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Research Paper

Lacks of End-State Human Skills of the Adolescent Learners: PerspectiveEnglish Version Institutions

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ABSTRACT: The current study is an approach to unveil an empirical querylooking forward to finding outthe lacks of human skills in theAdolescent students after SSC of English version institutions under Secondary and Intermediate Education Board, Dinajpur in Bangladesh. There were 50 students as participants in the process of the study. A factorial design of $2 \times 2 \times 2$ was applied that covered the background category including 2 varieties of learners from XI and XII class, 2 types of gender male and female as well as the 2 backgroundparticipants hailing from urban and rural areas.In fact, it had to go over the study on the lacks of human skills of the 16-19 year old students at the end state after passing their SSC examination. Four lacks of human skillsin the areas of a.health hazard awareness b. stranger dealings awareness c. cyber security awareness and d. legal awareness were found largely. These four problems related with mentioned 10 categories at ANOVA were significant that students from rural background were more vulnerable with these lacunas as compared to the students of urban areas. The findings of this research work were interpreted in theview of intimate literatures. The research work took place during the years of 2021 and 2022. It happened to conclude that investigated lacks of human skills could be overcome by adequate-uninterrupted motivations and guidance by trinity approach and mentoring. Besides, offering and launching programsas directives in connection to the issues must have eradicated these drawbacks of the adolescent learners as entitled. Moreover, patronizing exclusive measures by state education policy, institutional management, parenting and cooperative association of the mentors could remove these lacks from the above adolescent learners of the English version institutionsunder Secondary and Higher Secondary Education Board, Dinajpur in Bangladesh.

KEYWORDS: Lacks, Human Skills, End State, English Version, Bangladesh

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I. INTRODUCTION

1.1 History

The term End State refers to a certain level that indicates some outcomes in regards to some earlier courses or procedures outlined with definite contents or equipment for a particular or designated group of people. A human being is born with some innate ideas that are called human instincts. Since the birth of a baby, it requires to infuse some human skills and intangible qualities into it looking forward to making a resourceful individual for universal well-being. In course of time, this development strengthens honor and respect towards humanity. In fact, this stable development promotes realization and cross-cultural understanding along with the end state human skills and intangible senses amongst certain groups of people, community and nations irrespectively diversities of religion, race, caste, colors throughout the globe.

1.2Worldwide Concern

Barnesemphasized The Importance of Human Skills. Retrieved from https://ivypanda.com/essays/theimportance-of-human-skills/ 1/3/2020,there was revealed the soft skills measuring leadership necessary the managers in corporate organizations. https://corporatefinanceinstitute.com/resources/careers/softskills/management-skills/, 10/16/19, There had been shown the linkage between leadership theories and skills required for the successful managers.

http://www.technofunc.com/index.php/leadership-skills2/leadership-theories/item/katz-s-three-skill-approach, 1/3/2020

Bass J.K.; Bornemann T.H.; Burkey M; Chehil; Chen L; Copeland J.R.M.; Eaton W.W.; Ganju V.; Hayward E.; Hock R.S.; Kidwai R.; Kolappa K.; Lee P.T.; Minas H.; Or F.; Raviola G.J.; Saraceno B.; Hock R.S.; Or F.; Kolappa K.; Burkey M.D.; Surkan P.J.; Eaton demonstrated a new resolution for global mental health. Lancet2012. 379 (9824): 1367-1368.

Boot C.R.; Vonk P.; Meijman F.J. appraised for health-related profiles of study delay in university students in the Netherlands. Intl. J. of Adolescent Medicine and Health 2007. 19(4): 413-424.

http://www.yourarticlelibrary.com/management/manager/skills-of-a-successful-manager/99660,1/3/2020,

https://bizfluent.com/13366843/definition-of-low-morale, 1/5/20 referred thatthe importance of human skills is indescribable in the process of managerial executions.

The end state had been vehemently emphasized over the following links: https://bizfluent.com/info-8242858-importance-humanskills-management.html,1/3/2020. The requirement of skills for employment is a must. https://blog.vantagecircle.com/8-top-employee-retentionfactors/, 1/4/2020.

There had been depicted about the human skills required for effective administration. https://en.wikipedia.org/wiki/People_skills, 10/16/19, https://hbr.org/1974/09/skills-of-an-effective-administrator, 1/3/2020.

Human Skills Management had firmly been discussed in these following links: https://study.com/academy/lesson/what-are-human-skills-inmanagement-definition-lesson-quiz.html,10/16/19, https://work.iza.org/articles/bosses-matter-the-effects-ofmanagers-on-workers-performance/long,1/4/20 as well as https://workology.com/most-important-human-skills-intodays-workplace/,10/16/19.

https://worktango.com/2019/10/24/performanceproductivity/,1/5/20 represents managerial skills are next to entrepreneurial skills. https://www.entrepreneurshipinabox.com/202/managerialskills/, 1/3/2020.

Interactions and impacts of managers bring about revolutionary change in a contextual platform.https://www.interact-intranet.com/blog/the-impact-ofmanagers/,1/4/2020.

Management works for administration. https://www.managementjournal.info/index.php/IJAME/artic le/viewFile/233/222,1/4/2020. There remained the need of occupying human skills for effective management. https://www.managementstudyhq.com/levels-ofmanagement-and-functions.html.

Human Skills are subject-matters for youth employment and professionalism. https://www.youthemployment.org.uk/young-professionaltraining/teamwork-skills-young-professional/,

10/17/19 Katz, L. 1955. Skills of an Effective Administrator. Harvard Business Review 33: 33-42. Adalbjornsson, C.F.,

Fischman, M.G., &Rudisill, M.E. (2008) revealed that the end-state comfort affected in young children. Research Quarterly for Exercise and Sport, 79, 36–41. Elliot, C.D., Murray, D.J., & Pearson, L.S. (1983) referred to British abilities scales.

Windsor: NFER Nelson.Fischman, M.G. (1997) End-state creates comfort in object manipulation. Research Quarterly for Exercise and Sport, 19, A-60.

Herbort, O., &Butz, M.V. (2011). Habitual and goal-directed factors in (everyday) object handling. Journal of Experimental Brain Research, 213, 371–382. doi:10.1007/s00221-011-2787-8.

Pariat M.L.; Rynjah M.A.; Joplin M.; Kharjana M.G. disclosed the stress levels of college students: interrelationship between stressors and coping strategies. IOSR J. of Humanities and Social Science 2014. 18(8): 40-46. Azad S.M.A.K. Self-reported psychological problems in children and adolescents. 3rd Bangladesh Clinical Psychology Conference, Bangladesh, 2011; 53.

Khan N.Z.; Ferdous S.; Isla R.; Sultana A.; Durkin M.; McConachie indicated Behavior problems in young children in rural Bangladesh. J. Trop. Pediatr. 2008. 55(3): 177-182. However, Bashar M.K.; Khan N.M.; Uddin M.J.; Khan talked for prevalence of mental disorders, mental retardation, epilepsy and substance abuse in children. Bang. J. Psychiatry 2009. 23(1): 1-54.

Mathers C.; Fat D.M.; Boerma composed after the global burden of disease: 2004 update. 2008. Geneva WHO Press.Kolbe presentedAn essential strategy to improve the health and education of Americans. Preventive Medicine 1993. 22(4): 544-560.

Pritchard M.E.; Wilson showed the Use of emotional and social factors to predict student success. Journal of College Student Development 2003. 44(1): 18-28.

National Institute of Mental Health and Hospital (Bangladesh), WHO Bangladesh stood for Prevalence, mental care, awareness and attitude towards mental illness of Bangladesh. 2007. 1-27.

Smit assessedmental health problems among students. Management, Policy analysis, Entrepreneurship in Health and Life Sciences 2015. VRIJE University Amsterdam.

Stewart-Brown S.; Evans J.; Patterson J.; Peterson S.; Doll H.; Balding J.; Regis indicated to The health of students in institutes of higher education: an important and neglected public health problem? Journal of Public Health 2000. 22(4): 492-499.

Scharoun, S.M., &Bryden, P.J. (2013) combined the development of end- and beginning-state comfort in a cup manipulation task. Journal of Developmental Psychobiology. Advance online publication. doi: 10.1002/dev.21108.

Symons C.W.; Cinelli B.; James T.C.; Groff P. bridged between student health risks and academic achievement through comprehensive school health programs. Journal of School Health 1997. 67(6): 220-227.

1.3 End State Human Skills

There are a number of soft and high end-state human skills like- Social mannerism, communication and computing skills, travelling management, individual health hazard management, critical thinking and stranger dealings, self-protection and prevention from cybercrime, human rights and basic legal awareness, security awareness, co-curricular skills (cultural, games and sports), academic progression and career.

1.4 Parenting and Motivations

Educating children in the teaching and learning process is a trinity effort like a three wheeled vehicle. Children are grown and brought up through imitations around their environment. Parents are a pivotal part of this process. Good parenting depends on ideals of the society and community. Rituals and manners with social practices are subject to implementation in parenting. Parents hailing from trained trend can guide their children accordingly maintaining social values and tangible skills. Besides, uninterrupted motivations and back up on part of elderly ones like, seniors, social responsible persons, relatives, teachers or mentors can energize the process of acquiring human tangible and intangible potentials.

II. MATERIALS AND METHODS

.The lacks of the above human skills among adolescents of English version institutions were peculiar since they were quite devoid of interest and environment to learn these skills. Even they were remaining busy with unnecessary tasks due to the absence of proper parenting and guidance from their parents and mentors. Thus, they were supposed to get addicted to cyber activities and committing cybercrimes unknowingly.

2.1 Participants

To collect data, there were 50 adolescent learners selected from 2 English version institutions namely Cantonment Public school & College, Saidpur Cantonment and The Millennium Stars School & College, Rangpur Cantonment under Secondary and Intermediate Education Board, Dinajpur in Bangladesh for this inquest work. A closed ended questionnaire was setto utilize in the process of data collection. The qualitative-survey method applied for data collection was very reasonable and effective for the unbiased assessment.

Table 1:Factorial design applied for data collection

Class	Male+ Female	Urban+ Rural	Remark
XI (25)	12+13	12+13	The selected 50 learners were randomly categorized
XII (25)	13+12	13+12	according to the factorial design for data collection.
Total (50)	50	50	

2.2 Quality Appreciation

10parameters were set to collect responses from the selected 50 English version adolescent pupils belonging to the 2 entitled English version institutions as mentioned above. The uncovered lacks of human skills were detected of the XI & XII class pupils as males-females, and urban-rural groupsvariably in the process.

2.3 Instrument

The Checklist (MSR-2021),Lacks of Human Skills, was applied to gather data. The scale contained 10 items which were fixed on the basis of close-ended scale. The learners were requested to respond to the questions as designed in the questionnaire without consulting anyone. They were also assured that their responses to the questions would be kept strictly confidential and would be used for research purpose only. Correlation and ANOVA were ensured in data interpretation.

Table-2: Scale of Measuring (MSR-2021) the Lacks of Human Skills at End State of SSC in three groups

	Male/Female XI Class/XII Class Urban/Rural				
S1	Parameters	Practiced	Partially	Potentially	Never
No.			Practiced	practiced	Practiced
1	Social Mannerism				
2	Communication and Computing Skills				
3	Travelling Management				
4	Individual Health Hazard Management				
5	Critical Thinking and Stranger dealings				

6	Self-Protection and Prevention from cyber crime		
7	Human Rights and Basic Legal Awareness		
8	Security Awareness		
9	Co-curricular Skills (Cultural, Games & Sports)		
10	Academic Progression and Career		

III. RESULTS

This study was based on 50English version intermediate adolescent learners from Cantonment Public School & College, Saidpurand The Millennium Stars School & College, Rangpurunder Secondary and Higher Secondary Education Board, Dinajpur in Bangladesh belonging age from 16-19 years. Out of 50 students, the highest lack was found in health hazard management and cyber security awareness at48% amongrural students. Again, out of total 76% of them, lack of health hazard skill was prevalent among 40% female; Lack of legalawareness was the lowestat 26% in urban students and highest at 42% in rural background students. Lack in dealing strangers was detected in the highest percentage among female studentsat 42% hailing from rural background. The participants disclosed that they could not share their problems with their parents, friends and teachers. These lacks are too concerning for them that can further increase their problems. At present, this globe is very contesting. Nowadays both the males and females are to rushalways to overcome such problems and to reach themselves in a desired career position. After all, Lack of skill in cyber security was noticed higher in female students. Moreover, this wasapparent that female XI class rural students were at the back in all these end-state skills. There was lack of legal awareness in females and this was higher in XI class rural students. Rural students hardly knew about their duties and legal rights. Their knowledge was very poor on legal activities. As a result, they suffered from indecision and dilemma (Table-3).

Table-3. Four Lacks of Human Skills at the end state of English Version SSC Passed Students

Category	Lack in	Lack in Stranger	Lack in Cyber Security	Lack of Legal	
	Health Hazard Awareness	Dealings	Awareness	Awareness	
XI (25)	50	50	50	50	
XII (25)					
Male (25)	18	16	19	16	
Female (25)	20	21	23	18	
Urban (25)	14	14	18	13	
Rural (25)	24	23	24	21	
Total Students (50)	38/ 76%	37/74%	42/84%	34/68%	

IV. DISCUSSION

In our society there are a lot of encouraging and discouraging factors which are related with several Lacks of human skills. In adolescent stage we should observe the abnormality in students. In this case, parents may play a role on injecting psychological lesson.

A. Social Mannerism

Social Mannerism indicates some basic rituals and etiquettes expected to follow and execute mandatorily by a learner in a certain level. Social Mannerism stands for the sense about how to talk to the elders and how to talk to the youngers, manners while talking or chatting over cell phones, using e-mails, dress out-fit in various occasions and places, customs and etiquettes during meals and parties, greetings and behaviors in different situations, specially, in one stop shopping mall, manners in library. The above basic atmospheric manners supposed to retain by a particular learner in his or her professional duration as end state development.

B. Communication and Computing Skill

Communication Skills and Computing Skills are complementary to each other. Starting from studying home or abroad, international communication irrespectively language, culture, border and community or for mutual beneficial relationship like business, career, livelihood and operating entrepreneurship, information and communication technology related skills and literacy bring about added advantage for learners. Communication skills link both oral and written. Oral communication skills also include language skills. They are-pronunciation, debate, group discussion, extempore speech, free speech or public presentation, complementary expression, recitation etc. whilst written communication skills are- free hand writing like paragraph, essay, letter, application, e-mail, summary, spelling and vocabulary development, story writing etc.

C. Travelling Management:

Travelling refers to going on a trip somewhere either by air, bus, ship or train in home or abroad. It is important to have knowledge about managing travel etiquettes and manners before board and post board that relates to ticketing, dress and luggage management. For example, luggage management for going to Dhaka by

air for one day is not as the same as that of going to Dhaka by air in order to stay there for five days. The basic travel management indicates- ticket booking, seat reservation, luggage rules confirming seats and residence, hotel renting and stay, food menu, recreation, additional support and facilities, tips in the hotel, fare and expenditure etc. A conscious knowledge about the above is a pre-requisite as one of the human skills.

D. Individual Health Hazard Management

Health Hazard is a common incident in human life. It requires having knowledge and skills for the management by oneself preliminarily of any type of common health hazard. Major and common health hazards are as follows- sleepless night, drowsiness, headache, stomachache, toothache, frustrating issues, first aided issues, heatstroke, muscles cramming, nose running, nausea, swimming, sneezing, yawning, periodical issue management, diarrhea, dysentery, dehydration, urination etc. An adolescent is narrowly concerned about the above health hazards even many of them do not know how to respond to them. This is needful to raise awareness amongst adolescents of the above health hazards.

E. Critical Thinking and Stranger Dealings

Thinking critically is a common human skill that is apparent in all complex and multi-disciplinary circumstances. Besides, the service providers are to encounter and negotiate critical problems in their workplace very often. These problems do not have single exact answer or they do not come from multiple choices style. Leaners with perfection tend to think identifying problems through making out solutions and alternatives along with exploring latest options when they miss to manage. The capacity of thinking critically enables learners to optimize analytical evaluation, accuracy, credibility and perfection for making exact decision. In addition, handling stranger in unknown situations also bring haphazardness. The skill of dealing with stranger might include- facing stranger in the street, in public places or in quiet places. The expertise of handling stranger tends to critical dealings too. Many a students does not deserve this human skill in our community.

F. Self-Protection and Prevention from Cyber Crime

Nowadays, there take place various types of unexpected issues on cyber, that is, electronic communication networks and virtual reality related devices. This is very much significant to beware about operating and using online social apps pertinent to online media to avoid victimization. Besides, Awareness for self-protection and preventing cybercrime is, no doubt, one of the basic human skills for self-security and safety. It also relates cyber privacy management. The skill of cyber privacy management speaks about the standard of an end state development of a learner in a particular stage.

G. Human Rights and Basic Legal Awareness

All human beings are born free and equal. Every individual is entitled to all the rights and freedoms as per the constitutional declaration. This is important to bring up the sense of human rights and basic laws relating to human being. The end state development of a graduate is tested as follows- knowledge about dealing with law enforcing agencies, basic legal awareness, rights and responsibilities of a citizen, at least how to draft and submit a general diary with the police station etc. Thus, basic legal awareness rectifies one's standard of development.

H. Security Awareness

There comes the question of security, self-esteem and actualization as basic demands apart from food, clothes, shelter, treatment, education and recreation. A lad sleeping in the railway platform does not think of his security that what might happen to him at the time sleeping tonight. Whilst, a man of high heels seemingly always think of his security. Sense of security awareness might be like- awareness regarding fire hazard in home and in public places like, shopping mall, station, terminal, high-rise building etc. Surveillance awareness regards to home, office or in public places, security during journey by air, bus, ship and train. Awareness regarding security strengthens one's end state development firmly.

1. Co-Curricular Skills (Cultural, Games and Sports):

Nature as well as universe expects an individual of perfection and superb conscience. If we think of an adolescent learner, it is spontaneous that he or she should attain minimum presentable co-curricular skills either in the context of culture or in games and sports. Co-curricular skills of an individual include-any outdoor or indoor event of games and sports, attaining least presentable skill in any cultural activity, i.e. holy Quran recitation, poem recitation, extempore speech, topic based speech, debate, group discussion, stage presentation, acting, gardening, photography, dancing, singing songs and music etc. These extra-curricular skills accumulate and energize the entertainment for development.

J. Academic Progression and Career

A student needs to deserve his or her academic skill at last of all human skills. Here, it induces the correlative and compact perfection on courses and course materials of different subjects according to the guidelines of curriculum and syllabus. Thus, it is result oriented by the particular learner in any state. A student should retain the development as the ability towards recognizing and acting on opportunities. Thus, a learner pursues a career.

V. CONCLUSION

How do I expect to see my kid after the pre-primary or primary schooling? Which skills and qualities of a learner after junior secondary or higher secondary level are determined? What should be theendstate development of a graduate or post-graduate hailing from any discipline? Our Learners of different backgrounds are in the essential needs of some fundamental human skills and intangible qualities that are the factors of measuring their standard and end-state development. Apart from academic learning, it is indispensable to master other skills and reference qualities in order to sustain and survive in the challenging globe with a view to enhancing their adaptability, compatibility and readiness for their next international citizenship. The exploration of knowledge and human skills contribute to adding constructive value in their individualism and career. The universal and inevitable human skills for the end state development of our learners are subject to assessment for employability, sustainability and better livelihood in humanitarian prospect.

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REFERENCES

- [1] Barnes, K. 2019. The Importance of Human Skills [Blog post]. Retrieved from
 - https://ivypanda.com/essays/theimportance-of-human-skills/1/3/2020.
- [2] https://bizfluent.com/info-8242858-importance-humanskills-management.html,1/3/2020.
- [3] https://blog.vantagecircle.com/8-top-employee-retentionfactors/,1/4/2020.
- [4] https://corporatefinanceinstitute.com/resources/careers/softskills/management-skills/,10/16/19.
- [5] https://en.wikipedia.org/wiki/People_skills, 10/16/19 https://hbr.org/1974/09/skills-of-an-effective-administrator,1/3/2020https://study.com/academy/lesson/what-are-human-skills-inmanagement-definition-lesson-quiz.html,10/16/19.
- [6] https://www.entrepreneurshipinabox.com/202/managerialskills/, 1/3/2020.
- [7] https://www.interact-intranet.com/blog/the-impact-ofmanagers/, 1/4/2020.
- [8] https://www.managementjournal.info/index.php/IJAME/artic le/viewFile/233/222, 1/4/2020.
- [9] https://www.managementstudyhq.com/levels-ofmanagement-and-functions.html.
- [10] https://www.youthemployment.org.uk/young-professionaltraining/teamwork-skills-young-professional/, 10/17/19 Katz, L. 1955. Skills of an Effective Administrator. Harvard Business Review 33: 33-42.
- [11] Adalbjornsson, C.F., Fischman, M.G., &Rudisill, M.E. (2008). The end-state comfort effect in young children.Research Quarterly for Exercise and Sport, 79, 36–41.
- [12] Elliot, C.D., Murray, D.J., & Pearson, L.S. (1983). British abilities scales. Windsor: NFER Nelson.
- [13] Fischman, M.G. (1997). End-state comfort in object manipulation. Research Quarterly for Exercise and Sport, 19, A-60.
- [14] Herbort, O., &Butz, M.V. (2011). Habitual and goal-directed factors in (everyday) object handling. Journal of Experimental Brain Research, 213, 371–382. doi:10.1007/s00221-011-2787-8
- [15] Pariat M.L.; Rynjah M.A.; Joplin M.; Kharjana M.G. Stress levels of college students: interrelationship between stressors and coping strategies. IOSR J. of Humanities and Social Science 2014. 18(8): 40-46.
- [16] Azad S.M.A.K. Self-reported psychological problems in children and adolescents. 3rd Bangladesh Clinical Psychology Conference, Bangladesh, 2011; 53.
- [17] Scharoun, S.M., &Bryden, P.J. (2013). The development of end- and beginning-state comfort in a cup manipulation task. Journal of Developmental Psychobiology. Advance online publication. doi: 10.1002/dev.21108.
- [18] Bass J.K.; Bornemann T.H.; Burkey M; Chehil; Chen L; Copeland J.R.M.; Eaton W.W.; Ganju V.; Hayward E.; Hock R.S.; Kidwai R.; Kolappa K.; Lee P.T.; Minas H.; Or F.; Raviola G.J.; Saraceno B.; Hock R.S.; Or F.; Kolappa K.; Burkey M.D.; Surkan P.J.; Eaton, W.W. A new resolution for global mental health. Lancet 2012. 379 (9824): 1367-1368.
- [19] Boot C.R.; Vonk P.; Meijman F.J. Health-related profiles of study delay in university students in the Netherlands. Intl. J. of Adolescent Medicine and Health 2007. 19(4): 413-424.
- [20] Khan N.Z.; Ferdous S.; Isla R.; Sultana A.; Durkin M.; McConachie H. Behavior problems in young children in rural Bangladesh. J. Trop. Pediatr. 2008. 55(3): 177-182.
- [21] Bashar M.K.; Khan N.M.; Uddin M.J.; Khan M.Z.R. Prevalence of mental disorders, mental retardation, epilepsy and substance abuse in children. Bang. J. Psychiatry 2009. 23(1): 1-54.
- [22] Mathers C.; Fat D.M.; Boerma J.T. The global burden of disease: 2004 update. 2008. Geneva WHO Press.
- [23] Kolbe L.J. An essential strategy to improve the health and education of Americans. Preventive Medicine 1993. 22(4): 544-560.
- [24] Pritchard M.E.; Wilson G.S. Using emotional and social factors to predict student success. Journal of College Studen Development 2003. 44(1): 18-28.
- [25] National Institute of Mental Health and Hospital (Bangladesh), WHO Bangladesh. 2007. Prevalence, mental care, awareness and attitude towards mental illness of Bangladesh. 2007. 1-27.
- [26] Smit E. Mental health problems among students. Management, Policy analysis, Entrepreneurship in Health and Life Sciences 2015. VRIJE University Amsterdam.
- [27] Stewart-Brown S.; Evans J.; Patterson J.; Peterson S.; Doll H.; Balding J.; Regis D. The health of students in institutes of higher education: an important and neglected public health problem? Journal of Public Health 2000. 22(4): 492-499.
- [28] Symons C.W.; Cinelli B.; James T.C.; Groff P. Bridging student health risks and academic achievement through comprehensive school health programs. Journal of School Health 1997. 67(6): 220-227.