





# PROJECT PROFILES 2007

BUILDING A BETTER PALESTINIAN FUTURE

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RESOURCE DEVELOPMENT OFFICE

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# Introduction

This booklet is a compilation of profiles of development projects collected from various Birzeit University (BZU) departments and institutes. The profiles are brief, providing a general view of the projects that need funding. Each profile includes information about the university unit requesting the project and/or its location, the estimated cost of the project, the project's objectives and a general description of the project and its benefits. The list of project profiles is updated annually and is maintained by the Resource Development Office of BZU.

## How to Make a Contribution

If you are interested in funding one or more projects from this list, or have an interest in funding other projects at BZU, please contact the Resource Development Office as per the following contact information:

### **Resource Development Office Birzeit University**

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# Academic Development, Capacity Building, Library, Services

## A1. Faculty of Law & Public Administration – Curriculum Development

<b>Project Title</b>	Faculty of Law & Public Administration - Curriculum Development
<b>Project Code</b>	ACAD/1/2007
<b>Unit / Location</b>	Faculty of Law & Public Administration
<b>Project Objectives</b>	Meet the needs of the Faculty of Law & Public Administration for curriculum development.
<b>Project Summary</b>	<p>The project seeks to develop the curriculum, which is a combination of the Latin legal system and the American / Anglo-Saxon system.</p> <p>Foreign experts will be consulted, and relevant case studies and text books acquired.</p>
<b>Estimated Cost</b>	USD 200,000
<b>Timeframe</b>	12 months.

## A2. Faculty of Law & Public Administration – Teaching Methodology Training

<b>Project Title</b>	Faculty of Law & Public Administration – Teaching Methodology Training
<b>Project Code</b>	ACAD/2/2007
<b>Unit / Location</b>	Faculty of Law & Public Administration
<b>Project Objectives</b>	To improve the faculty’s teaching methodologies and introduce them to the latest teaching approaches.
<b>Project Summary</b>	<p>The project seeks to meet the needs of the Faculty of Law &amp; Public Administration for training on teaching methodology in order to sharpen and enhance the faculty’s teaching methodologies and introduce them to the latest teaching approaches.</p> <p>Foreign and local experts will be hired to do the training.</p>
<b>Estimated Cost</b>	USD 100,000
<b>Timeframe</b>	12 months.

### **A3. Faculty of Law & Public Administration – Acquisition of Books and Journals for Library**

<b>Project Title</b>	Faculty of Law & Public Administration – Acquisition of Books and Journals for Library
<b>Project Code</b>	LIB/1/2007
<b>Unit / Location</b>	Institute of Law Library
<b>Project Objectives</b>	To meet the needs of the Faculty of Law & Public Administration’s library for books, journals, and e-journals.
<b>Project Summary</b>	<p>The project seeks to obtain books, journals, and e-journals, in Arabic and English, for the Institute of Law Library.</p> <p>This acquisition of books and journals will increase resources available to students as well as being a valuable aid for student and faculty research.</p>
<b>Estimated Cost</b>	USD 120,000
<b>Timeframe</b>	As soon as possible.

#### A4. Planning & Development Office – Developing a Costing Policy

<b>Project Title</b>	Planning & Development Office – Developing a Costing Policy
<b>Project Code</b>	CB/1/2007
<b>Unit / Location</b>	University-wide
<b>Project Objectives</b>	Establish and institutionalize a consistent, high-quality costing system for the university that would facilitate decision-making, strategic planning, and effective distribution and use of resources.
<b>Project Summary</b>	<p>This project would involve hiring a Project Manager, a Project Coordinator, a financial management firm, and a business system consultant.</p> <p>Establishing an effective costing system would support:</p> <ul style="list-style-type: none"> <li>a) strategic financial management</li> <li>b) assessment of the costs of teaching and determination of the cost-effectiveness of different methods</li> <li>c) assessment of the cost of research</li> <li>d) understanding the costs of implementing other service activities</li> <li>e) understanding the costs of support activities</li> </ul>
<b>Estimated Cost</b>	USD 112,400
<b>Timeframe</b>	18 months.

## A5. Planning & Development Office – Digitizing Electronic Projections

<b>Project Title</b>	Planning & Development Office – Digitizing Electronic Projections
<b>Project Code</b>	CB/2/2007
<b>Unit / Location</b>	University-wide
<b>Project Objectives</b>	To digitize the prediction system of the university and make it accurate, up-to-date, and easy to access.
<b>Project Summary</b>	<p>The Planning &amp; Development Office lacks a digitized system to prepare predictions about new students that should be admitted per semester, the required faculty members, and other required educational facilities.</p> <p>In addition to providing better data, this would help maintain the institutional memory of the university.</p>
<b>Estimated Cost</b>	USD 72,000
<b>Timeframe</b>	12 months.

## A6. Knowledge Center – Establishment

<b>Project Title</b>	Establishment of Knowledge Center
<b>Project Code</b>	ACAD/3/2007
<b>Unit / Location</b>	Birzeit University campus
<b>Project Objectives</b>	To provide high-quality facilities and services to cultivate innovations, research, and development demanded by the private sector.
<b>Project Summary</b>	<p>The Knowledge Center (KC) would provide concrete benefits and services to knowledge-intensive entrepreneurs and companies in the following areas:</p> <ul style="list-style-type: none"> <li>(a) smart infrastructure,</li> <li>(b) knowledge incubator services,</li> <li>(c) business and knowledge extension,</li> <li>(d) project management, and</li> <li>(e) internships and excellence programs.</li> </ul> <p>The private sector will benefit from the dynamism of a knowledge-intensive industry cluster, as well as the KC tenant and extension services, outsourcing opportunities, access to a highly trained workforce and income generation ideas and activities. The public sector will benefit from skilled civil servants and project partnerships for the benefit of a Palestinian society as a whole. Faculty and students will benefit from a professionally managed linkage with entrepreneurs and corporate entities.</p>
<b>Estimated Cost</b>	USD 9 million
<b>Timeframe</b>	10 years.

## A7. Faculty of Engineering – Integration of Virtual Reality Technology in Education and Research

<b>Project Title</b>	Faculty of Engineering – Integration of Virtual Reality Technology in Education and Research
<b>Project Code</b>	ACAD/4/2007
<b>Unit / Location</b>	Faculty of Engineering
<b>Project Objectives</b>	To design and operate a Virtual Reality (VR) room at Birzeit University that would be used as an educational, training and research tool for the faculty, staff and students, as well as promoting the university's research and studies to official visitors.
<b>Project Summary</b>	<p>The large screen VR theatre with passive stereo and full immersion system is the type that has been found most suitable for the needs of the university. A large screen is typically rear projected by a set of projectors, whereby the users stand or sit in front of the screen and wear some type of glasses (or none at all for smaller size screens), and the objects appear to float in between the screen and the users. True depth is perceived in a realistic manner.</p> <p>VR provides for 3D visualization of scientific data. It is also possible to test future products or to investigate otherwise unreachable environments. Educational exercises have been developed for VR Theatres, such as landscape architecture and city planning, giving the opportunity to walk around in a building or city that has not yet been built.</p> <p>The project will involve international cooperation with the Norwegian University of Life Science (UMB) and especially with Dr. Ramzi Hassan, who is an expert in this field and responsible for the development of a highly advanced VR set up at UMB.</p> <p>Applications would include visualization of landscape and historical sites of Palestine.</p>
<b>Estimated Cost</b>	USD 250,000
<b>Timeframe</b>	1 – 3 years.

## A8. Faculty of Commerce & Economics – Academic Resources & Equipment

<b>Project Title</b>	Academic Resources & Equipment
<b>Project Code</b>	EQUIP/10/2007
<b>Unit / Location</b>	Faculty of Commerce & Economics
<b>Project Objectives</b>	Meet the needs of the Faculty of Commerce & Economics undergraduate students and MBA students by obtaining and making available visual aids, educational tools, computer and other resources.
<b>Project Summary</b>	The project aims to provide the Department of Commerce and Economics with laptops, computers, LCD's, overhead projectors, printers, copiers, a TV set, a video library, funding for ten public lectures, a career day, workshops and seminars, funding for a career advocacy unit and publishing a book. These resources will enhance and enrich the academic experience of the Department students.
<b>Estimated Cost</b>	USD 200,000
<b>Timeframe</b>	As soon as possible.

**A9. Department of Philosophy and Cultural Studies -  
Development of Critical and Constructive Argumentation**

<b>Project Title</b>	Development of Critical and Constructive Argumentation
<b>Project Code</b>	ACAD/5/2007
<b>Unit / Location</b>	Department of Philosophy and Cultural Studies
<b>Project Objectives</b>	To encourage and develop the reading and writing capabilities in addition to the oral capacity of argumentation of BZU students.
<b>Project Summary</b>	<p>The proposed project aims at developing and organizing a series of academic and practical activities that will equip students, from various departments, and various political, national and social movements, with the necessary tools that will enable them to seriously engage in critical reading and writing as well as enhancing their capabilities in oral presentations and other related talents.</p> <p>The project will consist of three phases:</p> <ul style="list-style-type: none"> <li>• Critical reading development,</li> <li>• Critical writing development, and</li> <li>• Oral presentation.</li> </ul> <p>The three phases are integrated with research skills development.</p>
<b>Estimated Cost</b>	USD 30,000
<b>Timeframe</b>	12 months.

## A10. Right to Education Campaign – Documentary Filmmaking

<b>Project Title</b>	Right to Education Campaign – Documentary Filmmaking
<b>Project Code</b>	ACAD/62007/
<b>Unit / Location</b>	Right to Education Campaign, Public Relations Office
<b>Project Objectives</b>	To provide students with the capacity to make short films documenting and revealing the reality of studying under occupation and its effects on their lives and the university.
<b>Project Summary</b>	<p>In addition to its academic excellence, BZU is particularly known locally and internationally for attracting students from all over Palestine and representing a wide section of Palestinian society crossing social divides and geographical localities. Since the Second Intifada, the occupation of the West Bank and Gaza Strip has separated, and in some cases isolated, regions from one another and made access to Birzeit incredibly difficult for most students. Since 2005, there have been no new students from Gaza and in 2004 there was a 100% drop in students from Jenin. Students from Jerusalem have, on average, experienced a 300% increase in their travel time to the university, greatly reducing their study time and obstructing their access to higher education.</p> <p>This project aims to provide students with the means to tell their stories, and that of their university, and provide vital information for pressure groups to use in their work. The project goal is to provide enough evidence to provoke the first ever attendance of the UN Special Rapporteur on Education to the occupied Palestinian territories. The project seeks basic equipment for filming and editing. An example of a student witness piece is available on: <a href="http://www.youtube.com/watch?v=oVu7WjxPAyY">http://www.youtube.com/watch?v=oVu7WjxPAyY</a></p>
<b>Estimated Cost</b>	USD 12,000
<b>Timeframe</b>	2 years.

## A11. Faculty of Arts – Names to Remember: Culture Program Lecture Series

<b>Project Title</b>	Names to Remember: Culture Program Lecture Series
<b>Project Code</b>	ACAD/7/ 2007
<b>Unit / Location</b>	Faculty of Arts
<b>Project Objectives</b>	To introduce the student body primarily, and the university community generally, to Palestinian personalities who have had, and still have, an effect on Palestinian culture, and document and diffuse this knowledge through several mechanisms in order to contribute to establishing a living Palestinian national memory.
<b>Project Summary</b>	The project is comprised of a series of study days convened once a month, and deals with founding Palestinian personalities from the Palestinian collective memory. The study days will be given by specialists in Palestinian history, experts in the fields of literature and culture, history of thought, or innovators in a given cultural field.
<b>Estimated Cost</b>	USD 43,800 yearly
<b>Timeframe</b>	5 Years (starting in 2007 /2008).

## C1. Faculty of Information Technology –Networking Laboratory

<b>Project Title</b>	Faculty of Information Technology – Networking Laboratory
<b>Project Code</b>	EQUIP/1/2007
<b>Unit / Location</b>	Faculty of Information Technology - Computer Systems Engineering Department
<b>Project Objectives</b>	Provide the computer networking laboratory with needed computing equipment to serve the requirements of the Bachelor curriculum. The laboratory will better serve the needs of the computer systems engineering program and the students enrolled in the computer science and electrical engineering programs.
<b>Project Summary</b>	<p>The project seeks to equip the computer networking laboratory through the purchase of computers (desktop and laptop), cables, servers, computer equipment racks, a scanner, and networking-related equipment.</p> <p>The new laboratory will enrich the skills of the students through practical training in development, computer networks use, and new developments in the field. The equipment will meet the needs of more than 100 students annually who enroll in the computer systems engineering program and other majors (computer science and electrical engineering programs).</p> <p>The computer equipment will also be used for short courses for the purpose of providing practical training to engineering students.</p>
<b>Estimated Cost</b>	USD 35,500
<b>Timeframe</b>	As soon as possible.

## C2. Faculty of Information Technology - Computer Laboratory Equipment

<b>Project Title</b>	Faculty of Information Technology - Computer Laboratory Equipment
<b>Project Code</b>	EQUIP/2/2007
<b>Unit / Location</b>	Faculty of Information Technology Science Building Computer Science Department Computer Laboratory, S07
<b>Project Objectives</b>	The project seeks to provide a computer lab in the science building for the benefit of more than 1,000 students who take the COMP121 course each year, a service course for students in the Faculty of Commerce & Economics and the Faculty of Arts.
<b>Project Summary</b>	In addition to benefiting students enrolled in COMP121, this lab would also serve the increasing computer use needs of other students in the university.  The lab will also allow for training courses in computer-related topics to be held in the afternoons or on Sundays for the Computer Science Department students, university or local communities.  The project involves purchasing hardware equipment comprising of 25 computers, 1 LCD projector, 1 network printer, and 25 computer desks.
<b>Estimated Cost</b>	USD 32,500
<b>Timeframe</b>	As soon as possible.

### C3. Faculty of Information Technology – Computer Laboratory Equipment

<b>Project Title</b>	Faculty of Information Technology – Computer Laboratory Equipment
<b>Project Code</b>	EQUIP/15/2007
<b>Unit / Location</b>	Faculty of Information Technology Computer Laboratory
<b>Project Objectives</b>	The project seeks to meet the instruction needs of the Faculty of Information Technology by equipping the Faculty’s laboratory with computers and related equipment and furniture.
<b>Project Summary</b>	<p>The project seeks to purchase computing equipment for the Faculty of Information Technology’s Computer Laboratory.</p> <p>The laboratory will serve 500 students in the Faculty by making available 25 desktop PC’s and 1 laptop, with Internet access, 1 server, 1 router, 1 LCD projector and 1 projection screen.</p> <p>The project also includes the purchase of computer tables and chairs and other related furniture for the lab.</p>
<b>Estimated Cost</b>	USD 50,000
<b>Timeframe</b>	As soon as possible.

#### **C4. Media Department – Computer Laboratory Equipment**

<b>Project Title</b>	Media Department – Computer Laboratory Equipment
<b>Project Code</b>	EQUIP/13/2007
<b>Unit / Location</b>	Media Department
<b>Project Objectives</b>	The project seeks to meet the instruction needs of the Media Department courses and meet the needs of the students for access to computers and new media-related software.
<b>Project Summary</b>	The project seeks to purchase computing equipment for the Media Department laboratories that include computers, printer, and scanner in order to meet the instruction needs for the following courses: Computers for Media Needs, Media Production, Media Lab, and Magazines.
<b>Estimated Cost</b>	USD 26,000
<b>Timeframe</b>	As soon as possible.

## C5. Faculty of Law & Public Administration – Computer Laboratory Equipment

<b>Project Title</b>	Faculty of Law & Public Administration – Computer Laboratory Equipment
<b>Project Code</b>	EQUIP/9/2007
<b>Unit / Location</b>	Faculty of Law & Public Administration
<b>Project Objectives</b>	Meet the needs of the Faculty of Law and Public Administration students by equipping a computer lab to enhance student learning and instruction.
<b>Project Summary</b>	The project seeks to provide the Faculty of Law and Public Administration with a computer lab of 14 desktop computers, 2 laptop computers, 1 copier and 1 printer. This lab will provide the students with needed computing resources that will enhance their academic studies.
<b>Estimated Cost</b>	USD 18,000
<b>Timeframe</b>	As soon as possible.

## C6. Department of Architecture – Computer Laboratory Equipment

<b>Project Title</b>	Department of Architecture – Computer Laboratory Equipment
<b>Project Code</b>	EQUIP/8/2007
<b>Unit / Location</b>	Faculty of Engineering Department of Architecture
<b>Project Objectives</b>	Meet the needs of the Department of Architecture by equipping a specialized computer lab for use by architecture students with computers, computer-related equipment and specialized software.
<b>Project Summary</b>	<p>The project seeks to provide the Department of Architecture’s computer lab with new computers and computer-related equipment for the benefit of the architecture students who require long hours of computer use in addition to specialized architecture design software (such as AutoCAD).</p> <p>This will allow the architecture students to have dedicated computing resources at their disposal instead of using up the computing resources of other computer labs. That will free up more computer resources for the other students at the university.</p>
<b>Estimated Cost</b>	USD 40,500
<b>Timeframe</b>	As soon as possible.

## L1. Virtual Gallery – Screen

<b>Project Title</b>	Virtual Gallery - Screen
<b>Project Code</b>	SERV/1/2007
<b>Unit / Location</b>	Virtual Gallery
<b>Project Objectives</b>	The project seeks to use the screen as a means of communicating with the students, informing the students about university cultural and art activities, transmitting key academic, cultural and sports activities, and providing an opportunity for arts, architecture, and media students to get involved in the area of media and visual cultural publication within the university.
<b>Project Summary</b>	<p>The Virtual Gallery at BZU has been launched successfully as a pioneer initiative whose goal is to present art and culture through an Internet site dedicated to modern visual art, especially Palestinian art.</p> <p>After the success of the Virtual Gallery project, a virtual screen project is proposed for presenting what the Virtual Gallery project has to offer to the BZU community.</p> <p>The project involves having a permanent display screen in one of the main gathering areas of the students. The virtual screen project will involve creating a committee that consists of university administration, the Virtual Gallery Project and the Media Department at BZU, which will decide the mechanism for managing and tracking the information dissemination through the screen.</p>
<b>Estimated Cost</b>	USD 5,000 + \$7,560/year coordinator's salary
<b>Timeframe</b>	As soon as possible.

## L2. Electrical Engineering Department – Laboratories Development

<b>Project Title</b>	Electrical Engineering Department – Laboratories Development
<b>Project Code</b>	EQUIP/3/2007
<b>Unit / Location</b>	Faculty of Engineering – Electrical Engineering Labs
<b>Project Objectives</b>	Meet the academic needs of engineering students by acquiring new equipment for research and teaching purposes in the Electronics and Circuits Lab, the Electrical Machines Lab and Power Electronics Lab.
<b>Project Summary</b>	The project seeks to provide engineering labs with equipment that includes electric circuits training kits, electric machines training systems and accessories (motors, generators, capacitors, and probes), electronic training kits, DC power supplies, function generators and measurement instrumentation.
<b>Estimated Cost</b>	USD 53,560
<b>Timeframe</b>	As soon as possible.

### L3. CEOHS – Equipping Three Laboratories

<b>Project Title</b>	Center for Environmental & Occupational Health Sciences – Equipping Three Laboratories
<b>Project Code</b>	EQUIP/11/2007
<b>Unit / Location</b>	Center for Environmental & Occupational Health Sciences; BZU's main campus, Gaza, and Jericho branches
<b>Project Objectives</b>	Utilize modern technology in order to enhance the analytical capacity of the Center and respond to new needs for the purpose of serving Palestinian society in a better manner.
<b>Project Summary</b>	The project aims at obtaining modern laboratory equipment and technology for the three branches of the Center, at BZU's main campus, Gaza, and Jericho. The new equipment will elevate the level and improve the quality of the services offered by the Center. The Center offers food and drug analysis services, as well as consultancy services.
<b>Estimated Cost</b>	USD 1,400,000
<b>Timeframe</b>	As soon as possible.

#### L4. Mechanical Engineering Department – Laboratories Development

<b>Project Title</b>	Mechanical Engineering Department – Laboratories Development
<b>Project Code</b>	EQUIP/12/2007
<b>Unit / Location</b>	Faculty of Engineering – Mechanical Engineering Labs
<b>Project Objectives</b>	<p>The project has three objectives:</p> <ol style="list-style-type: none"> <li>1) Provide for undergraduate education</li> <li>2) Assist the practical training of engineers</li> <li>3) Assist in carrying out research.</li> </ol>
<b>Project Summary</b>	<p>The project seeks to provide new technology and equipment for the laboratories of the Mechanical Engineering Department. The main benefit from acquiring and upgrading the lab equipment will be to enhance the education of the Bachelor degree students. The department offers many courses related to lab equipment and can benefit immensely from these upgraded labs.</p> <p>As for the objective of assisting the practical training of engineers, the engineers in-training will have opportunities to gain detailed knowledge and hands-on experience in new technologies in the field of mechatronics engineering, become familiar with new equipment (machines, devices, design, control, exploitation and maintenance), and additionally, gain insight into current world norms and standards, especially attaining the necessary level of skills in all areas of engineering activities.</p> <p>Lastly, the acquired equipment in these labs will be used for research purposes by the Faculty of Mechanical Engineering in some areas of power, energy and environment, control and design.</p>
<b>Estimated Cost</b>	USD 406,000
<b>Timeframe</b>	As soon as possible.

## L5. Mechanical Engineering Department – Equipment for Design and Control Laboratory

<b>Project Title</b>	Mechanical Engineering Department – Equipment for Design and Control Lab
<b>Project Code</b>	EQUIP/14/2007
<b>Unit / Location</b>	Faculty of Engineering – Mechanical Engineering Labs
<b>Project Objectives</b>	The project has two objectives: 1) Provide for undergraduate education, and, 2) Assist the practical training of engineers.
<b>Project Summary</b>	<p>The design and control labs in the department are poorly equipped and some of the equipment is more than 20 years old. The proposed project seeks to provide new technology and equipment for the design and control laboratories of the Mechanical Engineering Department.</p> <p>The main benefit from acquiring and upgrading the lab equipment will be to enhance the education of the Bachelor program students. The department offers many courses related to lab equipment and can benefit immensely from these upgraded labs.</p> <p>As for the objective of assisting the practical training of engineers, the engineers in-training will have opportunities to gain detailed knowledge and hands-on experience in new technologies in the field of control and automation engineering, become familiar with new equipment (machines, devices, design, control, exploitation and maintenance), and additionally, gain insight into current world norms and standards, especially attaining the necessary level of skills in all areas of engineering activities.</p>
<b>Estimated Cost</b>	USD 104,000
<b>Timeframe</b>	As soon as possible.

## L6. Department of Architecture – Rehabilitation of Drafting Studios

<b>Project Title</b>	Department of Architecture – Rehabilitation of Drafting Studios
<b>Project Code</b>	EQUIP/6/2007
<b>Unit / Location</b>	Faculty of Engineering – Department of Architecture
<b>Project Objectives</b>	Meet the academic needs of second and third year architecture students by rehabilitating the drafting/design studios in the Department of Architecture.
<b>Project Summary</b>	<p>Students spend a considerable time working on their academic projects in those studios, which currently have limited facilities that are not sufficient for meeting students' needs.</p> <p>The project seeks to provide the drafting/design studios with equipment that includes drawing tables, screens, panels, furniture, and a computer system.</p>
<b>Estimated Cost</b>	USD 29,700
<b>Timeframe</b>	As soon as possible.

## L7. Department of Architecture – Seminar Room

<b>Project Title</b>	Department of Architecture – Seminar Room
<b>Project Code</b>	EQUIP/7/2007
<b>Unit / Location</b>	Faculty of Engineering – Department of Architecture
<b>Project Objectives</b>	Rehabilitate the Department of Architecture’s multi-purpose seminar room.
<b>Project Summary</b>	<p>The seminar room is used for presentation and discussion of graduation projects, conducting training sessions, convening small conferences and official meetings and holding other suitable activities.</p> <p>The renovated seminar room will enhance the academic experience of the students and encourage holding activities that contribute to improving the standards of instruction and research.</p>
<b>Estimated Cost</b>	USD 15,750
<b>Timeframe</b>	6 months.

## L8. Chemistry Department – Laboratory Equipment

<b>Project Title</b>	Chemistry Department – Laboratory Equipment
<b>Project Code</b>	EQUIP/4/2007
<b>Unit / Location</b>	Faculty of Science – Chemistry Department laboratory
<b>Project Objectives</b>	Meet the academic needs of chemistry students by acquiring new equipment for research and teaching purposes in the Chemistry Department Lab.
<b>Project Summary</b>	The project seeks to supply the Chemistry Department Lab with equipment that includes a pH meters, digital temperature controllers, circulating water bath, plates, magnetic stirrers, spectrophotometers, platinum electrodes, and scales.
<b>Estimated Cost</b>	USD 20,000
<b>Timeframe</b>	As soon as possible.

## **L9. Biology & Biochemistry Department – Laboratory Equipment**

<b>Project Title</b>	Biology & Biochemistry Department – Laboratory Equipment
<b>Project Code</b>	EQUIP/5/2007
<b>Unit / Location</b>	Faculty of Science Biology & Biochemistry Laboratory
<b>Project Objectives</b>	Meet the academic needs of Biology and Biochemistry students by acquiring new equipment for research and teaching purposes in the Biology & Biochemistry Lab.
<b>Project Summary</b>	The project seeks to provide the Biology and Biochemistry Department Lab with equipment that includes compound microscopes, stereomicroscopes, and a cooled incubator.
<b>Estimated Cost</b>	USD 22,000
<b>Timeframe</b>	As soon as possible.

## L10. Faculty of Arts – Furnishing a New Building

<b>Project Title</b>	Faculty of Arts – Furnishing a New Building
<b>Project Code</b>	EQUIP/17/2007
<b>Unit / Location</b>	The new Azeez Shaheen Building of the Faculty of Arts
<b>Project Objectives</b>	Furnish the new building of the Faculty of Arts to serve the purposes of instruction and general lectures, language practice, multi-purpose computer use, academic advising, administrative/office work, quiet reading (study), and providing a lounge area for eating.
<b>Project Summary</b>	<p>The project seeks to furnish the new Faculty of Arts (Azeez Shaheen) building which needs to be ready by September 1, 2007. The new building will house all the departments and offices of the Faculty of Arts that are currently located at different buildings throughout the university.</p> <p>The Faculty of Arts is the largest faculty at BZU and has more than 2,000 students. The project involves the provision of tables, desks, chairs, seats, black boards, fountains, display screens, lockers and various miscellaneous items. The new furniture will meet the needs of the various offices, departments, seating and study areas, cafeteria, computer labs, and language labs of the new building of the Faculty of Arts.</p>
<b>Estimated Cost</b>	USD 350,000
<b>Timeframe</b>	3 months for the procurement process; the new building must be furnished by the end of summer 2007.

## **L11. Faculty of Science and University Health Clinic – Procurement of Air Conditioners**

<b>Project Title</b>	Faculty of Science and University Health Clinic – Procurement of Air Conditioners
<b>Project Code</b>	EQUIP/18/ 2007
<b>Unit / Location</b>	Faculty of Science Computer Labs and University Health Clinic
<b>Project Objectives</b>	Supply the Faculty of Science Computer Labs and the University Health Clinic with needed air conditioning equipment.
<b>Project Summary</b>	The project seeks to supply the Faculty of Science building, one of the largest university facilities, and the University Health Clinic, the facility that provides health and laboratory services to the university community, with needed air conditioners in order to provide a suitable climate for work.
<b>Estimated Cost</b>	USD 20,450
<b>Timeframe</b>	As soon as possible.

## O1. Faculty of Arts – General Lectures Program

<b>Project Title</b>	Faculty of Arts – General Lectures Program
<b>Project Code</b>	COMM/1/2007
<b>Unit / Location</b>	Faculty of Arts
<b>Project Objectives</b>	<p>The General Lectures Program seeks to increase the intellectual interaction and activate cultural momentum within the university on one hand, and between the university and the Palestinian society on the other.</p> <p>The program also seeks to develop the general awareness of the students and other university community members in regards to general issues related to the Palestinian experience in terms of falling under a colonial condition.</p>
<b>Project Summary</b>	<p>The General Lectures Program consists of eight general lectures organized and supervised independently by an independent coordinator, who is accountable to the President of the University. The project will involve recruiting volunteers to help with the lecture events. Also, the project involves publicizing the events and publishing summaries of the lectures.</p> <p>This interaction could enhance the position of the university as a center of intellectual and cultural attraction in society. In addition, and as a result of the cultural and academic isolation that the Palestinian territories live through and the avoidance that many intellectuals and academics exercise towards visiting the university due to the separation policy practiced by the Israeli occupation, the program seeks to provide an opening for knowledge and cultural continuation with leading thinkers and academics.</p>
<b>Estimated Cost</b>	USD 6,500
<b>Timeframe</b>	12 months.

## O2. The Ethnographic and Art Museum - Rehabilitation of Space

<b>Project Title</b>	The Ethnographic and Art Museum - Rehabilitation of Space
<b>Project Code</b>	COMM/2/2007
<b>Unit / Location</b>	The Ethnographic and Art Museum (EAM)
<b>Project Objectives</b>	<ul style="list-style-type: none"> <li>- To provide congenial working and exhibition space for student art activities.</li> <li>- To open up new horizons exploring contemporary artistic achievements both locally and internationally through stimulating artistic activities and events.</li> <li>- To create a state of artistic dialogue and exchange between students, artists, teachers and members of the community, and offer practical opportunities for creative expression and the development of individual talents.</li> <li>- To develop specific artistic skills and encourage the exploration of different techniques and materials.</li> </ul>
<b>Project Summary</b>	<p>The project involves the rehabilitation of a space surrounding the EAM at BZU. It is a place where students will be able to create their own art work, as part of an extra-curricular program.</p> <p>This program will be coordinated with the Student's Affairs Office at the University and would involve training and artistic exchange- both practical and theoretical- under the supervision and participation of well established Palestinian and international artists.</p> <p>A contained space is also available to establish a small art gallery for exhibiting student's works or works by visiting artists as well as ample space around the designated area for conducting outdoor art functions and events.</p>
<b>Estimated Cost</b>	USD 85,460
<b>Timeframe</b>	12 months.

### **O3. The Ethnographic and Art Museum – Management, Conservation and Promotion of Ethnographic and Art Collections**

<b>Project Title</b>	The Ethnographic and Art Museum - Management, Conservation and Promotion of Ethnographic and Art Collections
<b>Project Code</b>	COMM/3/2007
<b>Unit / Location</b>	The Ethnographic and Art Museum (EAM)
<b>Project Objectives</b>	The project seeks to fund the application of the most professional and advanced venues and steps for the management, preservation, upkeep and promotion of ethnographic and art holdings and to make them accessible to academics, researchers and students at the University as well as to the community at large.
<b>Project Summary</b>	<p>The Museum needs urgent and substantial support to maintain the professional standards it has set for the conservation, management, exhibition and promotion of the collections. There are three areas that require support:</p> <ol style="list-style-type: none"> <li>1) Storage and display of the collections,</li> <li>2) Management support involving collections upkeep and maintenance, development, research, insurance, and staff,</li> <li>3) Programs and activities that involve exhibitions, workshops, seminars, announcements and publications.</li> </ol>
<b>Estimated Cost</b>	USD 82,500
<b>Timeframe</b>	12 months.

#### O4. The Ethnographic and Art Museum – A Major Ethnographic and Art Exhibition

<b>Project Title</b>	The Ethnographic and Art Museum - A major Ethnographic and Art Exhibition of the Palestinian Traditional Dress, <i>The Thob Unfolds: A Contemporary Visual Narrative</i> .
<b>Project Code</b>	COMM/4/2007
<b>Unit / Location</b>	The Ethnographic and Art Museum (EAM)
<b>Project Objectives</b>	The project seeks to hold a major ethnographic and art exhibition involving Palestinian traditional dresses.
<b>Project Summary</b>	<p>Stemming from the singular cultural artifact - the Palestinian thob (dress), the project proposes holding the following events and activities for the Fall of 2007:</p> <ol style="list-style-type: none"> <li>1- Exhibition of traditional costumes from the University's private collection.</li> <li>2- <i>The Thob Unfolds: A Contemporary Visual Narrative</i>, is a parallel event of exhibitions, interventions and discourse, where the costume collection is used as a platform of discussion, probing into how the traditional functions of the dress, as object, can take new roles in the creative expression. This event will invite Palestinian artists and creators to find new readings in the meaning of the thob.</li> <li>3- Fringe activities:</li> </ol> <p>Fringe activities may be planned to take place in the University as well as in the nearby towns of Ramallah and Birzeit, such as seminars and art workshops.</p>
<b>Estimated Cost</b>	USD 63,550
<b>Timeframe</b>	6 months.

## U1. Science Building – Entrance

<b>Project Title</b>	Science Building – Entrance
<b>Project Code</b>	GRNDS/3/2007
<b>Unit / Location</b>	Engineering Office
<b>Project Objectives</b>	This project seeks to expand the main entrance of the Faculty of Science building and add two floors to the east of the building in order to serve the students and faculty of the Faculty of Science.
<b>Project Summary</b>	<p>This project involves expanding the main entrance of the building and add a two-floor annex to the east of the building so that two eastern doors would be created; one for Hall #220 in the upper level and another for Hall #120 in the lower level.</p> <p>In addition, a door would be created to link the new annex to the outside from the eastern side in order to serve as a continuation between the building and the garden or the road. The planning phase has been completed.</p>
<b>Estimated Cost</b>	USD 110,000
<b>Timeframe</b>	12 months.

## U2. Services Department – Facilities

<b>Project Title</b>	Services Department – Facilities
<b>Project Code</b>	UTL/1/2007
<b>Unit / Location</b>	Services Department
<b>Project Objectives</b>	Meet the needs of the Services Department by providing a facility for some of its activities such as security functions, sleeping area, cleaning and laundry, in addition to meeting a need for a general-purpose room and bathrooms.
<b>Project Summary</b>	<p>The project seeks to provide a facility to better equip the Services Department on campus to serve some activities and needs. These activities and needs include providing a sleeping area for guards, an office for the head guard, an office for the cleaning officer, a storage room for cleaning supplies, a general purpose-room, bathrooms, laundry room, and a storage room for graduation robes.</p> <p>The total area of the facility would be around 150 sq. meters. The Services Department has proposed that it be built on top of the maintenance workshops to keep the cost low since there are existing water, electricity and sewage facilities already in place.</p>
<b>Estimated Cost</b>	USD 40,000
<b>Timeframe</b>	12 months.

*((This project has received a funding commitment from Friends of Birzeit University Association.))*

### U3. Services Department – Telephone Exchange System

<b>Project Title</b>	Services Department – Telephone Exchange System
<b>Project Code</b>	UTL/2/2007
<b>Unit / Location</b>	Services Department
<b>Project Objectives</b>	Meet the increasing needs of the University for a new telephone exchange system due to the horizontal expansion of the telephone lines.
<b>Project Summary</b>	This project seeks to provide a new telephone exchange system in the Services Department due to the horizontal expansion of the telephone lines in order to serve the increasing needs of the university for telephone services.
<b>Estimated Cost</b>	USD 30,000
<b>Timeframe</b>	As soon as possible.

#### **U4. Services Department – Utility Vehicles for Administration**

<b>Project Title</b>	Services Department – Utility Vehicles for Administration
<b>Project Code</b>	UTL/5/2007
<b>Unit / Location</b>	Services Department
<b>Project Objectives</b>	Provision of two service vehicles to meet the needs of official university use and administrative services.
<b>Project Summary</b>	<p>One of the required vehicles would be a regular sedan (vehicle) that will serve the needs of official university transportation use such as transporting senior university officials and invited lecturers and visitors.</p> <p>The other would be a 4-wheel drive vehicle that will serve university administrative needs such as deliveries and transportation of personnel and purchases.</p>
<b>Estimated Cost</b>	<p>Regular sedan: USD 30,000</p> <p>4-wheel drive vehicle: USD 50,000</p>
<b>Timeframe</b>	As soon as possible.

## U5. Engineering Office – Enhancing the Campus Landscape

<b>Project Title</b>	Engineering Office – Enhancing the Campus Landscape
<b>Project Code</b>	GRNDS/4/2007
<b>Unit / Location</b>	Various locations throughout the BZU campus
<b>Project Objectives</b>	This project seeks to beautify BZU’s campus grounds by landscaping, creating a better environment for the University.
<b>Project Summary</b>	<p>This project seeks to</p> <ol style="list-style-type: none"> <li>1) Enhance the landscape of the grounds of the university’s East entrance (\$30,000)</li> <li>2) Enhance the grounds around the Faculty of Commerce (\$8,000)</li> <li>3) Enhance the grounds between the buildings of the library and the Faculty of Public Administration (\$46,000)</li> <li>4) Decorate the rock cuts behind the library building (\$10,000)</li> <li>5) Create a walking path between the buildings of the Faculties of Science and Commerce (\$7,000).</li> </ol>
<b>Estimated Cost</b>	USD 101,000
<b>Timeframe</b>	12 months.

## U6. Engineering Office – Rehabilitate Elevator

<b>Project Title</b>	Engineering Office – Rehabilitate the Elevator of the Faculty of Engineering Building
<b>Project Code</b>	UTL/3/2007
<b>Unit / Location</b>	Faculty of Engineering Building
<b>Project Objectives</b>	Rehabilitate the elevator of the Faculty of Engineering building to serve the needs of the students and faculty in the five-floor building.
<b>Project Summary</b>	<p>The elevator is out of order as a result of many technical problems. Maintenance has been performed on it various times to the degree that basic parts of it such as doors and the control system have been replaced.</p> <p>There is an urgent need to reactivate the elevator since it serves five floors and there are continuous requests by the students and faculty of the Faculty of Engineering to activate the elevator.</p>
<b>Estimated Cost</b>	USD 24,000
<b>Timeframe</b>	6 months.

## U7. Services Department – Student Commuter Station, Taxi Station, and Student Car Parking

<b>Project Title</b>	Engineering Office – Student Commuter Station, Taxi Station, and Student Car Parking
<b>Project Code</b>	GRNDS/1/2007
<b>Unit / Location</b>	University’s West Entrance Gate
<b>Project Objectives</b>	This project seeks to serve students’ need for improving and expanding the pick-up and drop-off commuter station, taxi station, and student car parking.
<b>Project Summary</b>	The location of this project is west of the current west entrance gate. The construction plans have been prepared in accordance to the general structural plan of the area. The project consists of commuter drop-off station and four pick-up points (for four different destinations) which are all roofed. There is also a station for taxis and private student vehicles.
<b>Estimated Cost</b>	USD 160,000
<b>Timeframe</b>	12 months.

## U8. Engineering Office – Rehabilitate Main Sewage Station

<b>Project Title</b>	Engineering Office – Rehabilitate Main Sewage Station
<b>Project Code</b>	INFRA/1/2007
<b>Unit / Location</b>	Main Sewage Treatment Station
<b>Project Objectives</b>	This project seeks to meet the needs of the University in regards to sewage treatment.
<b>Project Summary</b>	<p>The main sewage treatment station near the University's East entrance receives waste water from the entire campus and from the three student dormitories.</p> <p>The station operates in an acceptable manner but it requires maintenance and replacement of some of its parts in addition to building a higher capacity basin to replace the existing one, for storing the treated water until it is redirected for irrigation purposes.</p>
<b>Estimated Cost</b>	USD 60,000
<b>Timeframe</b>	12 months.

## U9. Engineering Office – Establish NW Sewage Station

<b>Project Title</b>	Engineering Office – Establish NW Sewage Station
<b>Project Code</b>	INFRA/2/2007
<b>Unit / Location</b>	Northwest of the Campus
<b>Project Objectives</b>	This project seeks to establish a sewage treatment station northwest of the campus.
<b>Project Summary</b>	<p>The justification for this project is based upon the following factors:</p> <ol style="list-style-type: none"> <li>1) The proposed station would receive the sewage of the following buildings: Engineering, Maktoum, Sports, Women Studies, proposed Arts building, and any other buildings north of Maktoum, all through gravity and without any need for pumps. What takes place now is the collection of the sewage of the Maktoum and Engineering buildings in a collection room northwest of the Engineering building, from which it is pumped to the treatment station at the eastern entrance using big pumps that consume large quantities of electrical energy in addition to maintenance works performed on it.</li> <li>2) The East gate station is more than 25 years old and maintenance works performed on it are increasing, therefore it is not wise to connect more buildings to it, but, rather, to lessen its load.</li> <li>3) The technology used in the proposed station is sophisticated and different from what is used in the eastern station as it is completely enclosed and does not produce any odors and therefore it would not be a problem to place it west of the campus.</li> <li>4) The water produced from the proposed station will be suitable for irrigating trees which will be useful for gardening work in the area around the Physical Education and Women Studies buildings and in greening the lands north of the Sports building.</li> </ol> <p>Estimated cost includes reconnecting the existing buildings and creating a system for the disposal of resulting water.</p>
<b>Estimated Cost</b>	USD 150,000
<b>Timeframe</b>	24 months.

## U10. Engineering Office – Fence between East and West Gates

<b>Project Title</b>	Engineering Office – Fence between East and West Gates
<b>Project Code</b>	GRNDS/2/2007
<b>Unit / Location</b>	University’s East and West gates
<b>Project Objectives</b>	Serve the needs of the University and students by building a fence that will also enhance the aesthetics of the University.
<b>Project Summary</b>	After developing the area south of the campus that separates the university from the main road, it would be appropriate to build a stone fence that connects the East and West gates of the university and aesthetically define the limits of the university campus at the side of the main road. The suggested 700-meter fence would be two meters high with the outer side covered with stone and the inner side rough cement, painted white.
<b>Estimated Cost</b>	USD 77,000
<b>Timeframe</b>	6 months.

## U11. Engineering Office – Road to IT Department Building

<b>Project Title</b>	Engineering Office – Road to IT Department Building
<b>Project Code</b>	INFRA/3/2007
<b>Unit / Location</b>	Engineering Office
<b>Project Objectives</b>	Serve the University needs in terms of connecting several university facilities with a fully developed and paved road from the Faculty of Law & Public Administration building to the Faculty of Information Technology building.
<b>Project Summary</b>	<p>Currently, the Faculty of Information Technology building is reached through the (unpaved) dirt path from north of the Faculty of Law and Public Administration building. The unpaved road requires a full development due to its importance as it winds to connect with the end of the western road that passes in front of the Faculty of Arts thereby serving the following buildings: Faculty of Arts building (delivery in summer of 2007), Development Studies building (scheduled for construction soon), Faculty of Information Technology (scheduled for construction soon), Faculty of Law and Public Administration (planning phase).</p> <p>The Faculty of IT building cannot be operated without the paving and development of this road. Full development will include asphalt, sidewalks, lighting, sewerage, electricity and a telephone and computer network.</p>
<b>Estimated Cost</b>	USD 233,500
<b>Timeframe</b>	6 months.



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