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FROM INTENT TO ACTION – A STUDY REGARDING HIGH SCHOOL STUDENTS' MOTIVATION IN CHOOSING A UNIVERSITY

Cristina-Veronica Partenie*

Bucharest University of Economic Studies, Bucharest, Romania, e-mail: parteniecristina@gmail.com

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Abstract: In the context of an increasing competition among Romanian universities for attracting students, developing a strong brand that appeals to the stakeholders' needs and desires, while incorporating the institutions values and principles, is a desired course of action. A well-structured relatable brand enables future students to identify themselves with an institution and helps them in taking an important decision that could determine the outcome of their future. The present study analyses the factors that high school students consider when choosing to attend a certain university, through a quantitative research performed among 275 high school students from 33 high school institutions in Bucharest, Romania. Result helped classify the most important markers of a reputable university, which universities should consider when building branding programs. At the same time, universities' communication strategies should appeal to values that they share with their targeted audiences in order to increase their attractiveness.

Keywords: university branding, decision-making, student choice, higher education, marketing

JEL Codes: 1230, M30, M370

1. Introduction

The Romanian higher education environment has been impacted in the past 30 years by numerous changes developed by the central authorities, and one major reorganization determined by the implementation of the Bologna process in 1999 (Brătianu, Pop, 2007). But despite a somehow unpredictable environment, one thing has remained constant: the desire of Romanian students to attend a higher education institution, although the main attracting universities have changed positions during the decades (technical studies, economics, medical studies or law).

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^{*} Corresponding author: Cristina-Veronica Partenie. E-mail: parteniecristina@gmail.com



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The preference for public higher education institution has remained constant in Romania, with only a few of private universities being well regarded. However, the number of public higher institutions has been on an ascending trend, with most of them having largely state funded tuitions. This has determined an increased competition among universities in order to attract potential students.

For most of the Romanian students, the decision to attend a university is taken long before the enrolment moment, sometimes in the early years of the high school period. As most Romanian high school students ultimately enrol in a higher education institution, their reasoning remains largely unexplored by researchers. The process though is often stressful (Whitehead, Raffan, Deaney, 2006) as it represents the first major decision that they take in their life and one that might have an important impact on their future career. Understanding the factors involved in making this decision is an important reference for higher education institutions in the process of drafting and transmitting recruitment messages to prospective students, but also in adapting to the expectations of its clients. This paper begins with a definition of the university brand and the identification of its purpose for organizations. Then, the factors described in the literature that influence the decision to choose a university are evaluated. The results of the study on the motivation of choosing a higher education institution developed among the pupils from several high schools in Bucharest are presented below. Finally, some recommendations are sent to universities to address factors considered important by potential students in deciding to enrol in a study program.

2. Literature review

2.1. University branding

In the context of an increasingly competitive education market, university branding has become a constant concern both for practitioners and for theoreticians (Curtis et al., 2009; Hemsley-Brown and Goonawardana, 2007; Naidoo et al., 2014; Stensaker, 2007; Vásquez et al., 2013). A somewhat natural consequence is the need for higher education institutions to present themselves through unique features appreciated by future students. As the survival of a university often depends on the perception of external stakeholders (including students) on the university brand, a better understanding of key stakeholders (students) and their perceptions of the university brand could help guide university marketing and brand managers develop more efficient recruitment materials, invest in advertising plans and overall branding efforts, including positioning the university brand on the global market.

Some researchers believe that branding can be applied in its classical terms to

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higher education institutions (Opoku, et al., 2006), and classic branding functions are fully applied, while others view brands for higher education institutions as more complex and that conventional brand management techniques are inadequate for the sector, being borrowed from the private sector but not necessarily adapted to the characteristics of this market (Maringe, 2005). However, in the recent year's university branding as a research field has experienced a rise in the interest of researchers, with articles being published more frequently on the topic (Chapleo, 2015). The rationale of applying branding programs for higher education institution is the same as for any other organization: delivering a competitive advantage (DeCharnatony and McDonald, 2005). However, in the case of an institution as complex as a university, measuring its quality through its branding dimensions could discount on other important aspects (Jevons, 2006), and due to the fact, that "one has to take into account the needs of relevant linking departments that do not solely have commercially objectives" (Brookes, 2003, p.140).

A well communication branding program can support a consumer in its choice process, as considered by Blumenthal and Bergstrom (2003), generate awareness and recognition among its stakeholders (Chapleo, 2011) and ultimately help their prospective students in the decision-making process (Judson et al., 2006). In addition, universities wishing to create an image appreciated by future prospective students should understand the importance of several organizational and situational factors that can influence the image of universities (Kazoleas, et al., 2001). An analysis of the factors that influence the perceived image of a university can be a complex and complicated process, as they can be difficult to conceptualize and measure. For example, among academia a measurement of a university's quality of educational process is its ranking in one of the renowned university rankings (Davies and Chun, 2008), yet this is of little importance for potential students (Duesterhaus and Duesterhaus, 2014). Despite this difficulty, there are institutions that have mastered the art of branding, such as for example Harvard Business School. Dibb and Simkin (1993) claim that this is because they have managed to create a clear connection with their consumers. However, the discussion on what defines a successful university brand is by far to be concluded. Bunzel (2007) suggest that the evaluation of a successful university brand is the ranking of the institution in any international hierarchy, whereas Bulotaite (2003) considers success to be an "unique communicative identity".

To conclude, although progress has been made in the field of university branding, researches have still to agree on what are the main marketers of a successful university brand. In addition to this, the current theories must be considered at a local level, as special characteristics can apply. This has led the author to explore to what extend different elements influence the perception of a university's brand among Romanian high school students.





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2.2. Factors influencing students' decision-making process

With an increased number of higher education institutions available, students' opportunities to enrol for a study program have increased, this making it more difficult for universities and colleges to access enough potential students and thus funding. This makes an effective and efficient communication across target audiences a mandatory endeavour. Understanding the rationale behind the decision-making process that high-school students undertake when selecting a university would enable a better pairing between student and institution (Pampaloni, 2010).

Faced with a potential life impacting decision, it is understandable that when deciding upon enrolling for a specific program, prospective students do not only that, but also make a commitment for an important period of their lives and careers. It is thus relatable that the decision-making process is a complex one. Different researchers have investigated this process, with various factors proving to be of importance: location (Wright and Kriewal, 1980; Welki and Navratil, 1987; Shank and Beasly, 1998), study program (Erdmann, 1983; Sevier, 1987; Mortimer, 1997; Connor, 1999, Voineagu, Pelău, Serban, 2017), academic reputation (Murphy, 1981; Erdman, 1983; Litten and Hall, 1989; Morrow et al., 1995; Landrum et al., 1998) and employability (Murray et al., 1997). Ivy (2008) ranks seven different factors, from the most important to the least, that high school students consider when choosing a university: study program, reputation, tuition fees, engagement communication from the university, community interaction (academia, staff, students), promotion, and premiums (mixture of various offerings). Other studies have listed the student life and community activities (Pinar et al., 2011) as also playing an important role in the process. In addition to these, there are also interpersonal influences (Pampaloni, 2010) that need to be appraised when evaluating this process. Parents can have a greater influence on this decision as they are the adult figure held in the highest regard by students (Bergerson, 2009; Cabrera and LaNasa 2000; Helwig, 2004; Hossler et al., 1999; Ketterson and Blustein, 1997; Moogan, Baron and Harris, 1999; Otto, 2000; Paulsen, 1990; Rowan-Kenyon, Bell and Perna, 2008; Sachs, 2002; Scott and Daniel, 2001). Other possible influencers are professors (Franklin, 1995; Wasmer et al., 1997; Clarke and Brown, 1998), counsellors (Baker, 2002; Helwig, 2004; Johnson, 2000; Kelpe Kern 2000; Ketterson and Blustein, 1997; Mitchell, 1975) or even friends (Riggs and Lewis, 1990; Fuller et al., 1982; Franklin, 1995).

Perhaps most important to the actual ranking of the factors that the decision comprises of, is the actual purpose for deciding upon attending a university in the first place (Pampaloni, 2010): some students attend a certain program because of



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the career prospects that it offers, while others guide themselves by scholarships offerings or financial aids. Having such a vast value proposition to cover, it is important for universities to target their branding communications to specific audiences, in order to attract the correct category of students.

3. Methodology and empirical data

The purpose of the study was to identify the factors that drive the decision-making process for high school students when selecting what university to enrol for. In order to fulfil this purpose, three main objectives of were established:

- Determining what constitutes in the students' opinion the markers of a reputable university;
- Building a hierarchy of the factors that are important for high school students when choosing a certain university;
- Identifying the influencers that drive the decision-making process for students. A questionnaire was applied on a cohort of 300 high school students from 33 high schools in Bucharest, Romania, and 255 valid responses were received. Age distribution among the respondents was: 6 students aged 15, 81 students aged 16, 172 students aged 17, and 16 students aged 18. Students were asked to rate on a 5-

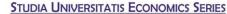
point Likert scale to what extend they agree with several statements (with 1 being "strongly disagree" and 5 being "strongly agree"), the importance of various institutional characteristics, and persons who they might get advice from when selecting a university (1 being ",least important" and 5 being ",most important").

4. Empirical results

The current research has provided 255 valid responses that were analysed using SPSS Statistic Program to calculate the frequency distribution.

The most important aspect of a university that is considered by high school students when choosing a university is the employability rate after graduating. 61.1% of the respondents concluded that the most important aspect when choosing to enrol for a certain university are the perspectives of getting employed in that specific field. This result is good descriptor of the rationale of the decision-making process, as it shows that the main purpose of the Romania future students for attending a specific study program is its employability.









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	Table 1. The university offers me employment options after graduation							
		Frequency	Percent	Valid Percent	Cumulative Percent			
	strongly disagree	4	1.5%	1.5%	1.5%			
	mildly disagree	8	2.9%	2.9%	4.4%			
Valid	neutral	24	8.7%	8.7%	13.1%			
	mildly agree	71	25.8%	25.8%	38.9%			
	strongly agree	168	61.1%	61.1%	100.0%			
Total		275	100.0%	100.0%				
Missing		0	0.0%					
Total		275	100.0%					

Source: author's research

The above result is supported by the second and third most important factors regarded by the respondents as important in the decision-making process, which are: how knowledgeable is the institution with the latest findings in its field, and the fact that the university is able itself to generate knowledge and research.

Table 2. The university generates knowledge in its field

	Table 20 1110 dim versity generates into vicage in its field					
		Frequency	Percent	Valid Percent	Cumulative Percent	
	strongly disagree	1	0.4%	0.4%	0.4%	
	mildly disagree	3	1.1%	1.1%	1.5%	
Valid	neutral	32	11.6%	11.7%	13.1%	
	mildly agree	99	36.0%	36.1%	49.3%	
	strongly agree	139	50.5%	50.7%	100.0%	
Total			99.6%	100.0%		
Missing		1	0.4%			
Total	_	275	100.0%			

Source: author's research

Table 3. The university is up to date with the latest findings in its field

		Frequency	Percent	Valid Percent	Cumulative Percent
	strongly disagree	4	1.5%	1.5%	1.5%
	mildly disagree	4	1.5%	1.5%	2.9%
Valid	neutral	28	10.2%	10.2%	13.1%
	mildly agree	82	29.8%	29.9%	43.1%
	strongly agree	156	56.7%	56.9%	100.0%
Total			99.6%	100.0%	
Missing		1	0.4%		
Total		275	100.0%		

Source: author's research

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The emotional side of the decision-making process is visible in the fourth ranking aspect evaluated by 41.2% of the students as "important": the accordance between the university's values and their own. Both the percent of the result and the ranking on the measurement scale are relevant in this case and should be taken into consideration by universities when communicating to this audience.

Table 4. The university promotes values and principles that are similar to mine

		Frequency	Percent	Valid Percent	Cumulative Percent
	strongly disagree	4	1.5%	1.6%	1.6%
	mildly disagree	13	4.7%	5.1%	6.7%
Valid	neutral	38	13.8%	14.9%	21.6%
	mildly agree	115	41.8%	45.1%	66.7%
	strongly agree	105	38.2%	41.2%	107.8%
Total	Total		100.0%	107.8%	
Missing		0	0.0%		
Total		275	100.0%		

Source: author's research

Although most sources would refer to international rankings when talking about reputation of a university, only 34.5% of the questioned students consider this as an important factor when choosing a certain university. However, it is important to mention that although ranking among the last most important factors, most of the respondents ranked it in the upper part of the measurement scale.

Table 5. The university ranks high in international hierarchies

			Percent	Valid Percent	Cumulative Percent
	strongly disagree	7	2.5%	2.5%	2.5%
	mildly disagree	10	3.6%	3.6%	6.2%
Valid	neutral	72	26.2%	26.2%	32.4%
	mildly agree	91	33.1%	33.1%	65.5%
	strongly agree	95	34.5%	34.5%	100.0%
Total	Total		100.0%	100.0%	
Missing		0	0.0%		
Total		275	100.0%		

Source: author's research

In choosing a university only 23.6% of the respondents consider the possibility to apply for an Erasmus scholarship when choosing a university. This could be explained by the fact that a large proportion of the respondents were not very accustomed with the topic and its implications.









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l'able 6.	The university off	ers me the op	portunity	to apply for an	Erasmus scholarshij
		Frequency	Percent	Valid Percent	Cumulative Percent
	strongly disagree	9	3.3%	3.3%	3.3%
	mildly disagree	21	7.6%	7.7%	11.1%
Valid	neutral	79	28.7%	29.2%	40.2%
	mildly agree	98	35.6%	36.2%	76.4%
	strongly agree	64	23.3%	23.6%	100.0%
Total		271	98.5%	100.0%	
Missing		4	1.5%		
Total		275	100.0%		

Source: author's research

When rating different elements that are regarded in the decision making-process, students once again validate previously provided answers. Thus, 57.4% of the students deem professors' skills in their field as the most important aspect when choosing a university.

Table 7. Professors' skills

		Frequency	Percent	Valid Percent	Cumulative Percent
	strongly disagree	0	0.0%	0.0%	0.0%
	mildly disagree	6	2.2%	2.3%	2.3%
Valid	neutral	18	6.5%	6.8%	9.1%
	mildly agree	88	32.0%	33.5%	42.6%
	strongly agree	151	54.9%	57.4%	100.0%
Total			95.6%	100.0%	
Missing		12	4.4%		
Total			100.0%		

Source: author's research

An important role when deciding is played by the facilities (students were invited to take into consideration libraries, dormitories, buildings or online available resources provided by the institution). Given the fact that most of the reputable higher education institutions in Romania were established more than 100 years ago, some of them experience difficulties in bringing the facilities up to date. One can notice however the students' aspiration to a more modern approach on the material side of studying.





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Table 8. Facilities available at the university (ex. library, dormitories, building, online available resources)

	uvaliable resources)						
		Frequency	Percent	Valid Percent	Cumulative Percent		
	strongly disagree	2	0.7%	0.8%	0.8%		
	mildly disagree	8	2.9%	3.0%	3.8%		
Valid	neutral	22	8.0%	8.4%	12.2%		
	mildly agree	88	32.0%	33.5%	45.6%		
	strongly agree	143	52.0%	54.4%	100.0%		
Total	Total		95.6%	100.0%			
Missing		12	4.4%				
Total		275	100.0%				

Source: author's research

The entertainment possibilities and quality of student life rank third and fourth in importance for the respondents, with 44.1% and 45.6% considering it "important". When analysing these responses, however, it is important to note that as Bucharest is an important higher education centre in Romania and most of the respondents being local, they wouldn't have to consider a disruption in their social lives when moving to universities.

Table 9. Entertainment possibilities (ex. events organized for students, students' organizations)

	organizations)							
		Frequency	Percent	Valid Percent	Cumulative Percent			
	strongly disagree	0	0.0%	0.0%	0.0%			
	mildly disagree	15	5.5%	5.7%	5.7%			
Valid	neutral	51	18.5%	19.4%	25.1%			
	mildly agree	116	42.2%	44.1%	69.2%			
	strongly agree	81	29.5%	30.8%	100.0%			
Total		263	95.6%	100.0%				
Missing		12	4.4%					
Total		275	100.0%					

Source: author's research









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Table 10. Quality of student life

Table 10. Quanty of student me								
		Frequency	Percent	Valid Percent	Cumulative Percent			
	strongly disagree	1	0.4%	0.4%	0.4%			
	mildly disagree	1	0.4%	0.4%	0.8%			
Valid	neutral	43	15.6%	16.5%	17.2%			
	mildly agree	119	43.3%	45.6%	62.8%			
	strongly agree	97	35.3%	37.2%	100.0%			
Total	Total		94.9%	100.0%				
Missing		14	5.1%					
Total		275	100.0%					

Source: author's research

Lastly, although very important in other studies, the cost of attending a university is among the less important factors when choosing a university, as stated by the current study. This is explained by the preference of Romanian students for public higher education institutions, which are to a large extent state funded.

Table 11. Cost of attending a university

		Frequency	Percent	Valid Percent	Cumulative Percent
	strongly disagree	10	3.6%	3.8%	3.8%
	mildly disagree	21	7.6%	8.0%	11.8%
Valid	neutral	65	23.6%	24.8%	36.6%
	mildly agree	88	32.0%	33.6%	70.2%
	strongly agree	78	28.4%	29.8%	100.0%
Total			95.3%	100.0%	
Missing		13	4.7%		
Total		275	100.0%		

Source: author's research

When analysing possible influencers of the decision for attending a university one can observe that the questioned students rely more on their personal judgement, rather than on advice from other persons. Only 32.3% percent of them would appreciate as important the role that esteemed teachers play in taking such a decision, with even less (27%) looking upon their parents' opinion. Not only the adults' opinions are of little importance, but also the one of friends and acquittances, with 21.7% of students considering it "less important".

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Table 12. Parents' influence

		Frequency	Percent	Valid Percent	Cumulative Percent
	not important	23	8.4%	8.7%	8.7%
	less important	34	12.4%	12.9%	21.7%
Valid	SO-SO	83	30.2%	31.6%	53.2%
	important	71	25.8%	27.0%	80.2%
	very important	52	18.9%	19.8%	100.0%
Total		263	95.6%	100.0%	
Missing		12	4.4%		
Total		275	100.0%		

Source: author's research

Table 13. Friends' or acquaintances' influence

Table 13: 111chus of acquaintances influence								
		Frequency	Percent	Valid Percent	Cumulative Percent			
Valid	not important	36	13.1%	13.7%	13.7%			
	less important	76	27.6%	28.9%	42.6%			
	SO-SO	83	30.2%	31.6%	74.1%			
	important	57	20.7%	21.7%	95.8%			
	very important	11	4.0%	4.2%	100.0%			
Total		263	95.6%	100.0%				
Missing		12	4.4%					
Total		275	100.0%					

Source: author's research

Table 14. Professors' influence

Table 14. I Tolessors influence									
		Frequency	Percent	Valid Percent	Cumulative Percent				
Valid	not important	29	10.5%	11.0%	11.0%				
	less important	32	11.6%	12.2%	23.2%				
	SO-SO	85	30.9%	32.3%	55.5%				
	important	85	30.9%	32.3%	87.8%				
	very important	32	11.6%	12.2%	100.0%				
Total		263	95.6%	100.0%					
Missing		12	4.4%						
Total		275	100.0%						

Source: author's research

5. Conclusions and further directions of research

Faced with a decision that will affect their entire life, the questioned student have proven a sound reasoning, that values both rational factors (such as proven excellence in a field, quality of the act of teaching), but also appeals to their moral values, all with little influence from other persons.

Regarding the validation of the objectives of the study, several recommendations





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could be done to universities, in order to better brand themselves to future students. Firstly, as students appreciate the employability rate of the study program, the universities could include in their branding program references to alumni, possible fields of employment, or examples of collaboration with different future employers. When enrolling for a study program, students envision their future career and practical examples could appeal to them and help them relate. The collaboration with different public or private institutions also support the validation of the second most important marker of a reputable institution, in the students' opinion: its ability to stay up to date with the most novel practices in the field.

In order for the students to develop a sense of belonging to a community, universities should organize open days. During such events, different facilities could be presented to the future students, combined at the same time with interactions, preferably in smaller groups to facilitate communication, with professors from the universities. As stated by them in the questionnaire, high school students seek knowledgeable future professors, and such events could help them engage with the academic staff of the institution. Of course, a practical implication needs to be also mentioned, namely that investments and development of the university's facilities have an impact also for future students, not only for the current ones or for the institution's staff. Lastly, more informal events, where high school students can interact with university students could help reveal the extend of the social lives that they could benefit for.

All the above should be included in the branding programs of the university, which should also include reference to values that the university holds in high regard; this will attract students that are compatible with such values. As the present study didn't explore the source from where high school students have gathered their information, this remains a potential future direction of research; this would enable universities to identify the best communication channels for reaching their target audiences.

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Author Contributions

The author conceived the study, carried out the literature review section and was responsible for the design, data collection, data analysis and interpretation.

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The author has no competing financial, professional, or personal interests from other parties.

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