# Theorizing Unemployment among Management Graduates in Sri Lankan State Universities with the Theory of Communicative Action

## Vallipuram Kanagasingam\*

\*Rector, Trincomalee Campus, Eastern University, Sri Lanka. Email - Kana692002@yahoo.co.in

#### Abstract

Universities around the world have already shifted or are shifting from the original purpose to the production of employable graduates in the current era. Therefore, producing employable graduates has become one of the primary functions of Universities. Problems regarding unemployed and underemployed graduates in Sri Lanka are continued from the last three decades. The lack of coordination and cooperation among various stakeholders is the main reason for the plight of the unemployed graduates. The objectives of this study are firstly, to analyze issues related to coordination and cooperation of stakeholders in the university system in respect of employability issues; and secondly, to evaluate the roles of power in relation to the coordination and cooperation of stakeholders in the university system with respect to employability issues; Attention is paid to exploring the reasons for the issue via the lens of the theory of communicative action. This empirical study was undertaken as a qualitative embedded single case study strategy to investigate this phenomenon, and adopted in the critical constructive nature of research philosophy. Accordingly, based on the empirical evidence of the study, it is concluded that the bureaucratic system practiced in management faculties overrun the life world of academics and other stakeholders. Instrumental action in the decision making process and asymmetrical power relations among stakeholders prevent free speech space in the university set up, which has resulted in a lack of coordination and cooperation among stakeholders. The unique findings of the study add to the TCA on how a university accomplishes its goal in the absence of a mutual understanding or free speech situation among stakeholders

Keywords: Management, Graduates, Universities, Srilanka, Academics.

## 1. Introduction

Higher education has been recognized as a major component that contributes to society by improving the quality of human life (Tang et al., 2010). Knowledge production, institutional autonomy and academic freedom are vital features in the conventional universities, not only in Sri Lanka but also in the rest of the world (Rasmussen, 2007). The main purpose of the universities is to generate knowledge where research is the backbone of academics. Different academic fields of knowledge are developed through combined research work with industries and community (university-industry/business linkages) around the globe (Readings, 1999; Rasmussen, 2007). However, universities around the world have already shifted or are shifting from this original purpose to the production of employable graduates in the current era. Therefore, producing employable graduates has become one of the primary functions of Universities (Feller, 1997; Hommadi, 1990; World Bank, 2012, Fremont, 1965, Datar and Srikant, 2011). Consequently; universities have moved from pure knowledge centres to market centres i.e. producing employable graduates. With the rise of neoliberalism, the employability of graduates has become a more important goal of universities than ever before (Feller, 1997). Thus, the inability of universities to produce employable graduates is considered a critical issue (De Silva, 2014).

This paradigm shift can be seen not only in all established universities in the developed world like Cambridge and Harvard, but also in Universities in developing countries like Sri Lanka and India (Datar and Srikant 2011). However, many have questioned the role played by Sri Lankan public Universities in increasing employable graduates (UGC, 1996, 2006; The Commonwealth of Learning and ADB, 1999; QAH for Sri Lankan Universities, 2002; Ministry of Tertiary Education

and training, 2003; IRQUE, 2005; Siyambalapitiya, 2005; QAAC, 2007; Tharmaseelan, 2007; HETC, 2010; Wijesundera, 2011; Nawaratne, 2012; Sharmila, 2013). The unemployment rates among the Sri Lankan graduates are high, compared to developing countries such as Singapore, Malaysia and Thailand (Wickramasinghe, 2010). Moreover, the average overall employability ratio of Universities in Sri Lanka is 54% (Nawaratne, 2012). The Faculties of Arts and Management have higher rates of unemployment in the country and accounted for 76% and 36% of unemployed graduates respectively, whereas Medicine and Engineering accounted for 10% and 7% respectively in 2012. Consequently, the unemployment rate of Management Graduates is second next to the rate of Arts and Social Sciences graduates (Wickramasinghe, 2010; Nawaratne, 2012; De Silva, 2014). It has been repeatedly noted in the literature that Sri Lankan Universities, especially Management Faculties are far behind, compared with developed and even in some developing countries (Wickramasinghe, 2010).

This study has sought to answer the research question as to why the Management Faculties of Sri Lankan State universities continue to produce graduates who find it hard to obtain jobs in the employment market. Problems regarding unemployed and underemployed graduates in Sri Lanka are not a new phenomenon, which has been reported since the academic year 1959/60.

According to Wickramasinghe (2010), graduate unemployment or underemployment is due to a mismatch between the aspirations of graduates and the employment opportunities available to them. Further, previous studies have indicated that a mismatch between supply and demand conditions for graduate employment is due to the supply driven education system, which produces graduates who are not suited to labour market conditions. (Ranasinghe, 1992; Davies, 2000; Finn, 2000; Lindsay, 2002; Central Bank of Sri Lanka, 2003; Weligamage and Siengthai, 2003; National Science Foundation of Sri Lanka, 2004; Ariyawansa, 2008; Wickramarachchi, 2008). The issue as to why Management Faculties of Sri Lankan universities continue to produce graduates who find it hard to obtain jobs in the employment market still remains unanswered.

## 2. Research problem

In order to place the above issue in its current context in Sri Lanka, particularly because of the paucity of literature on the theme, a preliminary study was undertaken to explore why management graduates are unemployed. The findings of this of study revealed that the immediate causes for unemployable graduates are outdated curricula, poor service quality of academics and lack of industrial linkages, factors that were revealed in the previous round of interviews as well. However, the new insight gained in the consequent interviews was the lack of coordination and cooperation among stakeholders. The views of both academics and employers reveal that Management Faculties ought to have strong coordination and cooperation with other stakeholders, including the private sector. This is further evidenced by the report of the World Economy Forum (2012/13), which states that the Sri Lankan University and Industry collaboration in Research and Development is ranked 40 out of 139 Countries. These discourses clearly show that a lack of coordination and cooperation among the stakeholders is the backdrop to contemporary issues pertaining to graduate unemployment. Therefore, the research problem of the study is reformulated as "Why do Management Faculties fail to build coordination and cooperation among their stakeholders resulting in low employability among their graduates?"

#### 3. Objectives of the Study

The lack of coordination and cooperation among the stakeholders of the Management faculties in Sri Lanka is the research problem of the study. The above studies do not focus on the reasons for the lack of coordination and cooperation among diverse stakeholders. The knowledge gap pertaining to the study is that the above phenomenon has not been properly studied in higher educational institutions in the global context, except in the study conducted by Kest (1965). This study

highlights the significance of coordination and cooperation between the university (school of Management) and industry and the business community. Even after half a century of interaction, the problem still exists. Therefore, the objectives of the study are

- 1. To analyze issues related to coordination and cooperation of stakeholders in the university system in respect of employability issues.
- 2. To evaluate the roles of power in relation to the coordination and cooperation of stakeholders in the university system with respect to employability issues.

The study attempts to understand the research problem focusing on the answers to the research question, and the rationality and justification for the study is given below.

## 4. Relevance and Significance of the Study

Sri Lankan Universities are lagging behind the expectations of many who have questioned the role played by them in national development. The Common wealth of Learning and ADB, 1999; Tharmaseelan, 2007, Sharmila, 2013; UGC, 1996, 2006). There has been no systematic inquiry into this issue. Thus, the reasons for the low employability of graduates are not yet known; and the literature available in respect of other countries is inconclusive.

The scope of previous studies covers unemployment and its consequences, and researchers mainly employed survey methods (Siyambalapitiya, 2005; Tharmaseelan, 2007; and Nawaratne, 2012). These research studies have focused on immediate causes for unemployable graduates such as skills mismatch or employability itself i.e. level of employability among different graduates. On the contrary, the focus of this study is onthe coordination and cooperation among stakeholders that seem to be behind those immediate causes.

## 5. Methods and Methodology

The philosophical foundation of this study is a critical social constructivist paradigm, since the contexts of the study are human related. A single embedded case study strategy, together with qualitative methodology, was adopted while taking a critical constructivist research philosophy. Twenty nine in-depth interviews, three focus group discussions and documentary reviews were used as data collection methods. Students, academics, academic administrators, non-academic administrators, alumni, unemployed graduates, industrialists, representatives from UGC and MoHE were interviewed from March 2014 to February 2015. The researcher has undertaken a qualitative approach which leans towards constructionists in analysing the data as a critical interpretive framework. As a triangulation method, the interview, focus group discussions and documentary evidence were analysed.

According to the analysis of data collected from the case study cite, the study identifies academics, administrators, industrialists, Government staff and students as important stakeholders, where the coordination and cooperation among them are essential to ensure graduate employability.

## 6. Theory of Communicative Action for the study

Habermas (1984) developed the Theory of Communicative Action (TCA) and its foundation lies on twin theories of resource of action theory and systems theory (Flynn, 2007). The main assumption of TCA is that people prefer to communicate with each other if they have equal opportunities to communicate and reach their goals through agreed mutual understanding, which Habermas calls an 'ideal speech situation'. However, the theory further states that present society is bound up in bureaucracy, and because of the mediations by the bureaucracy, society has lost the ideal speech situation and, therefore, society cannot reach goals through mutual understanding. Instead, society uses power and money as steering mechanisms to reach coordination and cooperation towards achieving its goals.

## 7. Arguments and Propositions for the Study

The TCA offers insights into critical understanding of how stakeholders in the University, Management Faculty and the industries employ coordination and cooperation in order to work together, to produce employable graduates in management faculties in universities. The section also discusses how the research will test the TCA and its associated concepts such as life world, system, communicative action, instrumental action and powers. The TCA, as argued in the section, shows that the absence of equal opportunities for all participants to communicate in an undistorted manner, leads to the lack of coordination and cooperation among them. In the light of the TCA, the study developed a frame of inquiry consisting of four Propositions, namely, a) when the system overruns the life world, it is likely to result in poor coordination and cooperation among different stakeholders in the management faculties of Sri Lankan universities, b) when instrumental/strategic action overruns communicative action, it is likely to result in poor coordination and cooperation among the stakeholders in Sri Lankan Management Faculties, c) when power relations among stakeholders become asymmetric, it may lead to poor cooperation and coordination in management faculties, and d) the weaker the coordination and cooperation among stakeholders of Sri Lankan Management Faculties the lower may be the employability of graduates.

These four propositions are formulated on the basis of the relevant theoretical literature, the theory of communicative action and the findings of the preliminary study. The four propositions focus on the effects of the lack of coordination and cooperation among the stakeholders and the possible causes for it, such as the domination of the system over the life world of academics in the Management Faculties, asymmetrical power relation among the stakeholders, and instrumental decision making of the academic administrators of the Management Faculty and of the University as a whole.

## 8. Findings of Study

The coordination and cooperation are studied with the sub-themes derived from the TCA - forum for dialogue, level of trust between the main stakeholders, commitment towards achieving the common goals, and finally, recognition of mutual expectations of the parties. Put it differently, forum for dialogue, level of trust between the main stakeholders, commitment towards achieving the common goals, and finally, recognition of mutual expectations of the parties are taken as indicators of coordination and cooperation among stakeholders. The analysis shows that there is a lack of coordination and cooperation between the academics and the other stakeholders.

Further, it shows, as it is theorised in the TCA, the pattern of implementing bureaucratic systems in universities has negatively influenced coordination and cooperation among the stakeholders due to a lack of mutual understanding. Furthermore, coordination and cooperation has become worse because of asymmetrical power. Accordingly, findings revealed that neither the bureaucratic system nor mutual understanding provides a conducive platform to realise coordination and cooperation in this particular Management Faculty, thus it has failed to reach the goal of graduate employability. Power is a medium and mechanism in the bureaucratic system which assumes control of all activities of individuals of the universities. The bureaucratic system along with dominant academic administrators/academics who gain power through hierarchical organization, hierarchical society and or personal achievement, does not permit people to engage in open dialogue, paving the way for people to lose their mutual trust which leads to less commitment towards achieving the common goals.

The study provides sufficient evidence to accept the four propositions advanced in the present study. Lack of forum for dialogue, lack of trust between the stakeholders, commitment towards achieving the common goals and finally non-awareness of mutual expectations of each other, are emphasized, showing lack of coordination and cooperation that exists among the stakeholders, particularly between academics and other stakeholders of the university. Reasons for the lack of coordination and cooperation being the life world of academics is overrun by the system, as well as

life world itself, asymmetrical power relations among the stakeholders and the instrumental action and strategic action followed by the academic administrators, rather than communicative action in the decision making process, from the perspectives of the research participants. This evidence can be taken as additional support for the advancement of the theorem in the present study.

This study has found further that the academics do not work independently, they lose their academic values, and they perceive an absence of ownership and autonomy. Absence of this ownership and autonomy leads to less commitment and less engagement with academic programmes and the activities of the university. Therefore, the bureaucratic system controls freedom of the academic, ultimately influencing the lives and values of academics which contribute to graduate unemployability.

The government imposes rules and regulations on the day to day activities of the academics, which are far away from the concepts in the Humboldt model of the university. The basic principle of the university is academic freedom and institutional autonomy, which support to produce knowledge through teaching and research to contribute to society. Violating the basic principle, academic freedom and institutional autonomy are taken away from the university set up in Sri Lankan state universities.

Accordingly, based on the empirical evidence of the present study, it is concluded that the bureaucratic system practiced in management faculties overrun the life world of academics and other stakeholders. Instrumental rationality in the decision making process and asymmetrical power relations among stakeholders prevent free speech situation in the university set up, which has resulted in a lack of coordination and cooperation among stakeholders. These practices have collectively created asymmetrical power relationships between academic administrators and even some academics.

This asymmetrical power among the academic administrators and academics destroy the communicative action in the university system, mainly through politics with instrumental and strategic actions. The academic administrators use their power to control the process and implement his or her own desires in the universities. Each faculty and department functions under one leader's opinions, and once he or she leaves the position or the office, the entire system of the university collapses. Therefore, the role of academic leaders and deployment of power, play a vital role in the University System in Sri Lanka.

According to the discourse of the study, three major root causes for the lack of coordination and cooperation are explored. Firstly, the overrunning of the life world of academics by the bureaucratic system, secondly, instrumental/strategic action of academic and administrative leaders, thirdly, asymmetric power relations among academics and academic leaders, have in combination influenced academics and have destroyed the space for communication or the ideal speech situation. In addition, Sri Lankan hierarchical and diffident culture, further impact on the ideal speech situation which prevents itself in the life world of academics. These scenarios affect mutual understanding among the stakeholders, which lead to lack of coordination and cooperation among the stakeholders. It creates a gap, particularly between major stakeholders of academic and industry, which results in low graduate employability among the management graduates. Therefore, coordination and cooperation among the stakeholders directly influence graduates' employment, which is a new contribution in the present study.

Therefore, it is theorized that the common goal (employability of graduates) is not fully achieved due to a lack of coordination and cooperation, which is caused by the absence of free speech and loss of mutual understanding among the key university stakeholders. On the basis of the TCA and data gathered, a new theory is derived and added to the existing body of knowledge as the "Theory of graduate employability" which is advanced as "strong coordination and cooperation among the stakeholders of a university through an ideal speech situation that is likely to ensure the employability of its graduates".

The study provides evidence that 'a free speech situation' is not possible among stakeholders, because of the hierarchical relationships among them. A free speech situation is a situation where all stakeholders have the freedom to express their own views without any outside pressure or intervention. Therefore the theory of communicative action cannot be applied without modification to the actual situation in Sri Lanka. A theoretical and practical way-out for coordination and cooperation in a context where a 'free speech situation' is not always available. The theory argues that in the absence of conditions for free communicative exchange among stakeholders, coordination and cooperation is likely to remain weak and ineffective, reproducing the problem of graduate unemployment.

In the case cited, the bureaucratic system in the university overruns the life world of academics through hierarchical (asymmetric) power used as a steering medium and mechanism. The bureaucratic system influences and prevents the ideal speech situation directly and indirectly, through controlling of the life world of academics. Asymmetric powers between academic administrators and academics also control the ideal speech situation through micro- politics, which is controlled by the levels of power among academic leaders and academics. Academic leaders (practicing instrumental rationality) in the decision making process in the university system in Sri Lankan State university, reduces the space for an ideal speech situation in the universities.

This situation, i.e. absence of space for ideal speech, directly influences the level of mutual understanding and agreement among the stakeholders and leads to a lack of coordination and cooperation among the stakeholders of the Management Faculty under study, resulting in the production of unskilled and incompetent graduates, whose abilities do not match with the requirements of the labour market and contributes to unemployment among management graduates in State universities in Sri Lanka.

According to the research findings, the free speech situation does not assist strong coordination and cooperation among stakeholders due to cultural and systematic barriers in the university set up in Sri Lankan universities. The academics realise their own roles in the process of producing employable graduates in instances where academic administrators work freely without any personal agenda. If academic administrators work altruistically and implement good governance, the goals of university will be achieved. This would be a 'transformative practice,' that can address the problems of this thesis. This transformative practice will help to develop a similar situation to free speech which is highlighted by Habermas (1984) in the TCA.

The next research will be carried out in Sri Lankan or other countries in different sectors, by applying Communicative Action Theory to explore how mutual understanding prevails. In addition, it will be examined with Herbamas's argument whether it is matched or contradicted. Further, the present study opens a path to investigate cultural aspects of the individual and society and how it impacts on the levels of coordination and cooperation among the stakeholders. This level of cooperation and coordination of individuals is again influenced by their attitude which is another area to be investigated.

#### References

- Allen, J.,&Egbert, D. W., (2007). "What do educational mismatches tell us about skills mismatches? A cross-country analysis". European Journal of Education, Vol. 42, No. 1, (p59-73).
- Alvesson, M. & Deetz, S. (1996). "Critical theory and postmodernism approaches to organizational studies." In The Handbook of Organization Studies, edited by S. Clegg and C. Hardy. Thousand Oaks, CA: Sage Publications.
- Amelia, M. W. (2014). A defence of the life world: The source of normativity in a democracy, Philosophy & Social Criticism, Vol. 40 (2), 215–223, Sage Stateation.

- Ariyawansa, R. G. & Perera, M. A. N. R. M. (2005). Determinants of Graduates Employability, Paper presented at the 10th International Conference of Sri Lankan Studies, University of Kelaniya, Sri Lanka.
- Ariyawansa, E. (2008). Employability of Graduates of Sri Lankan Universities. Sri Lankan Journal of Human Resource Management, 2 (1). University of Kaleniya.
- Athula, R. (2011). Employer satisfaction towards business graduates in Sri Lanka. International Conference on Social Science and Humanity, IPEDR vol.5. IACSIT Press, Singapore.
- Barrie, S. C. (2007). "A conceptual framework for the teaching and learning of generic graduate attributes'. Studies in Higher Education, 32:4, 439 458.
- Baxter, P., Jack, S. (2008). Qualitative Case Study Methodology: Study Design and Implementation for Novice Researchers. The Qualitative Report, 13(4), 544-559.
- Boulton, G., & Lucas, C. (2011). What are universities for? Chinese Science Bulletin, 56(23), 2506–2517. doi:10.1007/s11434-011-4608-7.
- Burchell, N., Hodges, D., & Rainsbury, E. (2001). What competencies do business graduates require? Perspectives of New Zealand stakeholders. Journal of Cooperative Education, 35(2-3), 11-20.
- Central bank of Sri Lanka. (2003). Central Bank Annual Report, available at: www.lanka. net/central bank (accessed January 2013).
- Chakrabarti, A. K. & Lester, R. K. (2002). "Regional Economic Development: Comparative Case Studies in the US and Finland". Proceedings IEEE Conference on Engineering Management, Cambridge, UK, August.
- Chandrasiri, S. (2008). The Labour Market Experience of University Graduates in Sri Lanka. Higher Education Policy, 2008, 21, 405-423.
- Chanthes, S. & Taylor, J. (2010). Insights into academic understanding of the university's third role in a developing system: empirical evidence from Thailand, The VIII Triple Helix Conference, 20 22 October 2010. Madrid. Spain.
- Creswell John, W. (2013). Qualitative Inquiry and Research Design choosing Among Five Approaches (3<sup>rd</sup> Edi). Sage Publication.
- Daud, S., Abidin, N., Sapuan, N. M., & Rajadurai , J. (2011). Enhancing university business curriculum using an importance-performance approach. International Journal of Educational Management, 25(6).
- Dharma, D. (2014). Management Education, Skills & Globalization: Business, Exporting and Marketing Practice, USJP, Sri Lanka.
- Fielding, N. & Thomas, H. Gilbert, N. (ed). (2008). 'Qualitative Interviewing' in Researching Social Life (third edition), pp. 245–265. London: Sage Publications.
- Freeman, R. E. (2004). The stakeholder approach revisited, in: Zeitschrift für Wirtschafts- und Unternehmensethik, Jg. 5, Heft 3, 228-241.
- Green, W., Hammer, S., & Star, C. (2009). Facing up to the challenge: why is it so hard to develop graduate attributes. *Higher Education Research and Development*, 28(1), 17-29.

- Habermas, J. (1987). The theory of communicative action (Vol. 2): Lifeworld and system: A critique of functionalist reason (T. McCarthy, trans.). Boston: Beacon Press.
- Habermas, J., (1984). Theory of Communicative Action 1. Beacon Press, Boston, MA.
- Habermas, J., John, R. Blazek. (1987). The Idea of the University: Learning Processes.
- Harvey, L., (2000). New realities: the relationship between higher education and employment. Tertiary Education of Management, 6, 3-7.
- Hodge, S. (2005). Participation, discourse and power: a case study in service user involvement. Critical Social Policy, 25, 164-179.
- Hofstede, G., (2001).Culture's consequences: Comparing values, behaviours, institutions and organisations, across nations, 2<sup>nd</sup> Edi. Thousand Oaks, CA Sage.
- Kast, E. F. (1965). Management Education in Europe. Academy of Management Journal . 8 (2). 75-89.
- Kelly, M. (1994). Critique and Power: recasting the Foucault/Habermas debate. MIT Press, Cambridge, MA.
- Kemmis, S. (1998). System and lifeworld, and the conditions of learning in late modernity, Pedagogy, Culture and Society. Vol. 6, No.3, 269-305.
- Kernstock, J. B., & Tim, O. (2009). Implications of Habermas's "theory of communicative action" for corporate brand management. An international journal, Vol. 4, No. 4, pp. 389-403.
- Kerr, C. (2001). The Uses of the university; Cambridge, MA: Harvard University Press.
- Loet, L. (2012). The Triple Helix of University-Industry-Government relations University of Amsterdam. Amsterdam School of Communication Research (ASCoR).
- Malone, T. W., & Crowston, K. (1990). What is coordination theory and how can it help design cooperative work systems? In: Proceedings of CSCW'90 - Conference on computer- supported cooperative work, Los Angeles, California, United States of America, 357-370.
- Martin, P. (2009). Communicative Action's Democratic Deficit: A Critique of Habermas's Contribution to Democratic Theory. International Journal of Communication 3 (2009), 825-852.
- Marzban, F., Ayanzadeh, R. & Marzban, P. (2014). Discrete time dynamic neural networks for predicting chaotic time series. Artif.Intell.,(In Press).
- McQuaid, R. W. & Lindsay, C. (2005). 'The concept of employability'. Urban Studies Vol. 42, No. 2, pp. 197-219.
- Mona, K. (2014). Employment, employability and higher education in India: The missing links. Higher Education for the Future, SAGE stateations.
- Nabi, G. R. & Bagley, D. (1999). Graduates' perceptions of transferable skills and future career preparation in the UK. Education and Training, 41 (4) 184 193.

- Nanayakkara, G. (1985). Culture and Management in Sri Lanka, Postgraduate Institute of Management. University of Sri Jeyawerdenapura.
- Nanayakkara, G. (1998). 50 years development of Management studies in modern Sri Lanka. Postgraduate Institute of Management. University of Sri Jeyawerdenapura.
- Nandasena, T. (2015). Management Guide for University Employees (Part I). Eastern University, Sri Lanka.
- Nawaratne, S. J. (2012). Shifting paradigms of higher education in Sri Lanka. Re-creating and repositioning of Sri Lankan Universities to meet emerging opportunities and challenges in a globalized environment, Workshop Proceedings. New German Critique, http://www.jstor.org/stable/488273.
- Opatha, H. H. D. N. P. (2013). Toward A Sound Performance Appraisal System: An Agenda for Action. Sri Lanka Journal of Human Resources Management, 04 (01) 62-77.
- Perera, E. R. K. & Perera, A. N. F. (2009). Employment Status of Graduates from the University of Wayamba. (Unpublished).
- Pinikahana, J. (2011). Unemployment among Graduates and the Responsibility of our Universities. Melbourne.
- Power, M. & Laughlin, R. (1992). Critical Theory and Accounting, in M. Alversson & H. Willmott (Eds). Critical Management Studies, SAGE Publications, 113-135.
- Punch, F. K. (2010). Introduction to Social Research Quantitative and Qualitative Approaches, (2<sup>nd</sup>edi). Sage publication.
- Rasmussen, P. (2007). Learning and Communicative Rationality; The Contribution of Jürgen Hagerman, Working papers on learning 6. Department of Education, Learning and Philosophy. Alborg University.
- Raza, S. A. & Naqvi, S. A. (2011). Quality of Pakistani University Graduates as Perceived by Employers: Implications for Faculty Development. Journal of Quality and Technology Management, VII(I), 57-72.
- Readings Bill. (1999). The University in Ruins. Harvard University Press, Cambridge, England.
- Rodrigo, C. (1994). Structural Reform and Labour Market, 1977-92: Sri Lankan Case Study'. Social Dimension of Economic Reforms in Asia, New Delhi.
- Ryan, S. E. (2009). Academic Business: Tensions between academic values and corporatisation of Australian higher education in graduate schools of business. A Dissertation for the degree of Doctor of Philosophy. University of Sydney. Australia.
- Ryan, S. Neumann, R. and Guthrie, J. (2008) Interdisciplinarily in Management Education: Australian Graduate Schools of Business, paper presented at the Irish Academy of Management Conference (IAM), Dublin, Ireland, September, 3-5.
- Senarath, C. (2012). Issue of graduate employment in Sri Lanka. A study based on the concept of education mismatch with special reference for management graduates. unpublished master's thesis, University of Colombo, Colombo.

- Sharmila, G., (2013). Freeing free education in Sri Lanka. Asian education and development studies 2 (1) 34-52 Emerald group publishing Limited.
- Shujaat, F. et, al. (2009). Educational and Qualificational Mismatches: Non Monetary Consequence in Pakistan, European Journal of Social Sciences. 9(2), 275-291.
- Siyambalapitiya, S. B. (2005). Higher Education in Sri Lanka: Need for a Change in attitudes. Sri Lanka Journal of Educational Research, National Institute of Education, Sri Lanka, 9(1) 33 44
- Taylor, F. (1947). The Principles of Scientific Management, New York, Harper & Raw.
- Tharamaseelan, N., (2007). Tertiary Education in Sri Lanka; Issues and Challenges. Bulgarian Journal of science and Education Policy (BJSEP). 1(1) 173-190.
- Varsavsky, C., Matthews, K. E., & Hodgson, Y. (2014). Perceptions of Science Graduating Students on their Learning Gains. International Journal of Science Education.
- Waranapala, W. (2009). Higher Education Policy in Sri Lanka; New Perspective and change. Yapa Publication.
- Weigand, H. (2013). Communicative Spheres Towards a Localized Theory of Communicative Action. Proc. ICISO 2013, Stockholm, March 2013.
- Weligamag, S. & Siengthai, S., (2003). Employer needs and graduate skills: The gap between employers' expectations and job expectations of Sri Lankan University graduates. 9<sup>th</sup> International Conference on Sri Lanka Studies. Paper submitted.
- Wickramasinghe, V. (2010). Graduates, University lecturers and employers' perceptions towards employability skills. Education and Training 52 (3) 226-244, Emerald group publishing Limited.
- World Bank discussion paper series. (2012). Sri Lanka as an education hub for international students: The road ahead. South Asia: Human development unit. Report No. 50.
- Yin, R. K. (2014). Case study Research, Design and Methods. Sage Publication.(5<sup>th</sup>edi) . York: M. E. Sharpe, Inc.

Reproduced with permission of copyright owner. Further reproduction prohibited without permission.

