structural equation modeling explained significant relationship between Recruitment and Selection process and the job satisfaction factors. Gopinath (2016 f) found that when the employees are in lack of motivation or in lack of knowledge about production methodology, by that time they require training. Gopinath (2016 g) explained significant and positive relationship between appraisal and reward system and the job satisfaction factors like work, supervision, pay, promotion and co-workers. Gopinath (2016 h) has found that work, supervision, pay, promotion and co-worker have influence in determining the job satisfaction and job satisfaction has the influence on the performance of the employees' of BSNL. Gopinath (2016 i) has found the work, supervision, promotion, pay and co-workers' dimension of job description index has positive impact on the industrial relations of BSNL.

Gopinath (2016 j) has studied Recruitment and Selection, Training and Development, Appraisal & Reward, Performance Management, Managing People, Promotion & Transfer, Compensation Management & Welfare Measure, Employee Health & Safety, and Industrial Relationshas considerable importance in determining the job satisfaction. Gopinath & Shibu (2016 a) in their study on influence of HRD factors on Job Satisfaction, theyconcluded there is a significant influence of those HRD factors on Job satisfaction of BSNL employees. Gopinath & Shibu (2016 b) has studied the relationship of HRD Related Entities on Job Satisfaction. The result of research analysis states that Promotion and Transfer, Industrial Relations, Managing People, Employee Mental Health and Safety are some HRD factors influences job satisfaction. Gopinath & Shibu (2015) found that the overall job satisfaction is determined by few factors like work, supervision, pay, promotion and co-workers. Gopinath (2014) in his studythe results of research analysis explained positive relationship between those factors and job satisfaction factors. Gopinath & Shibu (2014 a) have studied and results explains the significant influence of demographic factors on job satisfaction and the factors. Gopinath & Shibu (2014 b) has studied the relationship between HRD practices and job satisfaction of BSNL employees. The results of research analysis exhibitsignificant and positive relationship between the HRD practices and the Job Satisfaction of BSNL employees and Job satisfaction may be defined as a pleasurable positive emotional state resulting from the appraisal of one's job or job experiences [Gopinath & Shibu (2014 c & 2014 d)], demographic variables also positively influenced on job satisfaction. Gopinath & Shibu (2014 e) hasfound Recruitment and Selection, Training and Development, Appraisal & Reward,

Performance Management, Managing People, Promotion & Transfer, Compensation Management & Welfare Measure, Employee Health & Safety, and Industrial Relations has important implications in determining the job satisfaction of the employees of BSNL.

Gopinath & Shibu (2015 & 2016) found the demographic factors and Promotion & Transfer, Industrial Relations, Managing People, Employee Mental Health & Safety has significant influence on job satisfaction and the HRD practices has positive influence on Job satisfaction. Kalpana & Shibu (2014 a) reviewed the organizational commitment is a positive or negative attitude towards the whole organization for people who are busy to some extent. Organizational commitment is a strong feeling of loyalty towards an organization and is determined by its own organization. Demographic factors influence the organizational commitment. Kalpana & Shibu (2014 b) investigated the Factor Analysis on job involvement with special reference to women faculties of engineering colleges. The researchers found the four factors of jobinvolvement were inter-correlated with them and job involvement. Kalpana & Shibu (2014 c) concluded that highly committed lecturers would make a positive contribution to their respective institutions and may lead to increase the effectiveness of the educational institutions. Kalpana & Shibu (2014 d) discussed that fostering commitment among faculty has important implications for educational institutions and thus, institutions that seek to retain their lecturers by building strong organizational commitment and moderate committed colleges are better positioned to reap the benefits of a more dedicated, motivated, and reliable faculty. Kalpana & Shibu (2016) found in their study, the fit statistics have confirmed that the measurement model shows an adequate fit with the data, indicating that there is no requirement of further modification in the model. Job Related and Working Environment are the factors of Organizational Commitment.

#### 3. OBJECTIVES

• To know the significant relationship between self-actualization with job involvement and job satisfaction.

## LIMITATIONS OF THE STUDY

 Government universities only choose for this study. So, the results applicable to study area only.

## PERIOD OF THE STUDY

• The study revealed by two months from July 2019 to July 2020.

#### CONCEPTUAL FRAMEWORK

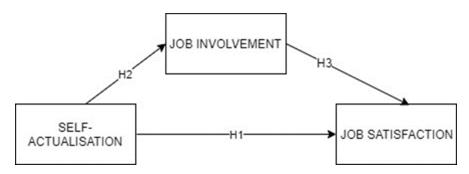


Figure 1. Hypothesized model showing the variables relationships

The hypothesized model shows the effect of Self-actualisation of academic leaders to job satisfaction. It also shows the relationships of job involvement to job satisfaction.

# 4. METHODOLOGY

After carefully reviewing the literature, the researcher is convinced of the importance of the tools that have been developed, standardized and widely spread in the academic circle of Dr. Scott Barry Kaufman (2018) from the University of Pennsylvania, USA. It reflects a specific universal application and also fits into the contemporary Indian scenario. The researcher used five points Likert scale to frame the structure questionnaire. 30% respondents selected bythe method of stratified purposive random sampling for collecting data equally from all universities of Tamil Nadu to represent the population under this study. In SEM model, AMOS 20 used in this study.

## 5. FINDINGS

The assessment of model fit indices for the measurement model. Based on the results of the study (Table-1), appropriate statistics confirmed that the measurement model shows an appropriate agreement with the data, indicating that there is no need for further modification of the model.

Table No 1. Parameter estimates for the measurement model

Regre Weigh			Standardized Loadings	Standard Error	t-value	P	AVE	CR
SA6	<	SA	.901		_*	***		
SA5	<	SA	.879	.097	7.388	***		
SA4	<	SA	.896	.048	12.856	***	0.72	0.71
SA3	<	SA	.791	.065	12.843	***	-0.72	
SA2	<	SA	.812	.069	12.859	***		
SA1	<	SA	.832	.054	12.750	***		
JI4	<	JI	.870		_*	***		0.75
JI3	<	JI	.863	.162	11.913	***	0.91	
JI2	<	JI	.835	.088	12.411	***	0.81	
JI1	<	JI	.843	.080	6.390	***		
JS5	<	JS	.819		_*	***		
JS4	<	JS	.833	.067	5.644	***		
JS3	<	JS	.827	.038	11.741	***	0.73	0.70
JS2	<	JS	.784	.078	12.587	***		
JS1	<	JS	.890	.084	10.842	***		

Table No. 2. Measurement Model Estimates Values

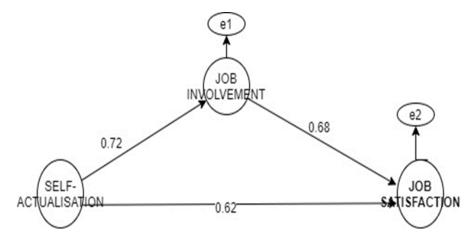
Absolute	fit measuı	es					Incremental fit measures		Parsimony fit measures
	χ2	Df	χ2/df	GFI	RMSEA	RMR	NFI	CFI	AGFI
Criteria			<5	≥ 0.90	< 0.08	< 0.05	≥ 0.90	≥ 0.90	≥0.90

	Obtained 209	9.586 85	2.466	0.945	0.057	0.039	0.901	0.933	0.922
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Note:  $\chi$ 2: Chi-square; Df: degree of freedom; GFI: Goodness of fit index; RMSEA: Root mean square error of approximation; NFI: Normated fit index; CFI: Comparative fit index; AGFI: Adjusted goodness of fit index; RMR: Root Mean Square

The results of the respective measurement model (Table-2) indicated that the GFI and RMSEA absolute fit measures were 0.945 and 0.057. In addition, the CFI and NFI compliance measures were 0.933 and 0.901, respectively, and the AGFI compliance scale was 0.922. All measurements calculated above are exceeded at the suggested low values. Beyond that, and most importantly, the co-reliability and mean change obtained for all factors involved in the model exceeded 0.5. In addition to these indicators, the 2 / df ratio was 2.466, which was within the recommended threshold level (eg, 1.0 <2 / df <5.0). As a result, the physical statistics concluded that the measurement model showed insufficient data, indicating that no modifications to the model were required. Thus, a one-dimensional model was established (Byrne, 2010; Hair et al., 2013). Investigation of the solution presented in Table 2 shows that all parameter estimates show the correct mark and size; Standard errors were neither too small nor too great; All t values (critical ratios) were greater than 1.96 and were significant at 0.001. Thus, all estimates were considered reasonable and statistically significant. According to Hair et al., (2013), the factor load should exceed 0.5 level for all individual items. Likewise, Fornell & Larcker (1981) suggested that the composite reliability value (CR) is higher than 0.60 from all combinations and that the mean variance extracted (AVE) is greater than 0.50 in each dimension. Indicators designed to measure a common underlying factor all have relatively high standards for that factor.

## 6. PATH ANALYSIS (HYPOTHESIS TESTING)



The result of the study indicates that hypotheses, H1, H2 and H3 are accepted and found statistically significant since their respective p-vale is significant at 0.001. So that, job involvement and job satisfaction has found significantly impact on self-actualization. The results indicate that self-actualization has significant direct positive impact on job satisfaction ( $\beta = 0.186$ , t-value = 4.683, p< 0.05). The indirect impact of self-actualization on job involvement is significant ( $\beta = 0.163$ , t-value = 4.964, p< 0.05). The indirect effect of job involvement on job satisfaction is significant ( $\beta = 0.20$ , t-value = 14.805, p< 0.01).

Table No 3. Parameter estimates for the measurement model

<b>Structural Path</b>	Hypothesis	Beta	t-value	Decision

		Coefficient		
JS< SA	H1	.186	4.683**	Supported
JI< SA	H2	.163	4.964**	Supported
JS< JI	Н3	.202	14.805***	Supported

<sup>\*\*</sup> p < 0.05 (Significant at 99% Confidence Level)

The results reveal that the mediation effect of job involvement between self-actualization and job satisfaction is partial as the indirect effect togets reduced but remains significant. The mediation effect has been further confirmed with the Sobel Statistic.

Table No.4: Before mediator variable entered the model – D0irect Effect

			Beta Estimate	SE	CR	P- value	Result
JS	<	SA	0.343	0.065	6.641	0.000	Significant

## 7. CONCLUSION

The relationship between the extent of higher education intuition in embracing self-actualization, job involvement and job satisfaction in Tamil Nadu universities in India is positive and strong. Self-realization positively affects job involvement, it also strongly affects job satisfaction for survival, which is the most powerful factor among others, and also the positive effect of self-realization on job satisfaction. It can be concluded that self-actualization influences the job involvement of academic leaders in Tamil Nadu universities is an important aspect to consider job satisfaction. Even when job involvement has been presented as a mediating variable, the impact of self-actualization is still significant. Thus, it can be concluded that self-actualization is a vital contribution to job involvement and influences job satisfaction.

### 8. REFERENCES

- [1] Byrne, B.M. (2010). Structure Equation Modeling with AMOS: Basic Concepts, Applications, and Programming, 2/e, Routledge: New York, NY.
- [2] Fornell, C., & Larcker, D. F. (1981). Evaluating structural equation models with unobservable variables and measurement error. *Journal of marketing research*, 39-50.
- [3] Gopinath, R. (2020 a). Role on Employees' Attitude in Work Place. *GEDRAG & Organisatie Review*, 33(2), 1461-1475.
- [4] Gopinath, R. (2020 b).Self- Actualization and Job Involvement of Academic Leaders in Tamil Nadu Universities: A Relationship Study. *NOVYI MIR Research Journal*, 5(7), 58-69.
- [5] Gopinath, R. (2020 c). Demographic Percipience of Self Actualization among Academic Leaders in Tamil Nadu Universities A Study. *NOVYI MIR Research Journal*, 5(6), 81-91.
- [6] Gopinath, R. (2020 d).Investigation of Relationship between Self-Actualization and Job Satisfaction among Academic Leaders in Tamil Nadu Universities. *International Journal of Advanced Science and Technology*, 29(7), 4780 4789.

<sup>\*\*\*</sup> p < 0.01 (Significant at 99% Confidence level)

Beta => Structural Path Coefficient / Standardized Partial Regression Coefficient

- [7] Gopinath, R. (2020 e). Impact of Job Satisfaction on Organizational Commitment among the Academic Leaders of Tamil Nadu Universities. *GEDRAG & Organisatie Review*, 33(2), 2337-2349.
- [8] Gopinath, R., & Chitra, A. (2020). Emotional Intelligence and Job Satisfaction of Employees' at Sago Companies in Salem District: Relationship Study. *Adalya Journal*, 9(6), 203-217.
- [9] Gopinath, R. (2020 f). Influence of Job Satisfaction and Job Involvement of Academicians with special reference to Tamil Nadu Universities. *International Journal of Psychosocial Rehabilitation*, 24(3), 4296-4306.
- [10] Gopinath, R. (2020 g). Study on Relationship between Emotional Intelligence and Self Actualization among Academicians of Tamil Nadu Universities. *International Journal of Psychosocial Rehabilitation*, 24(2), 5327 5337.
- [11] Gopinath, R. (2020 h). Impact of Academic Leaders' Self- Actualization on Organisational Commitment in Tamil Nadu Universities Through Structural Equation Modelling. *Test Engineering and Management*, (83), 24898–24904.
- [12] Gopinath, R. (2020 i). An Investigation of the Relationship between Self-Actualization and Job Satisfaction of Academic Leaders. *International Journal of Management*, 11(8), 753-763.
- [13] Gopinath, R. (2020 j). Prominence of Self-Actualization in Organization. *International Journal of Advanced Science and Technology*, 29 (3), 11591 11602.
- [14] Gopinath, R. (2020 k). Job involvement and organizational commitment of academic leaders in Tamil Nadu universities A relationship study with structural equation modeling. *Journal of Critical Reviews*, 7 (19), 1857-1864.
- [15] Gopinath. R., & Kalpana. R. (2020). Relationship of job involvement with job satisfaction. *Adalya Journal*, 9 (7), 306-315.
- [16] Gopinath, R. (2019 a). Impact of Organisational Commitment on Knowledge Management Practices. *International Journal of Research and Analytical Reviews*, 6(2), 701-703.
- [17] Gopinath, R. (2019 b). Job Involvement Influence to Knowledge Management–A Study. *International Journal of Research*, 8(5), pp. 1461-1466.
- [18] Gopinath, R. (2019 c). Organisational Commitment and Job Satisfaction Relationship—A Study in private Cement Factories. Suraj Punj Journal for Multidisciplinary Research, 9(5), 444-447.
- [19] Gopinath, R., & Kalpana, R. (2019). Employees' Job Satisfaction working at hospitals in Perambalur District. *Journal of Emerging Technologies and Innovative Research*, 6(4), 220-225.
- [20] Gopinath, R. (2016 a). How The Compensation Management and Welfare Measure Influence Job Satisfaction? A Study with Special Reference in BSNL to Three Different SSAs Using Modeling, *International Journal of Scientific Research*, 5 (8), 305-308
- [21] Gopinath, R. (2016 b). Is the Employee Health and Safety Related to Job Satisfaction? An Inquiry into BSNL Employees with Special Reference in three different SSAs Using Modeling. *IOSR Journal of Business and Management*, 18 (7), 135-139.
- [22] Gopinath, R. (2016 c). A Study on Performance Management In BSNL with Special Reference To Job Satisfaction In Three Different SSAS Using Modeling. *International Journal of Management*, 7(5), 43–51
- [23] Gopinath, R. (2016 d). Is Promotion and Transfer helps to Employee's Job Satisfaction? An Empirical Study at BSNL with special reference in three different SSAs using modeling. *Asian Journal of Management Research*, 6 (4), 277-285.

- [24] Gopinath, R. (2016 e). A Study on Recruitment and Selection in BSNL with Special Reference to Job Satisfaction in Three Different SSAs Using SEM Modeling. *International Journal of Scientific Research*, 5(7), 71-74.
- [25] Gopinath, R. (2016 f). A Study on Training and Development in BSNL with Special Reference to Job Satisfaction in Three Different SSAs Using Modeling. *Global Journal for Research Analysis*, 5(6), 367-370.
- [26] Gopinath, R. (2016 g). A Study on Appraisal and Reward in BSNL with Special Reference to Job Satisfaction in Three Different SSAs Using Modeling. *Indian Journal of Applied Research*, 6 (7), 275-278.
- [27] Gopinath, R. (2016 h). HRD Factor Managing People Influence to Job Satisfaction with special reference to BSNL Employees in three different SSAs using Modeling. *Global Journal for Research Analysis*, 5(7), 323-326.
- [28] Gopinath, R. (2016 i). Industrial Relations Impact with Job Satisfaction Using SEM Model with Special Reference to BSNL Employees in Three Different SSAs. *Indian Journal of Research*, 5(7), 94-97.
- [29] Gopinath, R. (2016 j). Impact of HRD to Job Satisfaction with special reference to BSNL Employees In three different SSAs using SEM Model. *International Journal of Management*, 7(5), 1-9.
- [30] Gopinath, R., & Shibu, N.S. (2016 a). Few HRD Factors Influencing Job Satisfaction – A Study With Reference To BSNL, Three Different SSAs. *International Journal of Management*, 7 (2), 379-384.
- [31] Gopinath, R., & Shibu, N. S. (2016 b). A study on few HRD practices related entities influencing Job Satisfaction in BSNL, Madurai SSA. *Annamalai Journal of Management*, Special Issue, 1-9.
- [32] Gopinath, R., & Shibu, N.S. (2015). Impact of Factors towards Job Satisfaction—A Study in BSNL, Three Different SSAs. *International Journal of Management*, 6 (1), pp. 171-180.
- [33] Gopinath, R. (2014). A Study on Performance Management, Managing People and Industrial Relations Influencing Job Satisfaction in BSNL, Thanjavur SSA. *Indian Journal of Applied Research*, 4 (4), 82-84.
- [34] Gopinath, R., & Shibu, N.S., (2014 a). A Study on Few Job Related Entities Influencing Job Satisfaction in BSNL Thanjavur SSA. *International Journal of Management Research and Development*, 4 (3), 13-22.
- [35] Gopinath, R., & Shibu, N.S. (2014 b). A Study on HRD practices and its impact towards job satisfaction in BSNL, Three different SSAs. *Global Journal for Research Analysis*. 3 (11), 29-31.
- [36] Gopinath, R., & Shibu, N.S. (2014 c) A Study on HRD Practices influencing job satisfaction in BSNL, Trichy SSA. *International Journal of Scientific Research*, 3(4), 147-149.
- [37] Gopinath, R., & Shibu, N.S. (2014 d). HRD Practices and Its Impact towards Job Satisfaction in BSNL, Madurai SSA- A Study. *International Journal of Human Resource Management and Development*, 4 (1), 61-69.
- [38] Gopinath, R., & Shibu, N. S. (2014 e), HRD Practices and its Impact towards Job Satisfaction in BSNL, Thanjavur SSA- A Study, *Asian Journal of Management Research*, 5(1), 138-147.
- [39] Gopinath, R., & Shibu, N.S. (2016). A Study on Few HRD Practices Related Entities Influencing Job Satisfaction in BSNL, Madurai SSA. *Annamalai Journal of Management*, 1-9.

- [40] Gopinath, R, & Shibu, N.S. (2015). A Study on Few HRD Related Entities Influencing Job Satisfaction In BSNL, Tamil Nadu Telecom Circle. *Annamalai Business Review*, 24-30.
- [41] Hair, J., Black, B., Babin, B., Anderson, R., & Tatham, R. (2013). Multivariate Data Analysis, 6/e, Prentice-Hall: Upper Saddle River, NJ.
- [42] Kalpana, R & Shibu, N.S. (2014a). Organizational commitment A general view, *Research Explorer*, 2(1), 16-18.
- [43] Kalpana, R & Shibu, N.S. (2014b). Factor Analysis on Job Involvement with special reference to Women Faculties of Engineering Colleges, *Global Journal for Research Analysis*, 3(11), 50-52.
- [44] Kalpana, R & Shibu, N.S. (2014c) Relationship between Organisational Commitment and Organisational Support with special reference to Women Faculties of Engineering Colleges, *Sankhya International Journal of Management and Technology*, 3[II(A)], 253-256.
- [45] Kalpana, R & Shibu, N.S. (2014d) Factors affecting the Organisational Commitment with special reference to Women Faculties of Engineering Colleges, *Research Explorer*, 1(I), 16-18.
- [46] Kalpana, R & Shibu, N.S. (2016). CFA in Organisational Commitment with Special Reference to Women Faculties of Engineering Colleges. *International Journal of Management*, 7(2), 12-18.