AN ALDERFER PERSPECTIVE OF THE HIGHER EDUCATION RESTRUCTURING IN SOUTH AFRICA

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ABSTRACT

The consequences of the restructuring of higher education in South Africa have not yet been thoroughly investigated. This study investigates the impact of the abovementioned restructuring on employee motivation (as measured by Alderfer’s ERG theory), organisational commitment and job performance. The results show that the respondents exhibit low levels of organisational commitment and low satisfaction with monetary remuneration and fringe benefits. The results, however, show high levels of satisfaction with growth factors, peer relations and performance intentions. These results are interpreted in the light of the multiple regression analyses conducted of the interrelationships among the variables.

OPSOMMING

Die nagevolge van dié herkonstruksie van hër-onderwys in Suid-Afrika is nog nie deeglik ondersoek nie. Hierdie studie ondersoek dié invloed wat bogenoemde rekonstruksie op die motivering (soos gemee deur Alderfer se teorie), organisatories toegewydheid en werkpresiastie van werknemers het. Die resultate toon dat die respondente lae vlakke van tevredenheid met dié van organisatories toegewydheid en lae tevredenheid ten opsigte van monetêre beloning en byvoorbeeld die tevredenheid met die soort en hoe vlakke van tevredenheid in soveer groeifaktore, kollegiale verhoudings en werkpresiastievoornemens betref. Hierdie resultate word vertolk volgens die alitergegrond van veelvoudige regressie-analises wat op die onderlinge verwantskappe tussen die veranderlikes uitgevoer is.

As part of a global phenomenon, the South African higher-education system is presently undergoing a complex restructuring process of merging tertiary-education institutions. The consequences of this process for tertiary-education institutions have however not yet been thoroughly investigated. In business firms, for example, restructuring is reported to cause uncertainty, anxiety, loss of motivation, lower morale and higher levels of accidents and work errors (Clarke & Koonce 1995; Hellriegel, Slocum & Woodman 2001).

Higher-education restructuring – a global phenomenon

The restructuring of higher-education institutions is not a uniquely South African phenomenon. Universities and colleges of education have undergone restructuring in many other countries, such as Canada, Australia, Russia, China, the United States of America and Britain (Blackmore, 2002; Curri, 2002; Finkelstein, 2003; Gumport, 2000; Mok, 2003; Wood & Meek, 2002). Many reasons have been advanced for why it has been necessary for higher-education institutions to restructure, namely governments’ diminishing ability to subsidise education, due to the restructuring of global capitalism and the emergence of neo-liberal macro-economics (Kraak, 2004; Manicas, 1998; Mok, 2003; Woodard, 1997); technological advances that have increased the demand for distance teaching (Mok, 2003); and socio-political changes in countries that have triggered the restructuring of their government institutions, including higher education (Finkelstein, 2003; Mok, 2003).

Restructuring of higher education has generally followed two approaches. Firstly, some governments have chosen the path of changing their modes of delivery and adopting new management strategies, such as privatisation (Mok, 2003). This restructuring “strategy” has been the result of the modern state’s philosophy of decentralisation and autonomisation of higher education (Mok, 2003). In this approach, governments have relinquished almost the entire educational duty to private agencies. The second approach to the restructuring of higher education is consolidation, whereby previously separate institutions are integrated. This is the restructuring model followed by Canada, South Africa and Australia (Curri, 2002; Fourie, 1999).

Two types of consolidations have been identified, namely the federal model and the amalgamation or merger model. In the federal model, the consolidating institutions have kept their respective autonomy, while being managed by a central head office. In the merger model, the merging institutions have dissolved as separate institutions and united to become a new entity. This is the model for which the South African government has opted.

Research shortcomings

Despite the problems identified in the restructuring of higher education world-wide, a lack of quantitative research appears to exist on the human dimension involved in the process. Marginson and Ramsden (2002) are for instance of the view that “practice has moved ahead of both theory and empirical investigation”.

Curri (2002) and Fourie (1999) further highlighted the small samples on which previous studies were based as a major shortcoming in the research on higher-education restructuring. Only 24 people for example participated in the Curri (2002) study, while Fourie (1999) cited “the small pilot study” used in the Van Rensburg (1998) study.

In addition to the above shortcomings, it appears that most of the research reported on higher-education restructuring is of a qualitative nature. The Fourie (1999) “paper” is a qualitative analysis of previous research findings, which includes the Van Rensburg (1998) study.

The present study concurs with Viljoen and Rothman (2002, p. 9) that it is a serious shortcoming that no quantitative study has been done on the relationship between variables interacting within the human dimension of the restructuring situation. Problems such as inadequate leadership training and employee demotivation have been highlighted without any attempt to quantify the impact these variables would have on the organisational commitment and job performance of employees.
The present study is an attempt to address the above-mentioned shortcomings by conducting a quantitative analysis of the relationship between employee motivation, organisational commitment and job performance in a restructuring higher-education institution.

The research propositions
Research has abundantly shown that restructuring in business firms causes uncertainty and anxiety among employees (Clark & Koonce, 1995; Robbins, 1998). This uncertainty and anxiety often result in overt and covert resistance to the changes brought about by restructuring (Hellriegel, Slocum & Woodman, 2001). Overt resistance to change manifests in strikes, reduced productivity, inferior work and even sabotage, while covert resistance is often expressed by increased tardiness and absenteeism, requests for transfers, resignations, loss of motivation, lower morale and higher levels of accidents and work errors.

In the South African and Australian experiences of higher-education restructuring, similar negative experiences with the process have been reported. Viljoen and Rothman (2002), for example, reported that the staff members of a South African merging tertiary institution they were investigating were very dissatisfied with how the restructuring process was managed by their management. Fourie (1999) is of the opinion that “the implications of institutional transformation for academic staff are much more profound and multifarious that is generally believed”. She (Fourie, 1999) found that the academic staff in restructuring higher-education institutions in South Africa experience the same psychological states that terminally ill patients go through, namely denial, anger, bargaining, depression, and finally, acceptance. It is further believed that the merging of tertiary-educational institutions in South Africa is the largest restructuring of higher-education in the world (Mkize, 2005), which suggests that the combined effect of these negative experiences could have serious implications for the entire South African higher-education system and eventually the national economy.

The Australian consolidation process was characterised by anxieties among staff about lowering of academic standards, cultural differences, overlapping of areas of specialisation, shift of power from academia to management and increased workloads (Mildred, 2002). There were also some concerns about reduced career advancement opportunities and the role that senior staff play in the appointments. Promotions were viewed as taking place on the basis of “whom you know” in the pre-merger institution (Mildred, 2002).

Against the background of the preceding literature review it can be expected that, due to negative perceptions, attitudes and feelings about organisational restructuring, employees in tertiary-education institutions will exhibit low levels of motivation, organisational commitment and job performance. It is therefore proposed that:

P1: As a result of organisational restructuring, employees in tertiary-education institutions will exhibit low levels of motivation

P2: As a result of organisational restructuring, employees in tertiary-education institutions will exhibit low levels of organisational commitment

P3: As a result of organisational restructuring, employees in tertiary-education institutions will exhibit low levels of job performance

The hypotheses
The present paper asserts that managers of higher-education institutions need to be concerned about how the above-mentioned anxieties, anger, depression and possible enforced acceptance will influence the organisational commitment and job performance of their staff members. Several empirical studies have shown that organisational commitment is positively related to employee job performance (Boshoff & Arnold, 1995a; Monday, Steers & Porter, 1979; Zaccaro & Dobbins, 1989). This implies that an increase in organisational commitment leads to an increase in employee job performance and vice versa.

Empirical results about the influence of elements of motivation, on the one hand, and organisational commitment and job performance, on the other hand, have been widely published (Alpander, 1990; Boshoff & Arnold, 1995b; Collarelli & Bishop, 1990; Mottaz, 1989; Wallace, 1995). In the present study the Alderfer (1969) ERG theory of motivation is used to investigate the motivational elements that could impact upon the organisational commitment of employees in a restructuring tertiary-education institution. Compared to Maslow’s (1943) needs hierarchy, the ERG theory has elicited more support from contemporary researchers as far as motivation in the work situation is concerned (Luthans, 1998; Robbins, 1998). According to Alderfer (1969), man is motivated by three groups of core needs, namely Existence, Relatedness and Growth needs, hence the term ERG theory. The existence needs manifest in the work place as the need for monetary remuneration and fringe benefits, while the relatedness needs are manifest in peer/co-worker relations. Growth needs represent the employee’s desire for personal development and advancement (training, challenging assignments and promotion).

The relationship between the satisfaction of the Alderfer (1969) needs (pay, fringe benefits, peer relatedness and growth) on the one hand, and organisational commitment and job performance, on the other hand, has been the topic of numerous research articles. Some of these articles, for example, have shown that satisfaction with monetary remuneration (pay) is an important determinant of organisational commitment (Cohen, 1992; Colarelli & Bishop, 1990; Oliver, 1990; Workplace changes employees want to see, 1999). Many studies have also reported a significant positive relationship between satisfaction with monetary remuneration and job performance (Arnolds & Boshoff, 2000; Fox, Scott & Donohue 1993; Hong, Yang, Wang, Chiou, Sun & Huang, 1995).

Empirical studies have shown that employees’ satisfaction with fringe benefits has a significantly positive influence their organisational commitment (Bennett, 2002b; Darden, Hampton & Howell, 1989; Workplace changes employees want to see, 1999). McGregor (1987) and Prokopenko (1987) reported that satisfaction with fringe benefits is a positive determinant of an employee’s job performance.

Research has also shown that commitment to co-workers (peer relatedness) is significantly and positively related to organisational commitment (Bagram, 2003; Gregersen, 1993; Wallace, 1995) and job performance (Levine, 1994; Stein & Hollowitz, 1992; Smith & Tisak, 1993).

Satisfaction of growth needs (challenging assignments, utilisation of a wide range of abilities, learning new things and involvement in decision-making, and advancement opportunities) has been found to correlate positively and significantly with organisational commitment (Alpander, 1990; Bennett, 2002b; Boshoff & Arnold, 1995b). Research has also shown that employees who are not empowered through training and development (continuous learning and challenging assignments) would eventually become less committed to their organisations. Such employees will only remain with their organisations if financial benefits are satisfactory, while rendering mediocre performances (Falkenberg, 2001; Willems, 2002). They will eventually leave their organisations, as they no longer experience their working environment as motivational.
Based on the preceding literature review the following hypotheses were formulated:

H1: Organisational commitment exerts a positive influence on job performance
H2: Employee motivation, as measured by the satisfaction with pay, exerts a positive influence on organisational commitment
H3: Employee motivation, as measured by the satisfaction with pay, exerts a positive influence on job performance
H4: Employee motivation, as measured by the satisfaction with fringe benefits, exerts a positive influence on organisational commitment
H5: Employee motivation, as measured by fringe benefits, exerts a positive influence on job performance
H6: Employee motivation, as measured by the satisfaction with peer relations, exerts a positive influence on organisational commitment
H7: Employee motivation, as measured by the satisfaction with peer relations, exerts a positive influence on job performance
H8: Employee motivation, as measured by growth need satisfaction, exerts a positive influence on organisational commitment
H9: Employee motivation, as measured by growth need satisfaction, exerts a positive influence on job performance

The hypothesised relationships described above are graphically depicted in Figure 1.

![Figure: The hypothesised relationships](image)

**RESEARCH DESIGN**

**Objective of the study**

The main objective of the study is to investigate what influence the present restructuring process exerts on the motivation, organisational commitment and job performance of the staff of a higher-education institution. More specifically, the study investigates the relationship between employee motivation (as measured by Alderfer's ERG theory of motivation), on the one hand, and organisational commitment and job performance (as measured by performance intent), on the other hand.

**Participants/respondents**

An electronic questionnaire was e-mailed to 1124 academic and non-academic staff members of a South African university. One-hundred-and-seventy (170) usable questionnaires were returned, which represents a response rate of 15.1%. The sample consisted of 37.1% males and 45.1% females, while 8.8% respondents did not indicate their gender. The age composition includes 12.4% 20-29 years olds and an even spread of respondents over the 30 to 39 (24.7%), 40 to 49 (25.9%) and 50 to 59 (22.9%) age groups. More than 50% of the respondents were academic staff, which include among others 2.9% heads of departments, 10.2% professors, 11.8% senior lecturers and 15.3% lecturers. The administrative staff include 2.4% directors and deputy directors, 3.5% managers, 12.4% administrative officers (inventory, marketing, communication, financial and network administrators), 5.8% librarians and 4.7% secretaries and typists. About 38% of the respondents were Afrikaans-speaking, about 41% English-speaking and 2.9% Xhosa-speaking. As far as educational qualifications are concerned, 13.5% had a grade 12 plus a diploma, 8.8% grade 12 plus first degree, 11.9% an honours or equivalent degree, 12.9% a master’s degree or MBA and 25.9% had a doctor’s degree. Most of the respondents a job tenure ranging from less than 5 years to 19 years, while about 14% had a job tenure ranging from 20 to 30-plus years.

The sample composition reflects a fair representation of all the job categories in the institution, as they range from directors, professors, heads of departments to librarians, secretaries and typists, and many categories in between. Due to a lack of access to e-mail facilities, general workers (garden and cleaning and maintenance personnel) did not complete questionnaires and were therefore not included in the study. Another notable absence from the sample was chartered accountants. No reasonable explanation for this is offered other than to indulge in speculation.

Less than three percent of the sample were Xhosa-speaking. This can be attributed to the absence of general workers who are predominantly Xhosa-speaking at this university. It is also possible that some of the Xhosa-speaking respondents indicated their home language as English.

Against the above-mentioned background, it appears that the sample is representative of the population of the university as far as the job levels ranging from directorship to the lowest administrative level are concerned.

**The measuring instruments**

The shortened version of Alderfer’s (1969) instrument was used to measure employee motivation, in other words, satisfaction with monetary remuneration, fringe benefits, peer relations and growth needs. Favourable results on the convergent and discriminant validation and reliability coefficients ranging from 0.64 to 0.90 were reported for these scales (Alderfer, 1969; Arnolds & Boshoff, 2000). Organisational commitment was measured using the shortened, 9-item version of the Mowday, Porter and Steers (1982) Organisational Commitment Questionnaire (OCQ). The reliability and validity of both the short and long (15-item) versions have been adequately proven (Brooke, Russell & Price, 1988; Matthieu & Farr, 1991).

Performance intentions have been described as a potent predictor or measure of employee job performance (Carkhuff 1986; Hampton, Summer & Webber 1982; Shore, Newton & Thornton 1990; Sumerlin & Norman, 1992). The performance intentions scale, developed by Shore et al. (1990), was used as a surrogate measure of job performance in this study. The reported reliability coefficients, which ranged from 0.60 to 0.84, are regarded as sufficient to use this instrument to measure the performance intention construct (Shore et al., 1990).

The questions in all the above-mentioned instruments were anchored on a seven-point Likert scale.

For the purposes of this study a score of below 60% (a mean score of 4.2 on a 7-point scale) is regarded as an indication of low organisational commitment given that the global organisational commitment average ranges from 60 to 65 percent, while the South African average is 68% (Bennett, 2002a). For the purposes of consistency the cut-off point of 60% is extended to the Alderfer needs and job performance as well.
RESULTS

Internal reliability and discriminant validity of the measuring instruments

The internal reliability of the measuring instruments was assessed by calculating the Cronbach (1951) alpha coefficients of these instruments, using the computer program SAS (SAS Institute, 1988). Table 1 shows that all the instruments used in this study exhibit reliability coefficients that exceed the minimum reliability requirement (0.70) according to Nunnally (1978).

<table>
<thead>
<tr>
<th>The measuring instruments</th>
<th>Initial value</th>
<th>Final value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organisational commitment</td>
<td>0.89</td>
<td>0.92</td>
</tr>
<tr>
<td>Monetary remuneration (pay)</td>
<td>0.86</td>
<td>0.86</td>
</tr>
<tr>
<td>Fringe benefits</td>
<td>0.93</td>
<td>0.93</td>
</tr>
<tr>
<td>Peer relations</td>
<td>0.85</td>
<td>0.85</td>
</tr>
<tr>
<td>Growth needs</td>
<td>0.82</td>
<td>0.82</td>
</tr>
<tr>
<td>Job performance</td>
<td>0.77</td>
<td>0.77</td>
</tr>
</tbody>
</table>

Exploratory factor analysis was conducted to assess the discriminant validity of the measuring instruments. The computer program BMDF4M (Frane, Jennrich & Sampson, 1990) was used for this purpose. Maximum likelihood was specified as the method of factor extraction and a Direct Quartimin oblique rotation of the original factor matrix was used (Jennrich & Sampson, 1966).

<table>
<thead>
<tr>
<th>FACtor 1</th>
<th>FACtor 2</th>
<th>FACtor 3</th>
<th>FACtor 4</th>
<th>FACtor 5</th>
<th>FACtor 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Org. commit.</td>
<td>Fringe benefits</td>
<td>Related to</td>
<td>Pay</td>
<td>Growth needs</td>
<td>Job performance</td>
</tr>
<tr>
<td>PERF1</td>
<td>-0.007</td>
<td>0.080</td>
<td>0.071</td>
<td>-0.024</td>
<td>0.276</td>
</tr>
<tr>
<td>PERF2</td>
<td>0.086</td>
<td>-0.033</td>
<td>0.037</td>
<td>0.025</td>
<td>0.003</td>
</tr>
<tr>
<td>PERF3</td>
<td>-0.089</td>
<td>0.118</td>
<td>0.009</td>
<td>0.000</td>
<td>0.070</td>
</tr>
<tr>
<td>PERF4</td>
<td>0.209</td>
<td>-0.013</td>
<td>-0.052</td>
<td>-0.006</td>
<td>-0.026</td>
</tr>
<tr>
<td>OC2</td>
<td>0.846</td>
<td>0.112</td>
<td>-0.053</td>
<td>0.032</td>
<td>-0.087</td>
</tr>
<tr>
<td>OC4</td>
<td>0.577</td>
<td>0.107</td>
<td>0.114</td>
<td>-0.033</td>
<td>0.018</td>
</tr>
<tr>
<td>OC5</td>
<td>0.486</td>
<td>0.018</td>
<td>-0.027</td>
<td>0.095</td>
<td>0.136</td>
</tr>
<tr>
<td>OC6</td>
<td>0.609</td>
<td>0.052</td>
<td>0.096</td>
<td>-0.004</td>
<td>0.053</td>
</tr>
<tr>
<td>OC7</td>
<td>0.769</td>
<td>-0.048</td>
<td>0.082</td>
<td>0.106</td>
<td>0.141</td>
</tr>
<tr>
<td>OC9</td>
<td>0.724</td>
<td>0.022</td>
<td>0.057</td>
<td>0.105</td>
<td>-0.006</td>
</tr>
<tr>
<td>ALPY1</td>
<td>0.150</td>
<td>0.077</td>
<td>-0.062</td>
<td>0.739</td>
<td>0.101</td>
</tr>
<tr>
<td>ALPY2</td>
<td>-0.007</td>
<td>0.265</td>
<td>0.056</td>
<td>0.577</td>
<td>0.159</td>
</tr>
<tr>
<td>ALPY3</td>
<td>-0.075</td>
<td>0.231</td>
<td>0.011</td>
<td>0.542</td>
<td>0.264</td>
</tr>
<tr>
<td>ALPY4</td>
<td>0.128</td>
<td>-0.034</td>
<td>0.039</td>
<td>0.826</td>
<td>-0.080</td>
</tr>
<tr>
<td>ALFB1</td>
<td>0.076</td>
<td>0.847</td>
<td>0.007</td>
<td>0.065</td>
<td>-0.040</td>
</tr>
<tr>
<td>ALFB2</td>
<td>0.035</td>
<td>0.911</td>
<td>-0.059</td>
<td>-0.067</td>
<td>0.055</td>
</tr>
<tr>
<td>ALFB3</td>
<td>0.025</td>
<td>0.729</td>
<td>0.075</td>
<td>0.113</td>
<td>-0.012</td>
</tr>
<tr>
<td>ALFB4</td>
<td>0.086</td>
<td>0.657</td>
<td>0.048</td>
<td>0.265</td>
<td>-0.136</td>
</tr>
<tr>
<td>ALFB1</td>
<td>-0.067</td>
<td>-0.101</td>
<td>0.731</td>
<td>0.167</td>
<td>0.011</td>
</tr>
<tr>
<td>ALFB2</td>
<td>0.083</td>
<td>-0.007</td>
<td>0.807</td>
<td>0.010</td>
<td>0.015</td>
</tr>
<tr>
<td>ALFB3</td>
<td>0.152</td>
<td>0.103</td>
<td>0.754</td>
<td>-0.135</td>
<td>0.052</td>
</tr>
<tr>
<td>ALFB4</td>
<td>-0.020</td>
<td>0.046</td>
<td>0.747</td>
<td>-0.082</td>
<td>0.036</td>
</tr>
<tr>
<td>ALGR1</td>
<td>0.084</td>
<td>0.141</td>
<td>0.009</td>
<td>-0.023</td>
<td>0.701</td>
</tr>
<tr>
<td>ALGR2</td>
<td>0.354</td>
<td>-0.049</td>
<td>0.009</td>
<td>0.020</td>
<td>0.584</td>
</tr>
<tr>
<td>ALGR3</td>
<td>0.086</td>
<td>-0.074</td>
<td>0.027</td>
<td>0.031</td>
<td>0.712</td>
</tr>
<tr>
<td>ALGR4</td>
<td>-0.106</td>
<td>-0.024</td>
<td>0.090</td>
<td>-0.006</td>
<td>0.643</td>
</tr>
</tbody>
</table>

Table 2 shows low levels of satisfaction with fringe benefits and monetary remuneration, but high levels of satisfaction with peer relations and growth needs. To the extent that fringe benefits and monetary remuneration motivate the sampled respondents, their work motivation is low. Their work motivation is however high as far as satisfaction with peer-relations and growth needs is concerned. The proposition (P1) that employees in tertiary-education institutions will exhibit low levels of motivation due to organisational restructuring, is therefore accepted as far as satisfaction with peer relations and growth needs is concerned, but not accepted as far as satisfaction with monetary remuneration and fringe benefits is concerned.

Table 4 also shows low levels of organisational commitment. The proposition P2, that employees in tertiary-education institutions undergoing organisational restructuring will exhibit low levels of organisational commitment, is therefore accepted. The empirical results indicate high levels of performance intent (proposition P3 is not accepted). This means that, although the
respondents in this study exhibit low organisational commitment and low satisfaction with monetary remuneration and fringe benefits, they still show a high level of performance intent.

The interrelationships between employee motivation, organisational commitment and job performance

To empirically evaluate the various relationships depicted in Figure 1, a series of three multiple regression analyses were conducted using the computer program SAS (SAS, 1988). The results of the multiple regression analyses are summarised in Table 5 and graphically depicted in Figure 2.

Table 5

<table>
<thead>
<tr>
<th>Dependent variable: Organisational commitment</th>
<th>Estimate</th>
<th>Exceedance probability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intercept</td>
<td>1,262427575</td>
<td>0,6166</td>
</tr>
<tr>
<td>Monetary remuneration</td>
<td>0,247019690</td>
<td>0,0489**</td>
</tr>
<tr>
<td>Fringe benefits</td>
<td>0,559579805</td>
<td>0,0001***</td>
</tr>
<tr>
<td>Peer relations</td>
<td>0,279150120</td>
<td>0,0001***</td>
</tr>
<tr>
<td>Growth needs</td>
<td>0,366286909</td>
<td>0,0002***</td>
</tr>
<tr>
<td>R² = 47,0%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dependent variable: Job performance</th>
<th>Estimate</th>
<th>Exceedance probability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intercept</td>
<td>18,61672462</td>
<td>0,0001</td>
</tr>
<tr>
<td>Monetary remuneration</td>
<td>-0,07866131</td>
<td>0,2005</td>
</tr>
<tr>
<td>Fringe benefits</td>
<td>0,159976909</td>
<td>0,0071***</td>
</tr>
<tr>
<td>Peer relations</td>
<td>0,04554739</td>
<td>0,2502</td>
</tr>
<tr>
<td>Growth needs</td>
<td>0,21724527</td>
<td>0,0001***</td>
</tr>
<tr>
<td>R² = 23,9%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dependent variable: Job performance</th>
<th>Estimate</th>
<th>Exceedance probability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intercept</td>
<td>17,37904772</td>
<td>0,0001</td>
</tr>
<tr>
<td>Organisational commitment</td>
<td>0,18385439</td>
<td>0,0001***</td>
</tr>
<tr>
<td>R² = 21,6%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: ** p < 0,05
* *** p < 0,01

Figure 2: The empirical results: multiple regression analyses

Figure 2 shows that organisational commitment is a significant determinant of employee job performance ($r = 0.18$, $p < 0.01$). In other word, the hypothesis (H1) is accepted. This means that the low levels of organisational commitment reported in Table 4 above have the potential to decrease the job performance of the employees in a restructuring institution.

The empirical results also show that satisfaction with all the motivational elements of the Alderfer ERG theory are significantly and positively related to organisational commitment (hypotheses H2, H4, H6 and H8 accepted). This indicates that low levels of satisfaction with the Alderfer motivational needs will lead to low organisational commitment.

The results show that only satisfaction with fringe benefits and growth needs is significantly related to job performance (hypotheses H3 and H7 not accepted). In other words, satisfaction with monetary remuneration, fringe benefits, peer relations and growth needs will have a direct influence on the job performance of employees.

The results, however, indicate that satisfaction with monetary remuneration and peer relations is not significantly related to employee job performance (hypotheses H3 and H7 not accepted). In other words, satisfaction with monetary remuneration and peer relations is not a major concern for employees in a restructuring tertiary-education institution.

The empirical results on Table 5 show that the Alderfer needs explain 47,0% of the variance in organisational commitment. In other words, monetary remuneration, fringe benefits, peer relations and growth needs are important determinants of employees’ organisational commitment.

Table 5 also shows that organisational commitment explains 21,6% of the variance in employee job performance. Among other factors, organisational commitment has a significant influence on employees’ job performance.

The results show that the Alderfer needs explained 23.9% of the variance in job performance. This means that fringe benefits and growth factors (challenging assignments, utilisation of a wide range of abilities, learning new things and involvement in decision-making, and advancement opportunities) are important determinants of employees’ job performance.

DISCUSSION

The restructuring of higher education is a worldwide phenomenon, which is caused by major economic factors. It is against this background that Finkelstein (2003) asks whether resistance against this restructuring should at all be made. If no such resistance is possible, the consequences of higher-education restructuring in South Africa should at least be investigated so that the process could be managed more effectively.

Finkelstein (2003) compared the restructuring of the American higher-education system to that country’s restructuring of its health care system. Finkelstein (2003) is of the opinion that the havoc that was brought about by the restructuring of the American health care system in the two decades preceding 2003, seriously threatened the quality of health care in that country. Market mechanisms got out of hand as far as important social values regarding health care availability, quality control and costs (affordability) were concerned and important interventions became necessary. These interventions included corrective legislation, government regulation and professional medical associations protecting the rights of medical practitioners. Government interventions in the restructuring of higher education in the United States of America, however, reinforced the un fettered operation of market forces, while professional accreditation associations experienced political pressure to dismantle traditional academic standards. This state of affairs prompted stakeholders in higher education to investigate specific courses of action to “assume their individual stewardship responsibilities for the future of the university and of liberal learning” (Finkelstein, 2003). The question is whether the process of the restructuring of higher education in South Africa has reached or will be
reaching this point at some time. To answer this question, an
interpretation of the empirical results of the present study,
linked to the experiences of other countries in this regard, will
shed more light on the situation.

The experiences of other countries provide a basis to determine
what could be expected in the South African restructuring
process. Stakeholders can therefore proactively plan for the
expected consequences of this process.

The consequences of the higher education restructuring
process in other countries were both positive and negative. The
positive consequences of the higher-education restructuring in
Australia reported by Wood and Meek (2002) include: a more
responsive and industry-relevant tertiary-education system;
improved skill and capacity by managers of higher education
institutions to develop new student markets, especially the
million-dollar overseas student; and the reduction of financial
dependence on government.

Various negative consequences of higher-education
restructuring in other countries have also been reported. These
include: the highly selective nature of student recruitment which leads to more exclusions of students from
tertiary education and the concomitant further stratification
of life chances across socio-economic groups (Gumpourt,
2000; Manicas, 1998); the managing of the restructuring
process for personal gain rather than the interest of the new
institution (Mildred, 2002); increases in costs due to
travelling between sites and upgrading of services at different
sites (Curri, 2002); the inability to exercise the promised
wider choice of educational programmes due to the realities
of multi-campus delivery and time-table constraints (Mildred,
2002); the rise of academic consumerism, which changes
public higher education from knowledge-seeking institutions
to business enterprises providing narrow offerings for
different segments of the student population (Gumpourt,
2000); tensions (turf-fighting) in areas of academic
specialisation and overall organisational turmoil that
nullifies the intended positive objectives of restructuring
(Mildred, 2002); increased workloads of both academic and
administrative staff (Mildred, 2002); and the polarisation
between the top management and the member institutions
(Curri, 2002).

More or less similar positive and negative consequences of
the higher-education restructuring process in South Africa
have been reported. While it might be too early to expect
that the above-mentioned spin-offs of higher-education
restructuring in South Africa have already manifested
themselves, at least one outcome has been confirmed. The
foreign student market in South Africa, for example, has
grown considerably. Futuse (2004) reports that the number of
foreign students enrolling at South Africa universities has
increased from 34 770 in 1999 to 47 000 in 2003,
generating R1,4-billion of the R21,5-billion earned by higher-
education institutions in 2003.

Popular literature and research studies, on the other hand, have
also highlighted the following negative effects of the
restructuring of higher education: destabilisation caused by
student and staff protests (Naidu, 2005); unscrupulous jockeying
for senior positions (Mkhize, 2005); exclusion of students from
higher-education institutions due to higher study fees (Kotecha,
2005; Naidu, 2005); demoralisation, demotivation, uncertainty
and feelings of disempowerment (Fourie, 1999).

The preceding findings of restructuring of higher education
provide the background against which the empirical findings of
the current study are assessed.

The empirical results show that the staff of this tertiary-
education institution exhibit low levels of organisational
commitment and low satisfaction with monetary remuneration
and fringe benefits. In other words, to the extent to which
monetary remuneration and fringe benefits motivate the job
performance of university personnel, motivation levels are low
in this institution. In Alderfer’s ERG model (1969), monetary
remuneration and fringe benefits are needs that motivate the job
performance of employees.

The low organisational commitment levels harbour negative
implications for the job performance and intent to resign of the
staff. Research has indicated that organisational commitment
is a strong determinant of employee job performance (Boshoff
& Arnold, 1998a; Zaccaro & Dobbins, 1989) and intent to
resign (Boshoff, Van Wyk, Hoole & Owen, 2002; Shore,
Newton & Thornton, 1990). In the present study, as well as the
Fourie (1999) study, high levels of demotivation and
demoralisation among higher-education staff members
involved in restructuring were recorded. It is important that
managers of merged higher-education institutions monitor the
commitment and motivation levels of their staff members so
that timely interventions can be initiated where necessary.

There are already reports that the remuneration packages of
employees at merging institutions are being adjusted
downwards, due to the reduction in government funding
among other factors. Reduced remuneration packages, possible
reductions in costs and increased workloads do not augur well for
the motivation, organisational commitment and job
performance levels of employees.

Low organisational commitment and demotivation do not
necessarily lead to resignation due to academics’ professional
commitment to their work. The empirical results show that
respondents of the present study exhibit a high intention to
perform, despite their low satisfaction with their
remuneration and fringe benefits. In other words, higher-
education academics and administrators have a professional
commitment towards their work. In this lies the danger that
academics and administrators might still do a professional job
(the expected minimum), but do not concern themselves
about the growth of the organisation. While this type of
calculative involvement might suit the managerial approach
in the new institutions, attention should be given to what the
long-term effects of such an approach would be according to
Gumpourt (2000).

The results reveal high levels of satisfaction with peer relations
and growth needs. This means that the extent to which peer
relations and growth need satisfaction motivate their job
performance, the motivational level of this university’s staff
members is high. It is also a further indication that the staff of
this tertiary-education institution exhibit a professional
commitment to their job, which is characterised by their
identification with people doing the same job (their peers) and
the utilising the training and development opportunities to
improve their professional competencies. This finding is in line
with Erwee (1980) who found that the academic staff of tertiary-
education institutions exhibit a stronger professional
commitment than organisational commitment.

The empirical results suggest that the effective management of
peer (collegial) relations could reduce negative attitudes
towards the merger process. Initiatives by management to
facilitate social interaction and work-related collaborations
among the staff members of the merging institutions could
therefore bear fruit in terms of building a new team spirit and
even enhance organisational commitment. This assertion is
underscored by the empirical result that satisfaction with peer
relations (r = 0.28, p<0.05) is positively and significantly related
towards the merger process. Stakeholders can therefore proactively plan for the
expected consequences of this process.

The empirical results reveal that employee satisfaction with all
the Alderfer needs was significantly and positively related to
organisational commitment. This implies that employee
motivation, defined in this study as the degree of satisfaction with monetary remuneration, fringe benefits, peer relations and growth needs, is an important determinant of organisational commitment and eventually also employee job performance. It also means that to the extent to which higher-education restructuring impacts employees’ remuneration packages, peer relations and growth needs, these motivational elements will have a significant influence on the employees’ identification with, willingness to exert extra effort on behalf of, and intent to stay with the new merged institution. The implication of this for management is that bigger demands will be made on the financial resources of the merging institutions to at the very least maintain the employees’ levels of satisfaction with their monetary remuneration, fringe benefits, peer relations and growth (training, development, advancement). It must be noted that fringe benefits registered the highest correlation \( r = 0.56 \) with organisational commitment. This suggests that the manner in which fringe benefits will be managed during the restructuring process will be very important for the employees’ organisational commitment and performance intentions.

The empirical results showed that monetary remuneration (pay) and relatedness to peers are not direct determinants of job performance, but rather indirect influencers of job performance via organisational commitment. This is an indication to management that professional employees do not view their monetary remuneration as payment for their performance, but rather as an indication of how their institutions value them. Employee perceptions of how management project their institutions’ appreciation for their employees are vital during and after restructuring.

The empirical results showed a significant and positive relationship between employee satisfaction with fringe benefits and growth needs, on the one hand, and employee job performance, on the other hand. This result underscores the importance professional employees attach to fringe benefits and growth factors (training, development, advancement), as these rewards indicate the valence institutions attach to their employees. The management of fringe benefits and growth factors should therefore be important variables in the decision-making of the management of merging institutions.

To summarise: the present study has shown that employee motivation, expressed as employees’ satisfaction with their monetary remuneration, fringe benefits, peer relations and growth needs, exerts a positive and significant influence on their organisational commitment, which in turn is a significantly positive determinant of job performance. If the higher-education restructuring causes lower employee motivation (as measured above), the new merged institutions will be faced with lower organisational commitment and potentially lower employee job performance. Employee dissatisfaction with monetary remuneration and growth factors will however directly lead to lower employee job performance. It is therefore important that management manages the relationship between the Alderfer needs and organisational commitment effectively during and after the restructuring process.

Finally, Rylander (2003) suggested that the measurement of organisational commitment at a single point in time during employment is a limitation in most organisational commitment research and that more longitudinal studies need to be conducted. The restructuring of higher education institutions in South Africa provides a unique opportunity to contribute to the body of knowledge on organisational commitment in that regard. To address this research gap, this study represents the first phase in a longitudinal investigation into the development of organisational commitment in a restructuring organisation.

REFERENCES


