

# Colleges of Education Priorities for the Development of Scientific Research in the Light of Contemporary Challenges and its Relationship with Some Variables and Ways to Improve them

Suleiman Hussein Moussa Al-muzeyen

Associate Professor of Foundations of Education  
Faculty of Education  
Islamic University, Gaza  
Email: *slemanhm [AT] iugaza.edu.ps*

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## ABSTRACT----

- 1.The study aimed to identify the priorities of the College of Education to develop scientific research in the light of contemporary challenges and its relationship with some variables and ways to improve them .
- 2.The study aimed to identify the priorities of the Faculty of Education to develop scientific research in the light of some of the variables from the perspective of students and ways to improve them. The researcher used the descriptive - analytical approach, study sample consisted of (106) graduate students from the Faculty of Education at the Islamic University in Gaza, and Al-Azhar University, The results of the study revealed that :
- 3.The third domain "the development of sources of information such as the Central Library" came in first place with an average account (3.68) and a relative weight of (73.6%) while the second domain "the development of students outcomes for teaching and learning process "came in the second place with an average account (3.62) and relative weight (72.4%), and the first domain," the development of academic staff "ranked third with an average account (3.45) and relative weight of ( 69.0%).
- 4.There is no statistically significant differences between the answers of respondents on their estimates of the priorities of the Faculty of Education for the development of scientific research due to gender .
- 5.There is no statistically significant differences between the answers of respondents on their estimates of the priorities of the Faculty of Education for the development of scientific research due to the variable university .
6. There are significant differences between the answers of respondents on their estimates of the priorities of the Faculty of Education for the development of scientific research due to the variable specialization in favor of the scientific section .

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## 1. INTRODUCTION

The university leadership role is to take care of scientific research in line with the needs of the community in light of the many challenges that went course and direction of scientific research to be within the priorities of what is owned by the elements contribute to the development of human thought and progress community; so it makes sense that correspond mission of the university with the reality and the aspiration of society in the form of realism and functional; given that scientific research tool university scientific constitute kitchen and a beacon of scientific and academic research community in working to steer the community life in all walks of life .

Should colleges of education to initiate a greater role in the light of the challenges that beset the community to take to resolve the issue develop scientific research in all its mechanisms to contribute to the solution of problems and according to the methodology of scientific research so as not to leak weakened to around the community, and to reach the university community to safety and reflected that for many challenges .

The View Finder to the nature of each of these challenges, indicating the priorities of colleges of education in general to do to overcome them and to deal with these problems in order of importance and then had conducted a field study to identify the priorities of colleges of education to develop scientific research in the light of contemporary challenges from the perspective of graduate students in the Faculties of Education Islamic University of Gaza and Al-Azhar University in Gaza .

On the other hand, there is not enough attention to know how you can take advantage of the output and the results of scientific research to develop. Instead, the focus and attention focused on building patterns and pre-existing in the scientific and academic institutions, and not on the design and development of other structures integrated through which conduct scientific activities and technical contribute actively to bring about change required technical in the production sector. The attention was usually focused on resource inputs for research and development, often on those inputs provided by the government and how to increase government support and funding for research and development and distribution to different areas and activities. (Shamsi: 2010, 7)

The study comes from such a sense that what has been written and discussed in the Graduate Research and published in the Journal of Scientific Research Deanship not characterized Balozifah did stems from the needs and problems of society did not stop at this point, but also by scientific research of professors like it came for the purpose of upgrading away from contributing to the provision solutions to the problems of community, while the devastated Palestinian society many of the problems and that grows to serve as major challenges but they did not find it faces have only some professionals and artisans from the public, for example: the siege of economic through the establishment of a series of tunnels hand the Egyptian border, and the idea of using cooking oil Alternatively interruption diesel sector, and the idea of using cooking gas to run cars at break gasoline, and composting organic waste home, and the idea Albaaojaz to provide gas ethylene, and the idea of sterilizing soil with plastic as an alternative to the use of gas because of its adverse health precancerous, it was all the brainchild of did not inform the public research institutions and universities to provide the results of the scientific research community aids in the treatment of these problems, so this study came to know the colleges of education research as a kind of deal with what challenges facing society .

The foregoing should the College of Education to elevate the level of the researcher to do scientific research, and dissemination of knowledge, and discuss the problems facing the labor market in the fields of life different, and work to find effective solutions working to supplement these institutions cadres of graduates to hire their findings to work on community development in all spheres of life. We recall here some of the mechanisms that contribute through colleges of education in promoting scientific faculty members, and graduate students and students in the first degree; as a contract specialist courses for teachers to hone research skills they have such courses statistical analysis, and held lectures on the reality of the research and its problems and aspirations, and conferencing interior and participate with all the supplies paper and electronic and secretarial for scientific research, and the need for the issuance of bulletins and journals and supporting scientific literature, researchers, and invite scientific institutions and supporting the post in the process of scientific research (Mustafa: 2007, p 7).

## **2. PROBLEM OF THE STUDY**

The study tries to answer the following questions:

1. What are the main priorities of colleges of education to the development of scientific research in the light of contemporary greetings from the students' point of view ?
2. Are there any statistically significant differences between the answers of respondents on their estimates of the priorities of the Faculty of Education for the development of scientific research due to the variables (gender, specialization, university) ?
3. What are the approaches that can be followed to promote the priorities of colleges of education for the development of scientific research in the light of contemporary challenges ?

## **3. STUDY HYPOTHESES**

1. There are no statistically significant differences between the answers of respondents on their estimates of the priorities of the Faculty of Education for the development of scientific research due to the variable (gender).

2. There are no statistically significant differences between the answers of respondents on their estimates of the priorities of the Faculty of Education for the development of scientific research due to the variable (specialization).
3. There are no statistically significant differences between the answers of respondents on their estimates of the priorities of the Faculty of Education for the development of scientific research due to the variable ( university).

#### 4. OBJECTIVES OF THE STUDY

The study aims to:

1. Identify the priorities of the College of Education for the development of scientific research in the light of contemporary greetings from the students' perspectives.
2. Identify if there are any statistically significant differences between the answers of respondents on their estimations of the priorities of the Faculty of Education for the development of scientific research due to the variables (gender, specialization, university).
3. Identify ways to improve colleges of education priorities for the development of scientific research in the light of contemporary challenges.

#### 5. THE IMPORTANCE OF THE STUDY

1. The importance of this study lies in the colleges of education issued to its leading role in determining its priorities for the development of scientific research because of its effective impact in the progress and development of nations .
2. Importance of the study lies in the quality of the target group as those who could benefit from :
  - a. University faculties and administrative departments and in particular education colleges .
  - b. Educational institutions and their community planning for scientific programs .
  - c. Scientific research centers and Strategic Studies .
  - d. Graduate students and researchers .

#### 6. THE LIMITS OF THE STUDY

**-Thematic limit:** limited to the study of colleges of education priorities for the development of scientific research in the light of contemporary greetings .

**-Spatial limit:** the provinces of Gaza .

**-Temporal limit:** 2011-2012 .

**-Human limit :** upgraduate students in the faculties of education .

**-Institutional limit:** Islamic University and Al-Azhar University in Gaza .

#### 7. TERMS OF THE STUDY

- **Colleges of education priorities :**

The researcher defined them procedurally as: including what colleges of education initiate to follow up policies to invest all the available possibilities in order to upgrade the level of scientific research at the level of staff academically and administratively as members of the faculty and students as well as service facilities such as the library, research centers and what is available from the policies of community support.

- **Development of scientific research:** The known researcher as all curricular activities and creative exercised by the colleges of education and efforts to increase the balance of scientific knowledge and its applications in practice in the area of improving teacher and learner and possibilities, which covers a wide margin and varied between proposals research and research projects and scientific papers and patents and other.
- **Contemporary Challenges:** The researcher defines contemporary challenges procedurally as: group forces and the difficulties facing Palestinian society in whole or in part to make it in dire need of access to a state of stability at the level of the individual and society with its various institutions searching for appropriate solutions scientific and exists so .

## **8. PREVIOUS STUDIES**

### **1. Khayat Study (1998): the priorities of educational research at the Faculty of Education, Sana'a University, a proposed strategy .**

This study aimed to achieve two main goals, the first is to know the path of educational research in the Faculty of Education at Sanaa University since its inception and the second goal is in the development of project priorities Educational Research, Faculty of Education from the perspective of teachers college guiding researchers educators from professors and graduate students in the college. The researcher used the descriptive analytical method. To achieve these goals, the researcher used Anthrografic interview, and the questionnaire about priorities of educational research as tools of the study and because the study population was limited, the sample of the study included all of it . The findings were as follows:

- The organized, purposeful and based on a clear research strategy to be almost non-existent
- The organized, purposeful and based on a clear research strategy seemed to be almost non-existent
- moving the college in the direction contrary to the activation of Educational Research, especially in the third election cycle .

### **2. Hassan study (2000): entitled outlook for the Egyptian role of colleges of education in the development of university education .**

This study aimed to identify the role of colleges of education in the development of its reality in the development of universities confirmed the need for identification and distinguishing in the philosophy of education colleges and colleges of Arts and Sciences with the need to achieve the teaching profession and provide educational resources in the light of their needs and the importance of coordination between the departments of colleges of education and cooperation with research institutions and production according to the map integrated Research and come eventually need to hire and invest missions and research produced within colleges of education, and the study found the role of colleges of education in the development of universities with the participation of specialists in research and development of university education through :

- Importance of the participation of specialists in the application of modern methods in university administration as an alternative to the old ways .
- Importance of team work as researchers in the field of higher education scientific research skills with precision and depth.

### **3. Qannoua study and others (2005) titled: Scientific research in the Arab world the reality and its role in technology transfer and settlement .**

The study aimed at addressing the reality of Arab scientific research: where there are concentration in research and development efforts in the government centers Arab (universities - research centers), and noted the absence of the role of the private sector in research and development process and its financing, quest Arab Scientific characterized down spending where it there is low spending on scientific research and development under the limiting the universally accepted (1%) of gross national income (GNI) and this leads to a lack of infrastructure needed for research, scientific and low productivity in the Arab world .

They also discussed the factors that brought the Arab community to its current scientific level, and difficulties impeding Arab researcher and limit the production of scientific and most important of these difficulties :

1. Lack of necessary funding .
2. Lack of paying attention in the Arab Investigator
3. Political system
4. The absence of scientific policies and clear strategies .

Finally they reached to some of the proposals that make scientific research active and influential in the various aspects of Arab life .

#### **4. Al-qassas study (2007) entitled: the reality of human development in the economies of Islamic countries .**

The study aimed to clarify the importance of the role of science and scientific research in the preparation of human capital which is the main component in the production and development processes, to answer the following question: What is the status of science and scientific research in Egypt and what challenges it faces? The study is divided into six sections, the first department is education and building human capital, and the second section is interested to move from thinking of learning to learn to think, and the third section seeks to develop and overcome the crisis, and looking The fifth is in the strategies of scientific research, and the sixth displays the status of scientific research and themes, and the seventh predicts future scientific research, the study concluded that the preparation of human capital is one of the most important elements in the development and progress, because it contributes to, the economy and knowledge, and production information, as well as other creative fields and moreover, the study finds that science and scientific research are the real force that directs mechanisms for sustainable development .

### **9. COMMENTARY**

- Previous studies coincided among them in dealing with multi particular important to the progress and improve peoples and nations and the role of scientific research in human development, such as the study of aAl-qassas (2007), and focused on the path of scientific research and its role in the colleges of education as in the study Khayat (1998), or in research centers Scientific whether governmental or private, such as Qannoua study(2005), also showed the role of scientific research in the development of colleges and offered such a study Hassan (2000). The studies used ,as a whole, descriptive analytical method, and study sample included university professors, such as Khayat study (1998) and Hassan study (2000 )
- The current study coincided with previous studies dealt with the subject in general, and the role of colleges of education in the development of scientific research, such as Hassan study (2000) and Khayat a study (1998 ) .
- The current study is characterized from previous studies in dealing with the subject, but in exceptional circumstances under many of the challenges that devastated Palestinian society, and what characterized the study sample consisted of up graduate students in the colleges of education and represented the study as a form of comparison made at two universities and finally addressed the study. Three of the priorities of the College of Education, such as the development of academic staff, and students as outputs to the teaching and learning process, and the development of information sources such as the Central Library, and thus completed the circle as the basis for the development of scientific research.

### **10. LITERATURE REVIEW**

#### **Priorities of the scientific research :**

priorities for scientific research and development of convictions decision-makers in the political and cultural and intellectual context, and depends on the sensitivity of the needs and respond to the aspirations and keep pace with ambitions, and we must bear in mind that any activity of research and development must contribute to the achievement and consolidation of national security, to achieve economic and social development, and community development , to cut the budget deficit, and workforce development, transfer and dissemination of knowledge, and to provide and promote services and products of different sectors and propose projects for future research and studies whose findings are applicable. (Shamsi: 2010, 14 ).

World priorities for scientific research in the Arab world :

There is no point to certain specific in the Arab world can be referenced in determining priorities for scientific research or development, does not change these priorities seem to change data development and industrial change and technological in the region and the world, and a lot of research and graduate programs that we see discussed or published locally address traditional topics do not have a direct return on the development process in the region .

The absence of the responsible committee for determining these priorities, the finally a group of researchers from King Abdul Aziz City for Science and Technology field study lengthy to identify research priorities for the Gulf Cooperation Council (GCC), and took place during the meeting, they discussed issues related to national policy for science and technology in Saudi Arabia, particularly in relation to basically your fourth strategic priorities of scientific research in terms of curriculum work, and the current status of the research, and the principles and criteria adopted, and proposed programs and projects for the eighth five-year plan for development .

The study concluded determine (150) theme of the general topics considered one of the priorities of scientific research joint high importance GCC in areas fourteen a meeting, the economy, building and construction, architecture and planning, the environment, education, biodiversity and biotechnology, public health, energy, agricultural Sciences, water sources, human resources and information technology, oil and gas, transportation and safety, industry, and Islamic rituals, and promising opportunities, and develop mechanisms and methodologies for scientific research. (Shamsi: 2010, 13).

## **11. CHALLENGES FACING THE SCIENTIFIC RESEARCH IN PALESTINE**

Under the new changes that we live in the context of globalization in all its dimensions cultural, political and economic, and possesses the tools and means of technological, the Palestinian society, like in other environments, it has become susceptible to influences many reflected undoubtedly thought, behavior and values and contributes to the formation of personal sons largely can be summarized Foremost among these challenges are and their effects on the Palestinian scientific research, such as: (lawlessness, extremism intellectual, intellectual terrorism, the siege on Gaza, the political divide, the war on Gaza, and moral crisis and the lack of human cadre (...)

And can classify previous challenges as challenges of Palestinian dress in particular has been experienced by other communities, although there are many other challenges facing the scientific research in many communities so Researcher will have some kind of detail as follows :

### **1. Lawlessness:**

he condition expressed by the pre-military resolution to the Gaza Strip from the chaos and lack of security - which stretched between receipt of the Hamas government took office in the West Bank and Gaza to be simplified Hamas security control on all provinces of Gaza - ending any security presence to the elements and militias open, which in turn formed the major source of security chaos and domestic disputes, prompting the university represented at the Faculty of Education to discuss the phenomenon and reduce both hold study days and seminars, lectures and workshops relevant.

### **2. Extremism intellectual:**

It is intended researcher overstepping the limit and excessive veneration in word and deed, belief and cramping misplaced a phenomenon community emerged in Palestinian society recently because of the state of Palestinian society is normal in the political, economic, social and security has appeared on several forms, including what is social Kaltant in treatment Some phenomena community and some use of force to impose treatment from the point of view in the strange case of intolerance opinion away from the compatibility with the in social environment and considered it a challenge coincided on the treatment of security institutions and academic through workshops, conferences and scientific studies, lectures and debates and lessons hortatory aimed to spread the meaning of moderation.

### **3. Gaza blockade:**

a blockade economic, political and social, intellectual, cultural and health Morse on Palestinian society with the beginnings of Hamas won a majority in the Palestinian Legislative Council elections and going to form a government faced siege international economic comprehensive goal to overthrow Hamas rule over pitting people out because they cause in their suffering economic He considered a challenge to the Palestinian state is placed in the face of decision-makers at both the formal and non-formal initiation in reducing the consequences at all levels and by all means and possibilities. (Al-Hayat newspaper (2005,12,5) ).

#### **4. Political division:**

This is a case of lack of social consensus seemed after the extension of Hamas influence all over the governorates of Gaza was in the presence of a central polarization between Hamas and Fateh representative in the governments of Gaza and Ramallah, respectively, leading to a rupture in the social fabric Palestinian escalated pace on several Images of civil disobedience in all service sectors began the security services and the latest health sector and education, there was no communication between universities in the two parts of the country there posts in scientific conferences Oaloam school nor committees report curricula or workshops mandated But all this did not prevent communication even minimum through the means of communication closed Caldaúrth television - video conferencing - and online programs .

#### **5. War on Gaza:**

A form of ablation to Hamas government in Gaza which has failed in the previous attempts for compromising the ability of the government and the stability of the people and the rallying around the lack of readiness of the occupation to renew the truce. As a result of tension followed the occupation attack that military received from the Palestinian police and the 22-day decimated the land and rights (Arabs 48 website, 2005.9.18) This hampered actually scientific research including the right of harm at the psychological, social and health and all levels; however, colleges of education did not stop at this point but considered a blatant challenge to and Israeli arrogance led by an institution educational to face the effects of the war in several events including the school day to discuss effects of war on the children of Gaza and many others.

#### **6. Moral crisis:**

It is a state of vulgarity in social behavior and moral seemed manifestly in clothing, appearance and social relations represented a serious form of deviation in word and deed the result of several reasons, including lack of religious faith as well as cultural heritage great over the decades which was considered a challenge societal pay official institutions in the community to work through means academic and research, and have of influences and community relations and meanings moral crisis facing the research: scientific integrity as entrusted some people in the absence of vigilance conscience to steal others' efforts and ascribes to himself and thus may withhold himself intellectually and claimed not to have falsely and calumny .

#### **7. Lack of staff:**

College of Education contribute through several projects in realizing the benefits directly and indirectly, in addition to helping in the care of research beneficial direct to the Palestinian community, it provides indirect benefits is to improve the level and increase the number of human cadre efficient and consolidate meanings steadfastness and firmness on the map World .

## **12. COLLEGES OF EDUCATION PRIORITIES IN THE DEVELOPMENT OF SCIENTIFIC RESEARCH**

To face these challenges the colleges of education put some priorities for the development of scientific research in the light of those the challenges experienced by Palestinian society, so it was on the University as a leading institution different faculties and specifically leading colleges of education humanities .

And working on the development of scientific research in the university through scientific process policies at all levels can be addressed through what is done by the researcher to conduct interviews with faculty members in the faculties of education and are as follows :

So the researcher through interviews with professors and specialists to prioritize education colleges, through which seeks to develop scientific research and represent the most important are as follows :

1. Develop academically and administratively Level .
2. Students for output to the teaching and learning process .
3. Development of a private university facilities central library and the services and facilities that contribute to the college provided to the students .

To achieve priorities former contributed to the College of Education since its inception in the development of scientific research effectively and other aspects of multiple as follows:

### **1. Attract educational staff of prestigious universities in the Regional Ocean:**

Deliberately College of Education since its inception to improve academic staff whether through polarization of overseas assignment which is available from of Arabic staff and international universities who formed the nucleus for the beginning of the march of the Faculty of Education University, which contributed to the graduation of many graduate students and this in turn contributed to the upgrading of the level of performance in universities, colleges and schools and community-based institutions in the outcome became scientific research community culture.

### **2. Upgrade programs :**

According to graduate programs at upgrading academic staff for postgraduate of importance in the development of scientific research educationally college as availability program teaching entrusted to professors college, as well as allow for the supervision of the scientific students and discussing which increases the capacity of teachers scientific and research, and is the start of a graduate program, Faculty of Education in the following disciplines: (pedagogy and curricula and teaching methods and psychological counseling and psychology branches different) Right Start and sound development of scientific research, especially in light of the availability of a vision or a map of research College seeks to achieve within the context of academic comprehensive making college bear in mind the study impediments achieve their goals, whether material or moral or logistical as well as develop the capacities of the teaching staff of the scientific and research a set of courses that help them to acquire the skills and knowledge necessary to carry out its pioneering teacher and supervisor and discussing participants in scientific conferences and study days, workshops, seminars and lectures in various topics especially those that are in the light of the existing educational challenges at the university. (Graduate Studies at the Islamic University: 2006, p 1).

### **3. Scholarships for teachers :**

Consistently with the policy of the university to develop the academic staff Faculty of Education proceeded to solve the problem of shortage of the scientific and educational staff. The available option was to send teachers to get masters and doctoral degrees to various universities around the world to represent intellectually and scientifically tributary for the university from different scientific environments to compete with international universities and through a special scholarship system and actually College of Education succeeded in the rehabilitation of academic staff in other departments.

### **4. Educational Research at the college of Education:**

The scientific research is one of the most important objectives of the College of Education and the most important priorities as a means construction, preparation and qualification of academic staff, that's by considering the professor's not only limited to teaching, but also there's share of a research attention as a requirement to study the courses as well as accompany the process of graduation with research to graduate because of scientific research through College of Education has an important function provides the society with results and solutions to the problems suffered by the community institutions. (Al-azhar University website 2011).

It is worth saying that scientific research is compatible with peaceful policies away from marginalization like being confined to education without taking into account creativity thanand this will make it lose its value as a means to raise the level of ambition of the College of Education, which is working to provide a qualified staff who are able to manufacture generation to suit the desired requirements.

### **5. Seminars:**

College of Education contributes in promoting the mission ofthe scientific research through adoption seminar each academic department initiated a faculty statement results scientific study or brief them on the results of his visit to a university in order to develop the capacities of academic staff in the area of what has been displayed seminars this chapter, for example, the two education mini and strategies of university education in the light of a public education strategy of the Ministry of Education and Higher Education are available for teachers to improve their abilities in the classroom. (Window Scientific Research: The Islamic University, 2010).

### **6. Conferences :**

The Faculty of Education holds scientific conferences at a rate of one conference in one- academic year alternating between the two universities or by participation where it was agreed that a series of scientific conferences via the draft

comprehensive training goal of developing academic staff, Faculty of Education in several Palestinian universities where it received turnout qualitatively from researchers inside and outside Palestine included many papers revised by the Scientific Committee, and included in the proceedings of the conference and this, in turn, goes back to college many benefits for academic staff and students, researchers and academic departments, scientific institutions and social .

In another context, colleges of education encourage academic staff to participate in educational conferences, regional and global, to achieve professional growth and development and benefit performance in the field of scientific research through the cross-fertilization of ideas and look at the experiences of others. The university bears the costs of travel and accommodation for the participants. National Center for the development of academic and vocational teachers .  
(Window scientific research: the Islamic University, 2010).

#### **7. Study days:**

College of Education embarks in coordination with the scientific research to hold school days in the terms of reference of the three rate school days each year on the problem of course which is agreed upon and thus form a preparatory committee which will prepare for this day within the college and outside across several correspondence to ensure the participation the largest of the academic staff in preparation for the best results through scientific papers presented and this in turn is one of the tributaries of the development of scientific research (Al-azhar University Website: 2011).

#### **8. Workshops:**

College of Education proceeds to hold a number of workshops on a regular basis for multiple purposes to develop members, professionals, academic staff and research capacities and to add improvements to the graduate programs in line with the adoption of new policies and programs in order to just connect with sources of information via video conference for the development of new academic programs in college in preparation for submission to the adoption of the accreditation and quality commission. Everybody knows that this effort has an impact over the activation of the educational environment code which makes faculty members live evolution and development as a culture of community through possessing the necessary skills (Al-azhar University, 2011).

#### **9. Scientific courses:**

The Faculty of Education adopted several courses which is mostly funded through higher education both internally and externally to improve the performance of faculty members across acquiring many skills teaching and research, as well as communication skills with the students in normal and the exceptional circumstances through e-learning and pages of teachers. (teaching aids: a project to developing the practical aspects in the leader's preparation in colleges of education in the Palestinian universities in Gaza Strip: 2010).

#### **10. Magazines:**

The Research Department, Faculty of Education supports and edits the scientific researches on various topics of educational, professors in the Faculty of Education published their research in the Journal of the university magazine in different educational specializations in all programs with the encouragement of Scientific Research Deanship offering multiple facilities such as reducing publication fees by half. The journal is published twice each year. (Journal of the Islamic University of Gaza series Humanities, provided p. 3)

Professors contribute in the College of Education contribute revising the scientific research, at the local level as well as on the Arab and international level

Consistent and basic resea .(Olwan:2008,7)

#### **11. Scientific promotion:**

Believing in the value of the academic staff and its role in the study process successfully colleges of education seek to take advantage of the system upgrade in place at the university, if it is decided in the department by the College Board that university professor. Papers are ready then the file is sent to the Deanship of Scientific Research, which in turn communicates with the Commission of promotions abroad to distribute research on the arbitrators in order to assess and communicate with the university administration in the evaluation of doing the necessary work and deal with the professor, according to the new place, where the consequent burden of teaching is given to allow him to devote himself to scientific research.(Graduate Studies and Scientific Research, Al-Azhar University of Gaza 2012).

In addition, college of education stipulates introducing two papers to be promoted from teacher to lecturer, or lecturer to assistant professor in the interest of the college to promote a culture of scientific research and the system in place in the colleges of education in most Palestinian universities. (Website for Scientific Research Deanship University Alasalamahgzh: 2012).

## **12. Sabbatical :**

It is available for professors to develop their abilities and potential scientific and research where the statute at the university grants the teacher university sabbatical for a year with payment in full financial dues on the condition that he must advance a vision for what he intends to accomplish in the research studies during the year. In this context the teacher and the university, college and other university students and researchers will get the benefit of the scientific research (Olwan: 2008, 8).

## **13. The Islamic University Research Grant:**

Colleges of education give the university a grant through coordination with the Deanship of Scientific Research, providing grants to fund research as a form of encouragement to teachers. The university urge researchers to develop their abilities in various fields and increase their scientific and intellectual capacities and then provide the scientific library with more manifestation of creativity qualitative and multifaceted. Therefore the university decided to adopt an annual grant to support scientific research for faculty, and invested the College of Education this step reneged to encourage teachers so keen to improve academic staff and thus encourage a culture of scientific research which will be benefit and interest to students and researchers .

## **14. Scientific Research Award:**

It is an annual award offered by the university for faculty on their full production during a specific time period and divided the award into three sections (humanitarian – natural- religious) of \$ 1500 U.S. dollars for each section. The university started this award from the beginning of 2005, then in 2007, it supported scientific research with students in the amount of (\$ 20,000) annually and the university is looking to adopt a new system to support the graduation projects and scientific research in the Palestinian universities. (Window scientific research: the Islamic University, 2010) . For this and that colleges of education operate on spreading the culture of scientific research among students (BA - Graduate) and teachers in the service of science and scientists, society and institutions related to scientific research. (Olwan: 2008, p 8).

## **13. PRACTICAL ASPECTS DEVELOPMENT PROJECT AT THE COLLEGES IN THE PALESTINIAN UNIVERSITIES IN THE GAZA STRIP**

Proceeding from the desire of colleges of education in the development of the performance of teachers in Palestine because of its impact in raising the levels of student achievement in general and to the low performance of teachers because of the low level of practical experience and the technical graduates of colleges of education and a continuation of the efforts to improve the quality of the teacher and improve expertise and practical experience and appropriate technical quantitatively and qualitatively, idea for this project came to plague the following objectives :

1. Enhance the practical side in the academic plans to teacher preparation programs in the faculties of participating universities (Islamic University - Al-Azhar - the maximum ) .
2. Develop practical skills and abilities of students in technology education courses, teaching methods and teaching skills and Measurement and Evaluation and the following disciplines area teacher (Arabic language, science, English, mathematics ) .
3. Students` acquiring parametric production and design skills of teaching aids .
4. Develop the capacity of faculty at the Faculty of Education to keep pace with innovations and educational and technical developments .
5. Strengthening cooperation with the Ministry of Education and the International Relief Agency through exchange of experiences and the development of learning resource centers at universities involved in the project .

**The target groups were as follows :**

1. Colleges of education professors at the three universities (Islamic Al-Azhar and Al-Aqsa ).
2. Graduates of colleges of education in universities Palestinian in Gaza and teaching staff and technical education colleges Palestinian universities in the Gaza Strip .
3. Institutions that cooperate with universities (schools and the Ministry of Education and Relief Agency International and private schools .(
4. Parents of the students .
5. The local community and groups collegiality .

(Project to develop the practical aspects of colleges of education in the Palestinian universities in Gaza Strip: 2010)

## 14. STUDY PROCEDURES

**Study methodology :**

The researcher used the descriptive analytical method which tries to describe and assess the reality of "priorities colleges of education to develop scientific research in the light of contemporary challenges and its relationship with some variables and ways to improve it," The descriptive analytical method tries to compare and explain the results to arrive to meaningful generalizations increases the stock of knowledge on the subject .

The researcher used two main sources of information :

1. **Secondary sources:** They include the books and references Arab and foreign-related, journals and articles and reports, and research and previous studies that addressed the issue of the study, research and reading in various Internet sites .
2. **Primary sources:** to address the analytical aspects of the research topic, the researcher resorted to primary data collection through the questionnaire as a major tool for research, specifically designed for this purpose, and distributed to graduate students at the Islamic University, and Al-Azhar University in Gaza .

**Population and the study sample:**

The study population consisted of graduate students in the Palestinian universities "Islamic University, Al-Azhar University" in Gaza Strip .

The researcher used the random sampling method, a pilot sample included (30) students to test the internal consistency and stability of the questionnaire. After confirming the validity and integrity of resolution and suitability of the test. (110) questionnaire were distributed on the study sample and (106) questionnaire were obtained (106) questionnaire at a rate of (96.3% ).

**Statistical description of the study sample according to the characteristics and personality traits :**

The following is a sample of the study according to the characteristics and personality traits

-The distribution of respondents by Gender

**Table (1): Gender**

Gender	Number	Percentage
Male	46	43.4%
Female	60	56.6%
Total	106	100%

Table shows (1) that the rate of (43.4%) of the study sample were males and (56.6%) are female .

The distribution of respondents by specialty

**Table (2): Specialization**

Specialization	Number	Percentage
Foundations of Education	33	31.1%
Curricula and teaching methods	45	42.5%
Psychology	28	26.4%
Total	106	100%

Shown in Table (2) to (31.1%) of respondents are specialists in the field of pedagogy, and (42.5%) of Curriculum and Instruction, and that there was (26.4%) of respondents from the psychology specialization .

-The distribution of the sample study by the University of

**Table (3): University**

University	Number	Percentage
The Islamic university	71	67.0 %
Al-azhar	35	33.0 %
Total	106	100

As shown in Table (3) about (67.0%) of respondents are studying at the Islamic University, and (33.0%) of respondents are studying at Al-Azhar University .

### **Study tool :**

A questionnaire has been prepared on the "priorities of colleges of education to the development of scientific research in the light of contemporary challenges and its relationship with some variables and ways to improve them "

The questionnaire study consisted of two main parts :

#### **Section I:**

It is a personality effectors

(Gender, scientific specialization, University)

#### **Section II:**

It is a field of study . The questionnaire consists of 40 items distributed on three key areas :

##### **The first area:**

The development of academic staff consists of (16) paragraph

##### **The second area:**

At the level developing students for output to the teaching and learning process and consists of (13) paragraph

##### **The third area:**

At the level of the development of information sources such as the Central Library and it consists of (11) paragraph

Note: There was not any exclusion to any paragraph of the following paragraphs as a result of the pilot sample .

I have been using Likert scale to measure the responses of the respondents to the questionnaire on a schedule paragraphs (1 :)

**Table (4): Likert scale degrees**

Respond	very	few	small	medium	large
Class	1	2	3	4	5

Researcher chose class (1) to respond "very few" and thus the relative weight in this case is 20%, which is commensurate with this response .

**The questionnaire validity:**

The researcher checked the veracity of the questionnaire in two ways :

**1. Validity :**

View Finder questionnaire on a group of judges consisted of 5 specialists in education researcher has responded to the views of the arbitrators and the conduct necessary to edit and delete in the light of the proposals made, and it came out the questionnaire in its final form .

- **Scale validity :**

**First: the internal consistency of Internal Validity:**

Sincerely meant the internal consistency of the consistency of each paragraph of the questionnaire with the domain that belongs to this paragraph, the researcher calculates the internal consistency of the questionnaire through calculating the correlation coefficients between each paragraph of the questionnaire areas and the total score of the field itself .

**Second: Structure Validity:**

Structural validity is one of the measures approved tool that measures the extent to which the objectives that you want the tool to reach, and shows how each area of study primarily college to paragraphs questionnaire .

**2. Reliability :**

Intended steadily questionnaire to give this questionnaire the same result if the redistribution questionnaire more than once under the same circumstances and conditions, or in other words that the stability of the questionnaire means stability in the results of the questionnaire and not change significantly as if it were re-distributed to the members of the sample several times during the intervals certain .

**First: the results of the internal consistency:**

**Table (5 )**

Correlation coefficient between each paragraph of the first domain and the total score of the field

n	Paragraph	Correlation Spearman Coefficient	the probability value (Sig.)
1	Holding meetings to develop the scientific expertise to discuss students researches in a public debate.	*0.628	0,000
2	Provide training courses to acquire the skill of statistical analysis .	*0.746	0.000
3	Encouraged to master the skill of research in Web.	*0.744	0.000
4	Hold courses to improve the research skills to supervise the students.	*0.794	0.000
5	An open competition is Required to be passed for the college appointment	*0.444	0.000
6	Hold seminars to discuss what the scientific research faces of challenges and solutions	*0.687	0.000
7	Organizes scientific conferences to provide scientific solutions to the social problems	*0.733	0.000
8	Establish workshops to solicit the views of the researchers in front of the social challenges	*0.688	0.000
9	Encourage the participation in the presence of a number of the scientific conferences	*0.718	0,001
10	Two papers in specialization are required to supervise the students	*0.393	0.000
11	An opportunity is provided to compete for the prize of the scientific research annually	*0.594	0.000
12	The study plans occur in line with the local market needs	*0.737	0,007
13	Opportunities are available to provide scholarships for students	0.805	0.224
14	Reward the winner researchers by the scientific awards locally	*0.751	0.008
15	Evaluate the competitions for the best scientific research	*0.691	0.000
16	Curriculum development in accordance with the contemporary challenges	*0.679	0.006

\*The correlation is statistically significant at the level of significance ( $0.01 \leq \alpha$ .)

**Table (6)**

Correlation coefficient between each paragraph of the second area and the total score of the field

<b>N</b>	<b>Paragraph</b>	<b>Spearman Coefficient</b>	<b>the probability value (Sig.)</b>
<b>1</b>	Commissioning them to prepare methodological research for each course of study.	3.97	0.281
<b>2</b>	Provides an opportunity to compete on the best scientific study on the department level	3.37	0.609
<b>3</b>	Nominate students to participate in international competitions	2.98	0.713
<b>4</b>	getting a master's degree is required to provide a supplementary search	3.76	0.503
<b>5</b>	Provide advice to students while completing the research by the professors of the college	3.86	0.560
<b>6</b>	Allow students to work as assistants to the researchers by agreed fare	2.88	0.444
<b>7</b>	Appoint a supervisor to follow the researchers periodically	3.36	0.651
<b>8</b>	Asked an independent course of study in the scientific research weighing three hours studying	3.97	0.440
<b>9</b>	Add a course in the search hall rehearsing the mechanism outline of the study design	3.99	0.651
<b>10</b>	Allow the student to discuss a plan of the study in a public committee	4.13	0.445
<b>11</b>	Enlists students in the master's program through quality standards	3.66	0.590
<b>12</b>	Train on the skill of statistical analysis	3.49	0.629
<b>13</b>	Require periodic meeting between the student and the supervisor	3.60	0.676

\*The correlation is not statistically significant at the level of significance ( $0.05 \leq \alpha$ ) in all the paragraphs.

**Table (7)**

Correlation coefficient between each paragraph of the third area and the total score of the field

N	Paragraph	Spearman Coefficient	the probability value (Sig.)
1	Provide the necessary magazines and the scientific journals	*0.771	0.000
2	Provide a special section for the scientific researches	*0.626	0.000
3	Provide quality library includes books and sources	*0.715	0.000
4	Share in the sites and global research engines	*0.807	0.000
5	Technical services to help getting the information easily	*0.807	0.000
6	Providing global classifications are available for easily use of information	*0.850	0.000
7	Provide students with research links through their participation to the Internet	*0.830	0.000
8	Providing trained office staff to help researchers	*0.716	0.000
9	Provide the necessary information and research sources as a condition for the adoption of the course	*0.803	0.000
10	Provides the scientific journals and the scientific research for the students	*0.767	0.000
11	Provide computer sets to facilitate the electronic search process for information	*0.686	0.000

\*The correlation is statistically significant at the level of significance ( $0.01 \leq \alpha$ .)

**Table (7)**

which shows that the correlation coefficients indicated a function at the level of moral  $0.01 = \alpha$  and so the field is honest to put the measure .

### Second: structural honesty Structure Validity

Structural validity is one of the measures approved tool that measures the extent to which the objectives that you want the tool to reach, and shows how each area of study primarily college to paragraphs questionnaire .

**Table (8)**

Correlation coefficient between each grade every area of the questionnaire and the total score of the questionnaire .

N	Paragraph	Spearman Coefficient	the probability value (Sig.)
1	The development of the academic staff	*0.878	0,000
2	On the level of the students' development as the teaching and learning process output	*0.868	0.000
3	On the level of the information sources development such as the Central Library and ...	*0.883	0,000

\*The correlation is statistically significant at the level of significance ( $0.01 \leq \alpha$ .)

• **Stability questionnaire Reliability :**

Intended steadily questionnaire to give this questionnaire the same result if the redistribution questionnaire more than once under the same circumstances and conditions, or in other words that the stability of the questionnaire means stability in the results of the questionnaire and not change significantly as if it were re-distributed to the members of the sample several times during the intervals certain .

Researcher has achieved stability of the questionnaire study by Cronbach's alpha coefficient method as follows :

**Cronbach's alpha coefficient Cronbach's Alpha Coefficient :**

The researcher used Cronbach's alpha method for measuring the stability of the questionnaire, and the results were as shown in Table (9).

**Table (9)**

Shows Cronbach's alpha test results to measure the stability of the questionnaire  
M area Cronbach alpha coefficient

<b>The domain</b>	<b>Cronbach's alpha coefficient</b>
The Development of the academic staff	0.922
on the level of the students development as the teaching and learning process output "	0.814
in terms of the development of the information sources such as the Central Library and ...	0.928
the total score for the questionnaire " education colleges' priorities for the scientific research development "	0.950

It is clear from the results shown in Table (9) that the value of the Cronbach alpha coefficient was high for each domain and range between (0.922, 0.928) for each area of the questionnaire. As well as the value of coefficient alpha for all the paragraphs of the questionnaire was (0.950) and this means that the reliability coefficient is high, and the questionnaire in its final available for distribution. Thus, the researcher may be sure of the validity and reliability of questionnaire study, making it confident health questionnaire and suitability to analyze the results and to answer the questions of the study and testing of hypotheses .

**Statistical methods used in the research :**

1. Percentages and frequencies, and SMA relative: This command uses primarily for the purposes of knowledge repeat variable categories According to the researcher, in the description of the study sample .
2. Correlation coefficient Spearman (Spearman Correlation Coefficient) to measure the degree of correlation. This test is used to study the relationship between the variables in the case of nonparametric data .
3. Signal test (Sign Test) to see if the average degree of response has reached a degree of neutrality, a 3 or not .
4. Test Mann - Whitney Mann-Whitney Test)) to see if there were statistically significant differences between the two sets of data ordinal .

**Test hypotheses :**

To test hypotheses of the study has been the use of non-parametric tests (test signal, Mann - Whitney and Kruskal test - Wallace). These tests are appropriate in the case of ordinal data, as the Likert scale used in the study is measure Tertibia .

To test hypotheses using the reference test, for example, to see if the average (median) degree answer is equal to a certain value and in the case of ordinal data or data that do not follow a normal distribution. In this case is the following statistical hypothesis testing :

**Null hypothesis :**

That the average test score answer is equal to 3, a degree of neutrality by Likert scale user .

**The alternative hypothesis :**

The average score answer is not equal to (3).

If Sig. (P-value) is greater than the significance level ( $0.05 \leq \alpha$ ) (According to the results program SPSS) it cannot be rejected null hypothesis and in this case the average views of respondents on the phenomenon under study is not fundamentally different from the degree of neutrality which (3), but if Sig. (P-value) is less than the significance level ( $0.05 \leq \alpha$ ) are rejected null hypothesis and accept the alternative hypothesis that the average views of respondents fundamentally different from the degree of neutrality, and in this case could determine whether the average answer increased or decreased significantly from the degree of neutrality; through value If the reference test positive means is that the arithmetic mean of the answer over the degree of neutrality and vice versa .

**Domains of the study:**

The first domain : "the development of the academic staff"

To answer the first question" what are the priorities of the Education colleges for the development of the scientific research in the light of the contemporary challenges?

**Table (10)**

The arithmetic average and the probability value (Sig.) for each domain of study

N	Paragraph	The arithmetic average	The relative arithmetic average	rank	value of the test	the probability value (Sig.)
1	The development of the academic staff	3.45	69.0	3	*4.92	0,000
2	On the level of the students' development as the teaching and learning process output	3.62	72.4	2	*6.10	0.000
3	On the level of the information sources development such as the Central Library and ...	3.68	73.6	1	*5.57	0,000

The arithmetic average is statistically significant at the level of significance ( $0.01 \leq \alpha$ ).

**From table (10) the following results can be drawn:**

- one of the priorities of the education colleges for the development of the scientific research from the point of view of the students is to develop information sources such as the Central Library " the arithmetic average of the field "in terms of the development of information sources such as the Central Library and ..." Equal to 3.68 that means the relative arithmetic average is (73.6%), the value of signal test is ( 5.57) and the probability value (. Sig) is equal to 0.000 for that this paragraph is statistically significant at the level of significance ( $0.01 \leq \alpha$ ), Which indicates that the average degree of response to this domain has increased the degree of neutrality, and it is 3 and is considered this means that there is approval by the respondents on this field.

And due to the fact that the Central Library and the information sources are in a rapid development to keep pace with knowledge in various fields.

Then one of the priorities from the perspective of students was students' development as the teaching and learning process output" the arithmetic mean of the field "in terms of the students' development as the teaching and learning process output " equals 3.62 that means the relative arithmetic average is (72.4%), the value of signal test is 6.10 and the probability value ( . Sig) is equal to 0.000 for that this paragraph is statistically significant at the level of significance ( $0.01 \leq \alpha$ ), which indicates that the average degree of response to this paragraph has increased the degree of neutrality is 3 and is considered and this means that there is approval by the respondents on this domain .

And this due to what the students experienced the knowledge, values and skills on a daily basis and this is what touches everyone in the league with the beginning of each semester.

Then one of the priorities from the perspective of students was the academic staff development the arithmetic average of the " academic staff development " equals 3.45 that means the relative arithmetic average is 69.0%, the value of signal test is 4.92 and the probability value ( . Sig) is equal to 0.000 .For that this paragraph is statistically significant at ( $0.01 \leq \alpha$ ) which indicates that the average degree of response to this paragraph has increased the degree of neutrality is 3 and is considered and this means that there is approval by the respondents on this domain .

And came in the third place because the students are less aware of its implications for what university staff exposed of evolution in his experience, both the scientific production or participate in training courses, because students are less familiar to what staff is living from the meanings of the professional growth , the matter remains Confined between the staff and faculty.

**Table (11)**

**The arithmetic average and the probability value (Sig.) for each paragraph of the academic staff development**

n	Paragraph	Arithmetic average	The relative arithmetic average	Value of the test	The probability value (Sig.)	Rank
1	Holding meetings to develop the scientific expertise to discuss students researches in a public debate.	3.99	79.8	*6.51	0,000	1
2	Provide training courses to acquire the skill of statistical analysis .	3.55	71.0	*3.82	0.000	3
3	Encouraged to master the skill of research in Web.	3.53	70.6	*4.30	0.000	4
4	Hold courses to improve the research skills to supervise the students.	3.29	. 65.8	**2.44	0.011	14
5	an open competition is Required to be passed for the college appointment	3.37	67.4	*3.27	0.001	9
6	Hold seminars to discuss what the scientific research faces of challenges and solutions	3.33	66.6	*3.37	0.001	11
7	Organizes scientific conferences to provide scientific solutions to the social problems	3.48	69.6	*3.97	0.000	7
8	Establish workshops to solicit the views of the researchers in front of the social challenges	3.28	65.6	**2.51	0.013	15
9	Encourage the participation in the presence of a number of the scientific conferences	3.46	69.2	*3.37	0,001	8
10	two papers in specialization	3.81	76.2	*6.23	0.000	2

	are required to supervise the students					
11	an opportunity is provided to compete for the prize of the scientific research annually	3.52	70.4	*5.03	0.000	5
12	the study plans occur in line with the local market needs	3.31	66.2	*3.09	0,007	13
13	opportunities are available to provide scholarships for students	3.17	63.4	**2.57	0.015	16
14	reward the winner researchers by the scientific awards locally	3.34	66.8	*2.77	0.008	10
15	Evaluate the competitions for the best scientific research	3.49	69.8	*3.92	0.000	6
16	Curriculum development in accordance with the contemporary challenges	3.31	66.2	*2.72	0.006	12
	All domain Paragraphs together	3.45	69.0	*4.92	0,000	

\* The arithmetic average is statistically significant at the level of significance ( $0.01 \leq \alpha$ .)

\*\* The arithmetic average is statistically significant at the level of significance ( $0.05 \leq \alpha$ .)

**From table (11) the two highest paragraphs can be drawn as follows:**

- The arithmetic average of the first paragraph " Holding meetings to develop the scientific expertise to discuss students researches in a public debate" equals 3.99 (total score of 5) that means the relative arithmetic average is (79.8%), the value of test signal is (6.51) and the probability value is (. Sig) equal to 0.000 for that this paragraph is statistically significant at the level of significance ( $0.01 \leq \alpha$ .), which indicates that the average degree of response to this paragraph has increased the degree of neutrality is 3 and is considered and this means that there is approval by the respondents on this paragraph.

And the College's belief of the importance of Seminar for public discussion of the student insight the researcher by the nature of the study plan and show him the mechanisms to answer the questions and assist him in the completion of the study.

- The arithmetic average of paragraph "10 " two papers in specialization are required to supervise the students " equals 3.81 means that the relative arithmetic average is 76.2%, the value of signal test is 6.23 and the probability value (. Sig) is equal to 0.000, for that this paragraph is statistically significant at the level of significance ( $0.01 \leq \alpha$ .), which indicates that the average degree of response to this paragraph has increased the degree of neutrality is 3 and is considered and this means that there is approval by the respondents on this paragraph.

And this is guaranteed by the college of total mastery in the process of supervision through the quality of experience in the field of the scientific research.

**The two lowest paragraphs can be drawn as follows:**

- The arithmetic average of paragraph thirteen " opportunities are available to provide scholarships for students " equals 3.17 that means the relative arithmetic average is 63.4%, the value of signal test is 1.57 and the probability value (. Sig) is equal to 0.015 for that is this paragraph statistically significant at the level of significance ( $0.05 \leq \alpha$ .), which indicates that the average degree of response to this paragraph may tell the degree of neutrality, a 3 and considered, this means that there is approval by the respondents to this paragraph.

And considering that opportunities are rare and are available more for the faculty members.

- The arithmetic average of paragraph eighth " Establish workshops to solicit the views of the researchers in front of the social challenges " equals 3.28 that means the relative arithmetic average is 65.6%, the value of signal test is 2.51 and the probability value (. Sig) is equal to 0.000 for that is this paragraph statistically significant at the level of significance ( $0.01 \leq \alpha$ .), which indicates that the average degree of response to this paragraph may tell the degree of neutrality is 3 and is considered and this means that there is approval by the respondents to this paragraph, and despite the importance of this route ,it rarely happens the researches are the researcher's choice and not in response the challenges of the society with logical of this.

- In general it can be said that the relative arithmetic average to all the domain paragraphs are equal to 69.0%, the value of signal test is 4.92 and the probability value is (. Sig) is equal to 0.000 for that is the "the development of the academic staff" is statistically significant at the level ( $0.01 \leq \alpha$ ), Which indicates that the average degree of response to this domain differs substantially from the degree of neutrality, a 3 and this means that there is approval by the respondents on this domain.

The second domain: "on the level of the students development as the teaching and learning process output "

**Table (12)**

**The arithmetic average and the probability value (Sig.) for each paragraph of the students development as t the teaching and learning process output**

N	Paragraph	Arithmetic average	The relative arithmetic average	Value of the test	The probability value (Sig.)	Rank
1	Commissioning them to prepare methodological research for each course of study.	3.97	79.4	*7.52	0,000	3
2	Provides an opportunity to compete on the best scientific study on the department level	3.37	67.4	*2.88	0,006	10
3	Nominate students to participate in international competitions	2.98	59.6	0.01	0,644	13
4	getting a master's degree is required to provide a supplementary search	3.76	75.2	*5.17	0,000	6
5	Provide advice to students while completing the research by the professors of the college	3.86	77.2	*6.38	0,000	5
6	Allow students to work as assistants to the researchers by agreed fare	2.88	57.6	0.93	0,207	12
7	Appoint a supervisor to follow the researchers periodically	3.36	67.2	*3.32	0,001	11
8	Asked an independent course of study in the scientific research weighing three hours studying	3.97	79.4	*6.87	0,000	3
9	Add a course in the search hall rehearsing the mechanism outline of the study design	3.99	79.8	*6.72	0,000	2
10	Allow the student to discuss a plan of the study in a public committee	4.13	82.6	*8.02	0,000	1
11	Enlists students in the master's program through quality standards	3.66	73.2	*5.53	0,000	7
12	Train on the skill of statistical analysis	3.49	69.8	*4.30	0,000	9
13	Require periodic meeting between the student and the supervisor	3.60	72	*4.81	0,000	8
	All paragraphs axis together	3.62	72.4	*6.10	0,000	

\* The arithmetic average is statistically significant at the level of significance ( $0.01 \leq \alpha$ )

**From table (12) the two highest paragraphs can be drawn as follows:**

- The arithmetic average of paragraph ten " Allow the student to discuss a plan of the study in a public committee " equals 4.13 (total score of 5) that means the relative arithmetic average is (82.6%), the value of signal test is 8.02 and the probability value (. Sig) is equal to 0.000 .so this paragraph is statistically significant at ( $0.01 \leq \alpha$ ) Which indicates that the average degree of response to this paragraph is increased from the degree of neutrality, a 3 and is considered this

means that there is approval by the respondents on this paragraph. And this is acquired right for the student to enable him to prepare a study plan in the presence of his colleagues for interest's prevail.

- The arithmetic average of paragraph ninth " Add a course in the search hall rehearsing the mechanism outline of the study design " is equal to 3.99 (total score of 5) that means the relative arithmetic average is % 79.8, the value signal test is 6.72 and the probability value (. Sig) equals 0.000so this paragraph is statistically significant at  $(0.01 \leq \alpha)$  Which indicates that the average degree of response to this paragraph is increased from the degree of neutrality, a 3 and is considered this means that there is approval by the respondents on this paragraph. considering that course as a student application process the researcher can be able to build a study plan properly.

**The two lowest paragraphs can be drawn as follows:**

The arithmetic average of the sixth paragraph "Allow students to work as assistants to the researchers by agreed fare." Equal to 2.88 that means the relative arithmetic average is 57.6%, the value of signal test 0.93 and the probability value (. Sig) is equal to 0.207 of that is this paragraph is not statistically significant at the level of significance  $(0.05 \leq \alpha)$ , Which indicates that the average degree of response to this paragraph less than the degree of neutrality is 3 and is considered and this means that there is consent to a low degree almost by respondents to this paragraph, and the researcher attribute that they are rare in the Palestinian universities with confirmation of the Deanship of The Scientific Research in the need to take the advantage from the students in the research process in collaboration with the students and placed special price for each hour worked for the student as an assistant researcher.

The arithmetic average of the third paragraph " Nominate students to participate in international competitions." Equal to 2.98 that means the relative arithmetic average is 59.6%, the value of signal test is 0.01 and the probability value (. Sig) is equal to 0,644 . so this paragraph is not statistically significant at the level of significance  $(0.05 \leq \alpha)$ , Which indicates that the average degree of response to this paragraph is less than the degree of neutrality, a 3 is considered and this means that there is a low degree consent almost by respondents to this paragraph. This isn't available as the border and travel restrictions and the difficulty of communicating with international institutions in this context.

In general it can be said that the relative arithmetic average to all the paragraphs of domain equal to 72.4, the value signal test is 6.10 and the probability value (. Sig) equals to 0.000 for that this domain "on the level of the students development as t the teaching and learning process output " is statistically significant at the level  $(0.01 \leq \alpha)$  , which indicates that the average degree of response to this domain differs substantially from the degree of neutrality, a 3 and this means that there is approval by the respondents on this domain.

**The third domain: "in terms of the development of the information sources such as the Central Library and ..."**

**Table (13)**

**The arithmetic average and the probability value (Sig.) for each paragraph of the domain "in terms of the development of the information sources such as the Central Library and ..."**

N	Paragraph	Arithmetic average	The relative arithmetic average	Value of the test	The probability value (Sig.)	Rank
1	Provide the necessary magazines and the scientific journals	3.87	77.4	*6.82	0.000	3
2	Provide a special section for the scientific researches	4.04	80.8	*7.93	0.000	2
3	Provide quality library includes books and sources	4.06	81.2	*7.14	0.000	1
4	share in the sites and global research engines	3.69	73.8	*5.01	0.000	4
5	Technical services to help getting the information easily	3.67	73.4	*4.64	0.000	5
6	Providing global classifications are available for easily use of information	3.54	70.8	*4.27	0.000	9
7	Provide students with research links	3.49	69.8	*3.37	0.000	10

	through their participation to the Internet					
8	Providing trained office staff to help researchers	3.61	72.2	*4.12	0.000	6
9	Provide the necessary information and research sources as a condition for the adoption of the course	3.57	71.4	*4.55	0,000	7
10	provides the scientific journals and the scientific research for the students	3.54	70.8	*4.24	0.000	8
11	Provide computer sets to facilitate the electronic search process for information	3.34	66.8	**2.27	0.022	11
	All paragraphs axis together	3.68	73.6	*5.57	0,000	

\* The arithmetic average is statistically significant at the level of significance ( $0.01 \leq \alpha$ .)

\*\* The arithmetic average is statistically significant at the level of significance ( $0.05 \leq \alpha$ .)

**From table (13) the two highest paragraphs can be drawn as follows:**

- The arithmetic average of the third paragraph " Provide quality library includes books and sources " equals 4.06 (total score of 5) that means the relative arithmetic average is 81.2%, the value of signal test is 7.14 and the probability value (. Sig) is equal to 0.000 for that is this paragraph statistically significant at the level ( $0.01 \leq \alpha$ .), which indicates that the average degree of response to this paragraph has increased the degree of neutrality is 3 and is considered and this means that there is approval by the respondents to this paragraph; because the central library includes the need researcher books, researches, Arab journals and foreign ,in addition to systems and links to recent research.

- The arithmetic average of the second paragraph " Provide a special section for the scientific researches " equals 4.04 (total score of 5) that means the relative arithmetic average is 80.8% value signal test is 7.93 and the probability value (. Sig) is equal to 0.000 for that this paragraph is statistically significant at the level of ( $0.01 \leq \alpha$ .), , which shows that the average degree of response to this paragraph has increased the degree of neutrality is 3 and is considered and this means that there is approval by the respondents to this paragraph, and provide a special section scientific researches whether from students or professors or gifts from other universities. And often are downloaded on the net directly.

**The two lowest paragraphs can be drawn as follows:**

- The arithmetic average of paragraph eleven " Provide computer sets to facilitate the electronic search process for information " equals 3.34 that means the relative arithmetic average is 66.8%, the value of signal test is 2.27 and the probability value (. Sig) is equal to 0.000 for that this paragraph is statistically significant at the level of significance ( $0.05 \leq \alpha$ .), which indicates that the average degree of response to this paragraph may tell the degree of neutrality, a 3 and considered this means that there is approval by the respondents to this paragraph. The university is providing the necessary computer sets to help students to search for appropriate academic titles through a specialist employee.

- The arithmetic average of paragraph seven " Provide students with research links through their participation to the Internet " is equal to 3.49 that means the relative arithmetic average is 69.8%, the value of signal test is 3.37 and the probability value (. Sig) is equal to 0.000 for that this paragraph is statistically significant at the level of significance ( $0.01 \leq \alpha$ .), which indicates that the average degree of response to this paragraph may tell the degree of neutrality, a 3 and considered this means that there is approval by the respondents to this paragraph. Practically University provides research links for workers not provided for students as there is no available subscriptions for it.

- In general it can be said that the relative arithmetic average to all the paragraphs of the field is equal to 73.6%, the value of the test signal is 5.57 and the probability value (. Sig) is equal to 0.000 , so the domain " in terms of the development of the information sources such as the Central Library and ..." is statistically significant at the level of significance ( $0.01 \leq \alpha$ .), which indicates that the average degree of response to this paragraph may tell the degree of neutrality, a 3 and considered this means that there is approval by the respondents to this paragraph.

**The second major Hypothesis:**

There are significant differences between the answers of respondents about their assessment of the education colleges' priorities to develop the scientific research due to the Gender due to the personal characters (Gender , the scientific speciation , the university study ) at the level of significance ( $0.05 \leq \alpha$ .)

"Mann - Whitney" Test was used to know if there are significant differences, the test is not marked and is suitable to compare between two groups of data averages. "Kruskal - Wallace" test was used to know if there are significant differences and this unmarked test is fit to compare 3 or more averages.

**A: There were statistically significant differences between the averages estimates of the study sample to the priorities of the education colleges for the development of the scientific research due to the variable of Gender.**

**Table (14): the results of the second hypothesis**

N	The domain	Value of the test	The probability value (Sig.)
1	The Development of the academic staff	- 1.55	0.121
2	on the level of the students development as the teaching and learning process output "	-1.23	0.217
3	in terms of the development of the information sources such as the Central Library and ...	- 0.77	0.440
4	the total score for the questionnaire " education colleges' priorities for the scientific research development "	- 0.05	0.954

\* The difference between the averages are statistically significant at the level of significance ( $0.05 \leq \alpha$ ).

Table (14) clears that using "Mann - Whitney" test shows that the probability value (Sig.) for all study's domains "Developing the academic staff, on the level of the students development as the teaching and learning process output , in terms of the development of the information sources such as the Central Library and ..."

As well as for the total degree of the questionnaire " education colleges' priorities for the scientific research development " was greater than the significance level and then there are no statistically significant differences between the answers of respondents about the study sample estimates to the education colleges priorities for the scientific research development due to the variable of Gender.

Due to the homogeneity of the course and its relevance to the students without discrimination between them , they are in care and treatment the same.

**B: there are statistically significant differences between the answers of respondents about the study sample estimates to the education colleges priorities for the scientific research development due to the variable of the university.**

**Table (15): the results of the third hypothesis**

N	The domain	Value of the test	The probability value (Sig.)
1	The Development of the academic staff	- 0.62	0.532
2	on the level of the students development as the teaching and learning process output "	-0.77	0.439

3	in terms of the development of the information sources such as the Central Library and ...	-1.01	0.310
4	the total score for the questionnaire "colleges of education priorities for the scientific research development "	-0.52	0.603

\* The difference between the averages are statistically significant at the level of significance ( $0.05 \leq \alpha$ ).

Table (15) clears that using "Mann - Whitney" test shows that the probability value (Sig.) for all study's domains "Developing the academic staff, on the level of the students development as the teaching and learning process output , in terms of the development of the information sources such as the Central Library and ..."

As well as for the total degree of the questionnaire " education colleges priorities for the scientific research development " was greater than the significance level , so the alternative hypothesis can't be accepted and then there are no statistically significant differences between the answers of respondents about the study sample estimates to the education colleges priorities for the scientific research development due to the variable of university.

And this due to the similarity of the programs in terms of name in addition to the fact that programs are approval from one hand, and that is the Accrediting Commission and quality in higher education.

**C: There are statistically significant differences between the answers of respondents about the study sample estimates to the education colleges priorities for the scientific research development due to the variable of the scientific specialization.**

**Table (16): the results of the fourth hypothesis**

N	The domain	Value of the test	Degrees of freedom	The probability value (Sig.)
1	The Development of the academic staff	*10.03	2	0.007
2	on the level of the students development as the teaching and learning process output "	*10.03	2	0.007
3	in terms of the development of the information sources such as the Central Library and ...	5.538	2	0.063
4	the total score for the questionnaire "colleges of education priorities for the scientific research development "	*9.820	2	0.007

\* The difference between the averages are statistically significant at the level of significance( $0.01 \leq \alpha$ ).

Table (16) shows that by using Kruskal - Wallace "shows that the probability value (Sig.) for the third domain" in terms of the development of the information sources, such as the Central Library and ... "was greater than the significance level( $0.05 \leq \alpha$ ) and therefore the null hypothesis cannot be rejected and there were no statistically significant differences between the answers of respondents about the study sample estimates to the education colleges priorities for the scientific research development due to the variable of the scientific specialization.

And this due to the students satisfaction male and female about the types of services offered by the college in all departments and programs alike.

The probability value (Sig.) for each of the "development of academic staff, on the level of the students development as the teaching and learning process output " was less than the significance level ( $0.01 \leq \alpha$ ). and then there are statistically significant differences between the answers of respondents about the study sample estimates concerning the academic staff development as well as on the level of the students development as the teaching and learning process output " due to the variable of the study as well as for the overall degree of questionnaire " Education colleges priorities for the scientific research development "was less than the significance level ( $0.01 \leq \alpha$ ). then the null hypothesis can be reject and there is statistically significant differences between the answers of respondents about the study sample estimates to the education colleges priorities for the scientific research development due to the variable of the scientific specialization.

The scientific specialization owners may have more highest degrees of skills and expertise, enabling them to distinguish university staff as well as more interested in what is available in the university library sources for learning because they are more cautious than others and in addition to what is referred above most of them specializes in specializations related to the scientific branch.

**Table (17): the ranks averages of the fourth hypothesis**

It shows the rank averages of the sample's answers around the sample study estimates to the education colleges priorities for the scientific research development due to the variable of the scientific specialization.

N	The domain	Rank averages		
		Fundamentals of Education	Curricula and teaching methods	Psychology
1	The Development of the academic staff	67.44	46.01	49.11
2	on the level of the students development as the teaching and learning process output "	67.29	48.99	44.50
3	in terms of the development of the information sources such as the Central Library and ...	67.18	44.33	42.33
the total score	the total score for the questionnaire "colleges of education priorities for the scientific research development "	67.21	45.78	49.75

The results which are described Through the test in table (17) shows that for the academic staff development, the average grade for the Fundamentals of Education students' answers was greater than the average level for the curriculum and psychology students and this means that the high degree of approval from the students of psychology.

Concerning the "on the level of the students development as the teaching and learning process output " domain a mid-level rank answers of the psychology students was greater than the average level of the curriculum and psychology students and this means that the high degree of approval from the students of Fundamentals of Education.

Concerning the "on the level of the students development as the teaching and learning process output " domain a mid-level rank answers of Fundamentals of Education students was greater than the average level of the curriculum and psychology students and this means that the high degree of approval from the students of Fundamentals of Education .

Concerning the "education colleges priorities for the scientific research development " domain a mid-level rank answers of Fundamentals of Education students was greater than the average level of the curriculum and psychology students and this means that the high degree of approval from the students of Fundamentals of Education .

## **15. WAYS TO IMPROVE THE PRIORITIES OF THE COLLEGE OF EDUCATION FOR THE DEVELOPMENT OF SCIENTIFIC RESEARCH IN PALESTINE**

The faculty of education is seeking for upgrading its priorities to represent the culture of community with teachers and students alike in line with the Deanship of Scientific Research and research institutions of the relationship and cooperation with local, universities regional and global committees in order to work on the grounds that Dean is an umbrella subsumed beneath colleges of education like the other colleges in the universities in order to achieve the following objectives:

1. To increase the excellent original research production.
2. To enhance the culture and the scientific research practice of the staff at the university.
3. To direct the scientific research of the university to development service and putting solutions for different problems and challenges in Gaza strip.
4. To enhance the culture and the scientific research practice of the students.
5. To save the required expenditures for traveling and professors stay abroad.
6. To assign the staff who got masters by accepting doctoral study for them.
7. To put a condition of introducing two researches and passing five years to transfer from a teacher to a lecturer.
8. To put a condition of promotion for a scientific degree by a research a achievement and passing five years.
9. To direct the scientific research to serve the society and link it with the lived reality.
10. To call makers to benefit from the scientific research results.
11. To contribute in the Palestinian society awareness of the different cases which it cares about through holding conferences, symposiums, school days and lectures.
12. To support the scientific research and supervise editing it to the staff inside and outside the university.
13. To save financial aid for the scientific research inside and outside homeland.
14. To contribute in spreading the thoughts and the Arabic and the Islamic heritage, and transfer the modern scientific thought.
15. To increase the higher scientific ranks in the Palestinian universities.
16. To visit the international book exhibition seeking for saving what is needed from resources and references.
17. To communicate with the interested committees to encourage the teachers to share in the scientific conferences and the debates.
18. To increase the self – interest in the university staff performance in the scientific research after getting the doctoral degree.
19. To save enough the knowledge resources, references, search tools and laboratories, to encourage doing scientific researches.
20. To increase the budget to support researches and the scientific research activities for the different department.
21. To hire specialists for conferences and to save suitable budget for that.
22. To facilitate the researches traveling abroad to achieve their researches and participation in the international conferences.

After all what was mentioned, the mission of the research faculty of education means that it is a mission to build the society and the individuals to highlight the university shares in this approach to achieve its aim mission and vision for the reality and the future, and to take its role between the scientific institutions which is looking forward to its institutions which is looking forward to its role in the social development.

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