

Republic of Yemen
Sana'a University
Faculty of Engineering



CONSULTANCY ENGINEERING CENTER

CEC

Second Version
Feb. 2015

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PRESIDENT OF SANA'A UNIVERSITY WORD, CENTER CHAIRMAN:

I am pleased to introduce the 2nd version of the profile for the Consultancy Engineering Center (CEC), Faculty of Engineering, which includes an overview of the center and information about the Faculty of Engineering.



The aim of Sana'a University since its inception in 1970, is to seek to contribute actively in the process of the developmental and progress of the society through colleges and the research scientific and applied specialized centers which specialized that cater to the needs the community institutions and service productivity.

The roles and the tasks of the research and consulatory centers, particularly in the field of engineering sciences it has an important role and active in the development and progress the peoples, so we hope a great role and contribution of CEC, Faculty of Engineering, not only at the university of Sana'a, but at the all provinces of the Republic because University of Sana'a is mother in the beginning or in number of cadres of qualified and experienced high and long, for example, but not limited to, the Faculty of Engineering consist more than 100 faculty members hold a doctorate degrees and master's degrees from different universities of the world and enjoy the efficiencies and expertise gained since the establishment of the Faculty Engineering in 1983.

We hope for the CEC in Faculty of Engineering the success in its various tasks and which created for it.

At last I assure our proud of Faculty of Engineering and its achievements and its affiliates from all members of the faculty and staff on their efforts to establish her career in order to achieve its objectives, to contribute with the rest of the university colleges to achieve the aspirations of the individual and society.

Allah Give us The Success,,,,

Dr. Abdulkreem Ahmed Ashrgaby
University President
Center Chairman

DEAN OF COLLEGE WORD, DEPUTY CHAIRMAN OF CENTER:

Based on the vision and mission of the Engineering College presented in three axes which are graduate engineering staff efficient and well qualified serve the local and regional labor market, as well as do scientific research related to the development service, in addition service to the community and meet different requirements.



CEC is one of the most means that as service for society and meet its requirements. CEC have been found from the first moment with the genesis of the college, which is an independent and engineering unit of financially and administratively aims to provide all business and consultancy activities and design, supervisory and executive for various business and engineering projects (architectural, structural, electrical, mechanical, mechatronics) for institutions and governmental bodies and private individuals.

We are in college deanship give full attention to the center and provide it facilities as:

- 1- Main & supporting staff that qualified and have competencies & wide expertise in various fields of applied and theoretical engineering science (Roads - Bridges - Construction - Structural - Water - Environmental - Electricity - Communications - Computer - Production Engineering - Design of Machines - Industrial Engineering - Control Engineering - Refractories - Engines - Architecture - Civil and Urban Planning - Preservation of Historical Cities ... etc.
- 2- Laboratories and workshops containing devices test and screening in various practical fields, especially in the field of materials, soil, construction and health ... etc.
- 3- Engineering and technical staff that qualified in various engineering fields who achieve all the work of laboratories and workshops.

Finally, more thanks and appreciation for the executive management of the center and all employees of the college and the center for their great effort in various works and consulting they provide to the community and organize the center's work and achieve its objectives effectively and efficiently, and more thanks to the presidency of the university represented by its Chairman for his collaboration with the college and center in the various activities and tasks.

May God Grant Everyone,,,

Dr. Mohammed Ahmed Albokhity
Dean of College
Deputy Chairman of Center

EXECUTIVE DIRECTOR OF CENTER WORD:

I am pleased at beginning me and all the members of the Executive Management of Center to give sincere thanks and appreciation for University President, Center Chairman, and Dean of College, Deputy Chairman of Center, for their interest and their great support for the center in order to achieve its objectives in the service of society.



This small handbook consider that an effective contribution to the definition as well as clarify consultancy engineering services that provided by institutions and governmental bodies and private individuals, and that by doing technical studies, engineering design, field studies and laboratory, overseeing the implementation of engineering projects, provide training courses and education workshop for engineers, in addition to providing consultancy services and preparation of feasibility studies for engineering projects, and the development and formulation of the conditions and specifications for engineering projects and the work of arbitration in engineering ... etc.

We aim as well as through this handbook to clarify the technical facilities of center through labs equipment and workshops that provide laboratory and field consulting and review of the most important consultancy and training work done by the center in recent years, in addition to the definition of the consultancy cadre consisting of faculty members and technical support cadre who they have extensive experience in achieve various types of consulting engineering.

We provide effort in develop the center through submit consultancy even typing & specializing with high quality and professional as well as coordination and hard cooperation with all relevant authorities to raise public awareness of the importance of engineering work, in addition to enhancing cooperation with centers and consultancy offices which similar inside and outside Yemen.

We hope to be good at everyone.

We Ask Allah Success,,,

Dr. Ahmed Hasan Ahmed Alwadaf
Executive Director

Consultancy Engineering Center (CEC)

• CENTER VISION:

We hope for successful in submit consultancy engineering services with high quality to achieve the excellence in engineering consults field at local and regional level.

• CENTER MESSAGE:

Provide consulting services to the community in all engineering disciplines in high professional and quality, and contribute to the development of society through the distinctive competencies of applied extensive experience and facilities and laboratory equipment available in the college, in order to achieve sustainable development and environmental preservation.

• CENTER AIMS:

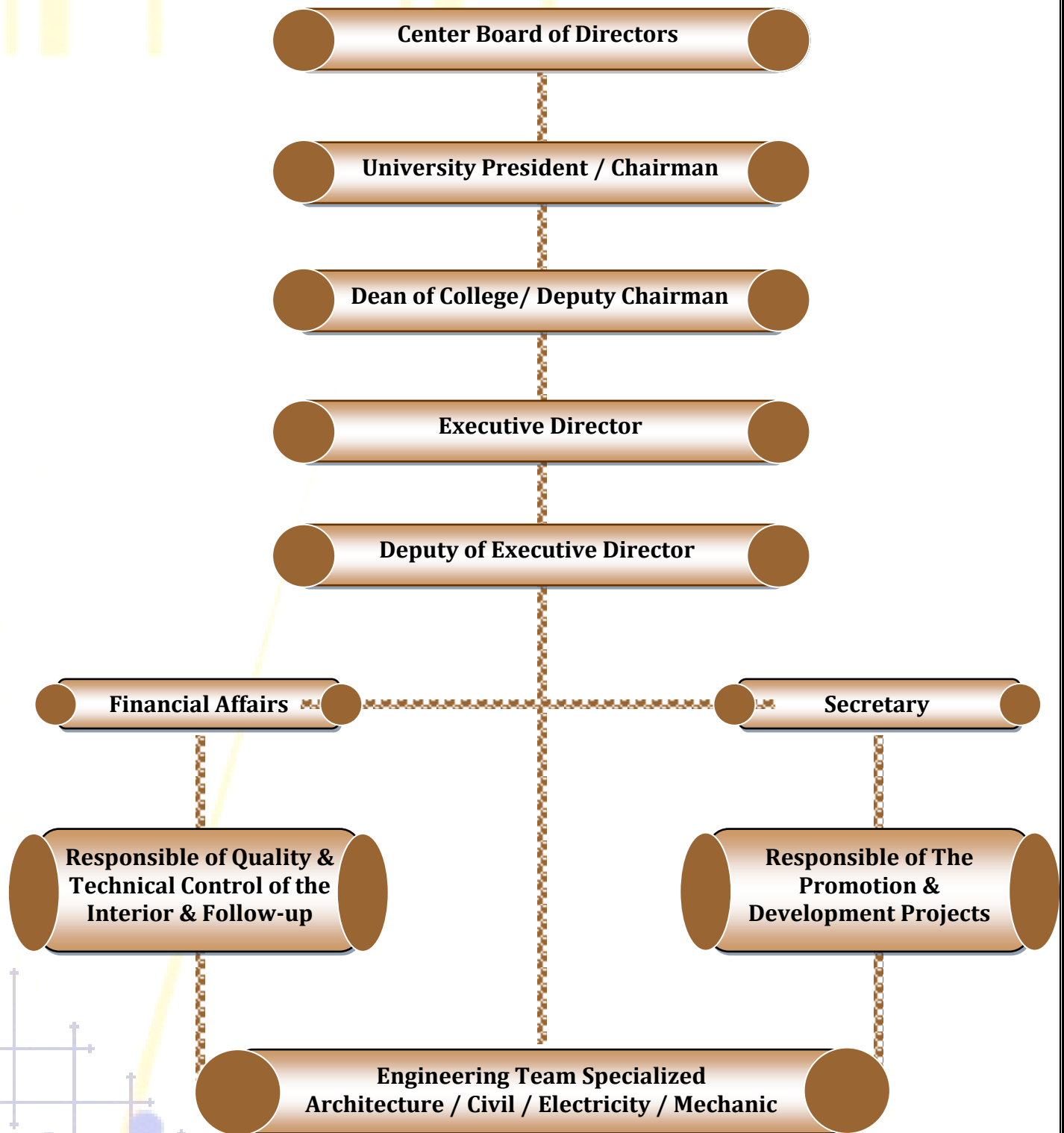
- Achieve the objectives of the university to provide engineering consulting services for institutions, government agencies, individuals and private companies.
- Deploy these services to contribute to the elimination of practices random acts of Engineering.

• ABOUT THE CENTER:

Center found with the emergence of the college, which is a body of engineering responsible for all consulting activities and engineering work carried out for the account of others, ministries, individuals, organizations and agencies in the community, a non-profit organization managed by and implement programs cadre engineering college, and is a unit of units of the University.

It was issuing the regulations list for center by collage in 1990 under name "CEC" after that the decision has been issued by Rector No. (610) for the year 2008 to... the establishment "CEC" as well as the organizational and financial list was issued for the center (No. 611) on September 3rd, 2008.

ORGANIZATION CHART "CEC"



Form (1) illustrates the organizational and administrative structure of the Engineering Consulting

• CENTER SERVICES:

- ◆ Make technical studies and the development of engineering designs for all types of projects and different stages: field & analysis studies and laboratory and supervise the implementation of engineering projects.
- ◆ Preparation of feasibility economic studies for engineering projects.
- ◆ Establish the conditions and specifications for engineering projects.
- ◆ Review, audit and approve designs for different types of engineering projects.
- ◆ Provide counseling, scientific & practical & technical solutions to the emergency engineering problems resulting from the implementation of engineering projects.
- ◆ Evaluation and rehabilitation of damaged facilities.
- ◆ Preparation of water and environmental studies, as well as evaluation studies for environmental impact of projects engineering.
- ◆ Provide technical necessary opinion and arbitration to separate the legal issues related to engineering projects by consultants that have high experience.
- ◆ Preparation of tenders related to laboratory equipment for colleges and scientific institutes, as well as evaluation and decide on controversial issues.
- ◆ Make laboratory and field tests in the fields of civil engineering, electrical, and mechanical according to the approved standard specifications.
- ◆ Preparation of studies and provide consulting services in fields of energy and alternative energy in its various forms.
- ◆ Study problems related to the industry as well as design of industrial equipment and production lines for factories and supervise their implementation.
- ◆ Prepare training programs and continuing education courses for various engineering disciplines in coordination with the relevant departments and supervise & development the implementation of these programs.
- ◆ Evaluate applicants engineers to work from different parties in various engineering disciplines.

• CENTER FEATURES:

- ◆ It follows the first engineering college in the first Yemeni University and an internationally recognized card faculty members and the possibilities of college.
- ◆ It has experience in the various scientific experiments and laboratory friction and various international expertise.
- ◆ It is characterized by its high experience members and founders both at the high level of Yemen or the countries of the world, east and west will enable them to achieve superior business consulting, studies, projects arbitration.

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- ◆ Works as a private foundation is far from routine administrative, deals with need service directly and fully independent.
- ◆ The center has the potential to communicate with different global scientific foundation and the centers of specialized scientific and research in order to provide all the information in the new Engineering Sciences to provide best counsels.
- ◆ Depends Engineering Consultancy Center on departments and centers of other laboratories and all teaching members of the faculty, it allowed to the center to use the others universities colleges or theirs departs or theirs teaching members to form a working group to implement its obligations in front of others and the use of international expertise if necessary.

• CENTER FACILITIES:

CEC interested in Faculty of Engineering ,which it has great potential in both its members and the teachers in it, that they have a very distinct scientific qualifications and certificates obtained from the most prestigious universities in the different world and they have high expertise to enable them to implement works and consulting studies and arbitration in specialized projects. As well as features Center to take full advantage of the laboratories of the Faculty of Engineering of the implementation of the various laboratory experiments.

This can be illustrated by the extent of the enormous potential that is characterized by the center through a brief review of the various scientific departments in the college and the laboratories of the college, also teaching members who are members of CEC:

FIRST, SCIENTIFIC DEPARTMENTS:

1) *Civil Engineering:*

The first section is the most closely associated with the community - includes various engineering disciplines in the construction sector and the construction work, the section has the scientific capabilities , practical expertise and high scientific potentials including high work teams the Consultancy center to study the projects and prepare designs and proposals for their implementation.

The Consultancy center provide all the experiences of this section and various laboratories to present the consulting and designs for projects required which provides as follows:

- * Structural designs for various types of engineering projects (concrete, metal, walls carrier, etc.) Also engineering supervising for implement of these projects through all stages of completion.
- * Tests of construction materials, soil and asphalt and other materials, as well as the design and asphalt concrete admixtures.
- * Prepare of survey studies - and the map projection.
- * Study designs and dams, drainage, water networks.
- * Prepare studies of water and environment as well as evaluation studies of environmental impact for engineering projects.
- * Study designs and road networks, transportation and traffic, and the work of the processors to their problems and the preparation of specifications.
- * Study, design, maintenance and evaluation of roads and bridges.
- * Works of assessment, check and repair of concrete structures and mineral that was worked.
- * Modernize and develop the skills of engineers in the workplace through the action of specialized courses in the field of construction, water, roads, bridges, survey, geo-technique as well as facilities management, contracts and specifications.

Civil Engineering contains of scientific division as follows: -

- a. Survey Division*
- b. Transport and Roads Division*
- c. Geo-Technique Division*
- d. Construction Division*
- e. Water and Environment Division*
- f. Management and Construction Division*

2) **Electrical Engineering:**

Electrical Engineering was established in 1985. Electrical Engineering is important disciplines important in the development of society and an essential element in the development process, including its services and rehabilitation for engineers who are in charge of the business in different areas of electricity.

Electrical Engineering has a long history of community service and still continue its services as well as rehabilitation engineers of the department followed by the people of specialized laboratories to carry out experiments and practical applications - underlying professors qualified experienced a major operation.

CEC depends on the engineering section in the completion of commitments and electrical engineering contracts on different aspects in power, networks and telecommunications, electronics and software.... organizing teaching courses and other, which provides as follows:

- * The preparation of studies and consulting and oversee the implementation of projects in the areas of electricity, measurements and treat their problems.
- * Study the performance and operational characteristics of the measurement of electric
- * Examine electrical machines and represent it by the computer.
- * Provide advice in the field of prevention and control systems.
- * Provide studies in the fields of energy in its various forms.
- * Provide advice and studies in the field of telecommunications networks, software and information systems.
- * Provide advice and studies in the field of telecommunications, electronics and identify problems.

Electrical Engineering contains three divisions:

- a. Computer Engineering and Control Division*
- b. Power Engineering and Electrical Machines Division*
- c. Electronics and Communication Engineering Division*

In 2006, two divisions have been opened in the parallel evening section system are:

- a. Computer Engineering and Information Technology Division*
- b. Communication Engineering Division*

3) Architecture:

Architecture established in 1987 through CEC in contributes to provide energies of teaching members that they have experiences with high level in these fields such as: architectural design, urban design, regional planning, city planning, keeping the traditional and historic cities, technology building and construction, coordination sites, interior design, art and the center can through the Architecture to provide the following services:

- * Studies and architectural designs.
- * Present quantity timetable and integrated specifications.
- * Studies and designs and planning housing projects.
- * Arbitration projects - and provide feasibility studies.
- * Studies and consulting in preserving the historic cities.
- * Provide designs and solutions for the restoration and rehabilitation.
- * Planning cities - or re-planning.
- * Present executive designs.
- * Develop training programs in the field of computer designs.
- * Training courses or workshops, and prepare for the architecture conferences.
- * Design projects to coordinate facilities and city streets.
- * Analysis of bidding for tenders different engineering.

Architecture contains of following divisions:

- a. Architectural Design Division*
- b. Cities Planning Division*
- c. Local Architecture and Preservation Division*
- d. Interior Architecture Division*

4) Mechanical Engineering:

Mechanical Engineering is considered one of the most prevalent engineering disciplines, where applications include all the different aspects of life. Mechanical Engineering of the most important sections in the college. Where it was created in 1992 in order to graduate qualified engineers serving in the areas of mechanical design and production equipment, and in the field of power and energy provides, and in the various fields of industry and production. In addition to the work of teaching at the bachelor and high study Section contributes to the development of the industry by examining the problems and propose appropriate solutions and to participate in the supervision of its implementation.

Mechanical Engineering contains of following divisions:

- a. Engineering Mechanical Design and Manufacturing Division*
- b. Mechanical Power Engineering and Energy Division*

a. Engineering Mechanical Design and Manufacturing Division:

The department and the division of design and manufacturing through CEC contributes in the Faculty of Engineering in the service industry and development in the Republic of Yemen, by linking applied between the university and industry in order to develop the industry Yemeni quality and production, and can partition and division and through CEC to present the services to the community and development in the following areas :

- ♣ Technical consultancy in all areas of manufacturing.
- ♣ The design of industrial equipment and production lines for factories and supervise their implementation.
- ♣ Planning factories and technical feasibility study them.
- ♣ The actual supervision for production processes for various projects.
- ♣ Performance evaluation.
- ♣ Study the problems of the industry and the processes involved and metal foundry, welding, cutting and running, plastics, composite materials and ferroalloys and non-ferrous metal.
- ♣ Iron and steel industry and steel alloy.
- ♣ Analysis of landslides, repair and redesign of parts.
- ♣ Conduct coalition and destructive testing for the materials and finished products.

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- ✿ Training of engineers on the use of computers in manufacturing (CAD / CAM).
- ✿ Upgrading factories engineers to develop their expertise in dealing with digital servos which operate computerized (CNC Machines).
- ✿ Using the importance of the design concept it and in accordance with the standards through intensive training courses.

b. Mechanical Power Engineering and Energy Division:

Department of Mechanical Engineering and the Division of Mechanical Power and Energy, and through CEC in college in the service industry and development in the Republic of Yemen, Contributes to provide services in the following areas:

- ✿ Preparation of studies and engineering consultancy in the field of refrigeration systems and air-conditioning equipment.
- ✿ Preparation of studies and the present the services in the field of the use of new and renewable energy as well as energy in its various forms.
- ✿ Develop and deliver training courses and studies in the field of design and operation of pipelines, or roll the pumps, and compensation.
- ✿ Prepare the studies and present the consultancy in the field of environmental management systems and keep it.
- ✿ Providing consultancy and studies in the field of automatic control systems in mechanical energy systems.

5) Basic Engineering Sciences:

The requirements of this section covered by the basic engineering sciences such as mathematics, physics, chemistry engineering, engineering drawing, descriptive geometry, workshops, engineering mechanics (1.2) principles of computing for all other scientific divisions.

6) Mechatronics:

Mechatronics is an integration and complementarity of more than specialize in one field particularly mechanical, electronic engineering as well as computer programming and control engineering within a unified framework in order to design and develop devices and equipment characterized by speed, accuracy and exceptional performance, and includes smart devices, machines and systems that have engines to move the mechanical parts, and microprocessor or computer to control the movement of parts, also sensors and measuring devices to monitor the

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system status and its movement, in addition electronics and electrical circles to connect the parts of the system together.

For that put forward the idea of Mechatronics program in the Faculty of Engineering, University of Sana'a came in belief of the importance of this specialization to keep up with the quick technological development that we are seeing in the present and its direct impact on the development of Yemeni Society and the advancement of scientific research also industrial sector as a pioneer step towards self-reliance and dispense with the costly foreign expertise.

SECOND, LABORATORIES DEPARTMENT:

One of the elements to achieve the objectives of the center is through the different laboratories of the Faculty of Engineering, which contains the latest equipment to conduct various tests and examinations in various building materials, concrete, soil, survey, roads, Hydraulic,.. etc.

1) *Materials Lab:*

Using existing hardware lab materials for the implementation of many of the laboratory experiments, such as tests of concrete, design mix concrete, tests rubble, tests of cement, tests stones and tiles, bricks and block, tests of iron and determine its properties, mechanical, pressure testing of wood and bending test of wood, showing photographs general view of the materials some of the materials and equipment in the lab.



Form (2) shows the general view of the materials and the machines in the lab

2) Soil Lab:

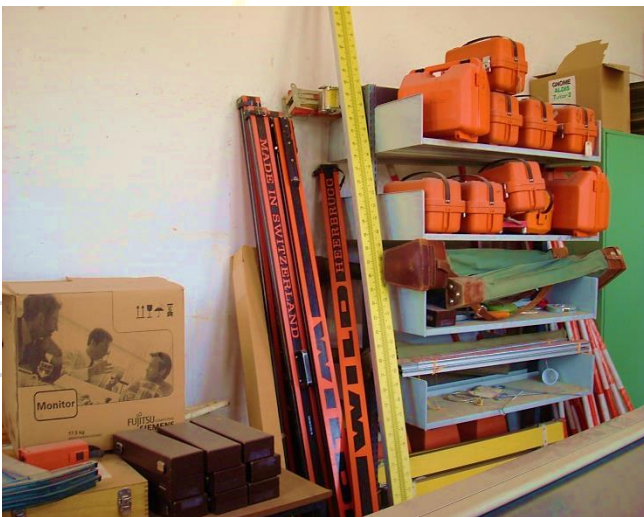
Machines and equipment used in soil laboratory to perform a variety of laboratory experiments on the soil and their properties (such as a test to determine the volumetric weight, moisture content, specific weight, test permeability, compressibility test, test collapse etc.).



Form (3) shows some of the equipment in the Soil Lab

3) Survey Lab:

Use the devices shown in the figure below to restrict the work of the various survey and cadastral.



Form (4) some devices in Survey Lab, which is used to implement the different surveys

4) Roads Lab:

The machines exist in the laboratory of roads to implement many of the experiments relating to asphalt materials and their properties.



Form (5) shows the general view of Road Lab and some machines in it

5) Hydraulic Lab:

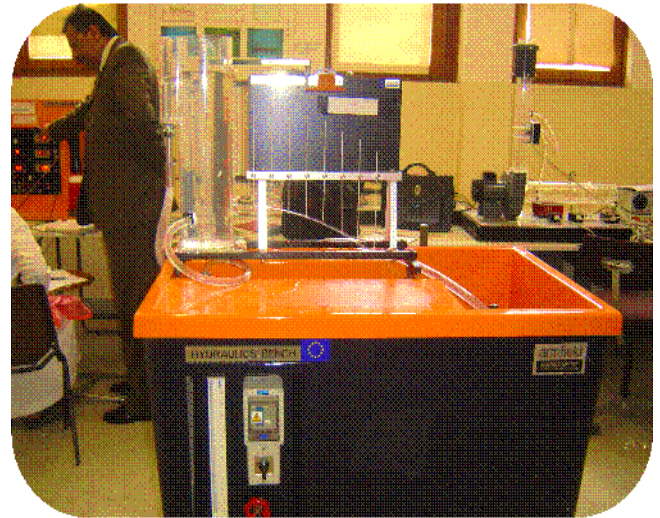
The figure below shows the general view of the hydraulic Laboratory and machines that are used to perform a variety of experiments concerning the movement of fluids and fluid mechanics.



Form (6) shows some machines in the Hydraulic Lab

6) *Mechanics Lab:*

Mechanical engineering lab contains a variety of machines and equipment that are used in the implementation of important several tests such as tests related to air-conditioning, air-cooled, heat transfer, fluid motion, ... etc..



Form (7) shows some machines in Mechanics Lab

7) *Water and Environment Lab:*

The equipment in water laboratory used for tests for the implementation of water-related tests such as physical and chemical to drinking water and sewage ... etc.



Form (8) shows equipment in Water and Environment Lab

8) *Communications Lab:*

The figure below shows the pictures of some of the existing equipment and communications laboratory, which is used to perform a variety of experiments related to communications.



Form (9) some equipment in Communications Lab

9) *Measurements Lab:*

The figure below shows the general view of some of the existing equipment and laboratory measurements that are used to perform a variety of experiments related measurements.



Form (10) A general view of Measurements Lab

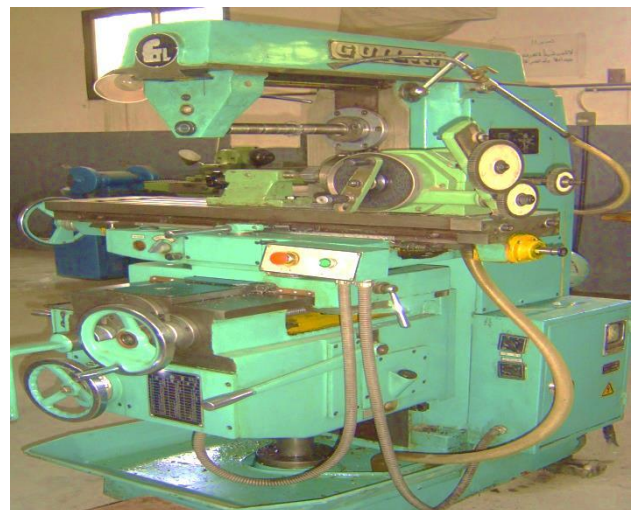
10) Computer Center:



Form (11) A view of the Computer Lab

11) Mechanical Workshop:

There Faculty of Engineering Workshop contains many machines of production such as milling machines, machines turning, machines punching, welding machines, machines for carpentry work, and use these machines for metalworking, implementation and production of many small and medium products and also can use the potential of the workshop to cover all the needs of the college and the University of offices, cupboards, chairs and various carpentry work, and the workshop can meet the different needs of the various sector or person according to the customer. This and the Department of Mechanical Engineering direct supervision at all of the workshop.



Form (12) shows some machines of the workshop in Faculty of Engineering

12) *Building Computer Lab:*

The figure below shows pictures of building a computer lab, where contains many of the computers used by students in the Department of Architecture at the graphics work different architectural design and the implementation of their projects.



Form (13) general view of a Building Computer Lab

13) *Electrical Machinery Lab*

14) *Electronics Lab*

15) *Power Lab*

16) *Quality Lab*

THIRD, CENTER ACHIEVEMENTS:

1- Implemented Consulting in Recent Years:

The center has implemented many of the studies and engineering, quality, in site and laboratory consultancy including:

No.	Name of Project	Client / Place of Project	Date of implementation
1	Prepare general technical specifications of the buildings, roads, water and sanitation	Ministry of Public Works and Highway	Under-implementation
2	Facilities maintenance project in Faculty of Medicine	Amant Alasemah / Sana'a University	Under-implementation
3	Faculty of Physical education project	Amant Alasemah / Sana'a University	Under-implementation
4	Study and evaluation of concrete structures for Taiz Stadium	Taiz	2013
5	Structural study of Al-Aji residential and commercial towers project	Bait Boss – 50 th St. Sana'a	2012
6	Study and evaluation of concrete elements for Hodeidah Stadium	Hodeidah	2010
7	Geotechnical study for the fuel and tanks of Oil Company	Hodeida, Sana'a Airport & Mokha Facility	2009
8	Prepare of the general plan and solid mass of Amran University	Amran	2007
9	Construction study and treatment of steel halls, - Special Forces Command	Special Forces Command	2009
10	Tests, checks and investigation for soil to site of Divan Building in Yemen Gas Company	Yemen Gas Company	2008
11	Geotechnical study of the school mosque in Old Sana'a	Old Sana'a	2007
12	Mall Design	Taiz	2007
13	Prepare general maintenance manual of buildings and school equipment	-	2006
14	Study and treatment of the Higher Institute of Health Sciences in Taiz	Taiz	2006

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15	Tests of backfill layers of main channel for waste water of Al-Lyl City	Amant Alasemah	2006
16	Evaluate of Nurses Housing in the Police Hospital, and study nearby ground	Police Hospital / Alhasbah	2008
17	Preparing and training of survey principles to trainees of Yemen-German Technical Institute	Ministry of Vocational Training	2000
18	Irrigation project in Seham Valley	Ministry of Agriculture	2005
19	Maintenance and restoration of educational establishments and to improve the school environment	Ministry of Education	1997
20	Analysis and design of foundations for the main winch in Salif Port	Salif Port	1999
21	Study and soil investigations for the Engineering College Site	Dhamar University	1999
22	Lifting and drop Survey for Dhamar University Ground	Dhamar University	1997

2- Training Programs:

The most important training courses implemented by the center for the benefit of various government agencies and private section and different state institutions:

Field	Courses
Roads and Traffic Engineering	* Engineering design for roads (techniques and modern methods).
	* Road materials (techniques and modern methods).
	* Structural design of roads.
	* Roads Management System (RMS) .
	* Roads Maintenance.
	* Surveys and compiling and analyzing information about traffic.
	* Basics and models of transportation planning.
	* Training the engineers in field of quality settings of road construction materials and reinforced concrete .

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Survey Engineering	* Techniques comprehensive station GPS and GIS and RS and their applications.
	* Read and analyze maps in various engineering projects.
	* Surveying course to employees of GTZ.
	* Training the engineers in field of comprehensive stations devices and (GNSS,GPS) technologies.
Water	* Environmental impact assessment course - a study of the financial sources of water basins.
	* Design networks and water stations course.
	* Design networks and sewage stations course - hydrological and hydraulic studies of dams.
	* Two courses in dams engineering.
Structural Engineering	* Maintenance (public- private and historic) foundation.
	* Advanced design of the foundations.
	* Seismic design of the foundations.
	* Advanced analysis for the foundations.
	* Analysis of the foundations using the selected item.
	* Design the bearing and chock walls .
	* Updates of specifications and new codes.
	* Concrete Technology.
Geo-Technique Engineering	* Soil investigations in various construction sites and its importance part of the safety and cost.
	* Engineering and construction of dams.
	* Soil and basic engineering and its relationship to the structural problems.

FINALLY, CENTER STAFF:

1) *Board Members:*

The center board is formed by a decision issued by the University President as follows:

University President	President
Dean of the College	Deputy President
Deputies -Dean	Members
Executive Director	Member
Heads of Scientific Departments	Members
Secretary Center	Decision Maker

2) *Executive Members:*

The executive members is formed by a decision issued by the President of the University of high qualified as follow:

Dr. Ahmed Hasan Alwadhaf	Executive Director
Dr. Amal Abdelkareem Al arashee	Deputy Executive Director
Dr. Ahmed Abdo Alsamawi	General Secretary

3) *Consultants:*

All teaching members are consultants in the center, and in the following, will be reported the consultants by their specialization and division:

Consultancy Engineering Center (CEC)

• Department of Civil Engineering

1- Survey Division:

No	Name	Scientific Surname	Specialization	Graduation Date	University Graduation
1	Dr. Abdolellah Kasem Thabet Adominee	Assistant Professor	Survey	1987	Moscow / Russia
2	Dr. Yahya Mohammed Hasen Alhifee	Assistant Professor	GPS Survey	1996	Newcastle / Britain
3	Dr.t. Ameen Ali Qathan	Professor	Graphic Survey	1997	Moscow / Russia
4	Eng. Basheer Saleh Almswry	Teacher	Sensor & Devising	2003	Alexandria / Egypt
5	Eng. Ahmed Mohammed Ali Saleh	Teacher	Graphic Survey	2007	Cairo / Egypt

2- Transport and Highway Division:

No	Name	Scientific Surname	Specialization	Graduation Date	University Graduation
1	Dr. Gameel Abdelrab Najee Almaqtaree	Professor	Highway	1997	Glamorgan / Britain
2	Dr. Abdelsalam Mohammed Athawr	Assistant Professor	Transport and Highway	1997	Glasgow / Britain
3	Dr. Abdelallah Ahmed Almasori	Assistant Professor	Transport and Highway	2008	Assiut / Egypt

3- Geo-Technique Division:

No	Name	Scientific Surname	Specialization	Graduation Date	University Graduation
1	Dr. Yasseen Ahmed Mohammed Owen	Associate Professor	Soil and Bases	1990	Moscow / Russia
2	Dr. Abdelhakeem Nouraldeen Hasen	Assistant Professor	Soil and Bases	1995	Joseph Fourier / France
3	Dr. Khaled Abdelalah Hasen Alqasswss	Assistant Professor	Geo-Technique	1996	Aston / Britain

4- Construction Division:

No	Name	Scientific Surname	Specialization	Graduation Date	University Graduation
1	Dr.t. Mahmoud Mohammed Ali Kolib	Professor	Construction	1989	Salford / Britain
2	Dr.t. Hamoud Ahmed Ahmed Adhfairee	Professor	Construction	1992	Birmingham / Britain
3	Dr. Foud Mohsen Ali Sofian	Associate Professor	Construction	1992	Liverpool / Britain
4	Dr. Abdelateef Abdellallah Almonifee	Associate Professor	Construction	1995	London / Britain
5	Dr.t. Hassan Saed Mohammed Abdelmognee	Associate Professor	Construction	1999	Technology / Iraq
6	Dr. Ameen Mohammed Aklan Abdelallah	Associate Professor	Construction	1999	Kyushu / Japan
7	Dr. Abdelmalk Haza Mohammed Algolahhi	Associate Professor	Construction	2001	UMST / Britain
8	Dr. Abubaker Abdelallah Asaqaf	Assistant Professor	Construction	2002	Osaka / Japan
9	Dr. Abas Mohammed Ali Ashwharee	Assistant Professor	Construction	2002	Jordan University / Jordan
10	Dr. Suliman Ismeal Alssafee	Assistant Professor	Construction	2005	UMST / Britain
11	Dr. Mohammed Abdelwahab AlKhaled	Assistant Professor	Construction	2005	Cairo / Egypt
12	Dr. Ahmed Hasen Ahmed Alwadhaf	Associate Professor	Construction	2005	Putra / Malaysia
13	Dr. Mohammed Abdelallah Abdo Ahmed	Assistant Professor	Construction	2007	Alexandria / Egypt
14	Dr. Abdelwahab Ahmed Ali Anono	Assistant Professor	Construction	2008	Cairo / Egypt
15	Dr. Nabeel Mohsen Flah	Assistant Professor	Construction	2009	Germany
16	Dr. Mohammed Abdullah Aljurafi	Assistant Professor	Construction	2011	Putra / Malaysia
17	Dr. Abdulkareem Yahya Alkhatabi	Assistant Professor	Construction	2011	Cairo / Egypt

5- Management & Construction Division:

No	Name	Scientific Surname	Specialization	Graduation Date	University Graduation
1	Dr. Ahmed Shamsan Abdelallah Alshargabee	Assistant Professor	Management & Construction	1992	Birmingham / Britain
2	Dr. Basel Mohammed Qasem Sultan	Assistant Professor	Management & Construction	2006	Queensland Technology /Australia
3	Dr. Tareq Abdullah Barkat	Assistant Professor	Construction	2010	Egypt

6- Water and Environment Division:

No	Name	Scientific Surname	Specialization	Graduation Date	University Graduation
1	Dr. Abdelwali Hezam Haider Alshargabee	Associate Professor	Water Sources	1987	Moscow / Russia
2	Dr. Mohamed Ibraheem Mohammed Alhamdee	Assistant Professor	Water & Environment	2000	Delft/ Netherlands
3	Dr. Abdelallah Abdelqader Ahmed Noaman	Associate Professor	Water	2001	Braunschweig / Germany
4	Dr. Fadhel Ali Saleh Alnozailee	Associate Professor	Water and Environment	2001	Delft / Netherlands
5	Dr. Monsour Ahmed Thabet Haidrah	Associate Professor	Hydraulic	2002	Newcastle/ Britain
6	Dr. Mohammed Abdelwadod Saif Alarikee	Assistant Professor	Engineering Dams	2003	Newcastle/ Britain
7	Dr. Sharf Aldeen Abdellah Ahmed Saleh	Associate Professor	Hydraulic	2005	Cairo / Egypt
8	Eng. Sami Ali Alhadad	Teacher	Water Sources	2005	New Mexico / USA
9	Dr. Adnan Gameel Mohram	Assistant Professor	Water & Environment	2007	Cairo/Egypt
10	Dr. Zamzm Yahya Abdo Mobark	Associate Professor	Hydraulic	2010	Cairo/Egypt

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• Department of Electrical Engineering

1- Electric Power Division:

No	Name	Scientific Surname	Specialization	Graduation Date	University Graduation
1	Dr.t. Tawfeq Mohsen Ali Sofian	Professor	High Voltmeter	1984	Salford / Britain
2	E. Ghazee Shadad Ali Alshmairee	Assistant Lecturer	Electronic Power Electronic Nets	1988	Russia / Soviet Union
3	Dr.t. Ali Mohmamed Ali Alshwel	Professor	Power Electronics	1990	UMST / Britain
4	Dr.t. Mohammed Ali Noaman Hasen	Professor	Control in Power Systems	1990	Clarkson / America
5	Dr.t. Faisel Abdelfatah Ibraheem	Professor	Control Engineering	1993	Nancy / France
6	Dr. Omer Mohammed Awth Batheeb	Associate Professor	Electronic Machines	1993	Clarkson / America
7	Dr. Omer Hasen Saleh Alsaqaf	Associate Professor	Electronic Power	1995	Aachen / Germany
8	Dr. Ahmed Abdelwahab Alarshee	Associate Professor	Power(Distribution Electronic Power)	1995	UMST / Britain
9	Dr. Gamal Abdelwarth Haza	Associate Professor	Electronic Power Systems	1999	UMST / Britain
10	Dr. Mohammed Ali Abdelallah Alyadomi	Assistant Professor	Electronic Power and Machines	2000	Wales / Britain
11	Dr.Mohammed Ali Naser	Assistant Professor	Electronic Power & Machines	2006	Aligarh Muslim / India
12	Dr. Morshed Qaead Hadwan	Assistant Professor	Electronic Power Engineering	2006	Britain

2- Computing and Control Division:

No	Name	Scientific Surname	Specialization	Graduation Date	University Graduation
1	Dr.t. Abdelraqueeb Abdo Asaad	Professor	Computers Engineering	1989	Wales /Britain

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2	Dr. Taher Qaed Hameed	Assistant Professor	Computer Science	1998	Bradford / Britain
3	Dr. Mohamed Ali Saed Alzarai	Assistant Professor	Computers & Controls Engineering	1999	UMST / Britain
4	Dr. Osamh Homud Mohamed Ashbamee	Assistant Professor	Computers & Signal Processing	2002	Leeds / Britain
5	Eng. Ahmed Radman Qaid	Teacher	Computers Engineering	2006	

3- Communications and Electronics Division:

No	Name	Scientific Surname	Specialization	Graduation Date	University Graduation
1	Dr.t. Abdellallah Ali Alkhorbee	Professor	Communications Engineering	1993	UMST / Britain
2	Dr. Ali Yahya Alhmdi	Assistant Professor	Communications Engineering	1999	Rawan / France
3	Dr. Ali Najee Mosleh Nasara	Assistant Professor	Communications Engineering	2002	Rawan / France
4	Dr. Mourad Abdelallah AbdelHameed Almekhalafi	Assistant Professor	Engineering of Communications	2002	Kharkiv / Ukraine
5	Dr. AbdelKafee Mohamed Alearianee	Assistant Professor	Engineering of Communications	2003	Prague Technical Contacts / Czech
6	Dr. Ali Manea Ali AlseeH	Assistant Professor	Engineering of Communications	2004	Alexandria / Egypt
7	Dr. Mohamed Sharf Saed Awn	Assistant Professor	Engineering of information and Communications	2005	Nagoya / Japan
8	Dr. Ahmed Saad Harmel	Assistant Professor	Engineering of Communications	2006	Cairo / Egypt
9	Dr. Mohamed Abas Hasen Alwadee	Assistant Professor	Engineering of Communications	2007	Warwick / Britain
10	Dr. Abdelsalam Ghaleb Hassan Alkhawlidee	Assistant Professor	Engineering of Communications	2007	Western Britain
11	Dr. Mohammed Abdo Almekhlafi	Assistant Professor	Engineering of Communications	2010	Putra / Malaysia

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• Department of Architecture

No	Name	Scientific Surname	Specialization	Graduation Date	University Graduation
1	Dr.t. Abdelrakeeb Taher Alsheebani	Professor	Theories of Architecture & Maintain	1990	Brno Technology Czechoslovakia
2	Dr.t. Abdelaziz Ahmed Omer Alkabab	Professor	Planning Cities	1991	Liverpool / Britain
3	Dr. Ahmed Ghaleb Farea Noaman	Assistant Professor	Housing (Technology Building)	1992	Sheffield / Britain
4	Dr. Abdo Thabet Mohamed Alabsee	Associate Professor	Architecture & Urban Planning & Housing	1994	Tongji Shanghai / China
5	Dr. Saif Abdelallah Alkobatee	Associate Professor	Urban Design	1994	Poland
6	Dr. Hatem Mohamed Abdelkareem Alsabahee	Associate Professor	Architectural Design Theories of Architecture	1994	AASA / London
7	Dr. Abdellah Zaid Hamoud Isea	Associate Professor	Architecture and Environment	1994	London / Britain
8	Dr.t. Mohamed Ahmed Salam Almadhagee	Professor	planning cities	1996	Sofia - Bulgaria
9	Dr. Abdelallah Mohamed Alaabed	Associate Professor	Housing	1996	Wales/ Britain
10	Dr. Sultan Mohsen Salam Almadhagee	Assistant Professor	Interior Architecture	1996	Cairo / Egypt
11	Dr. Samirah Gamal Gameel	Associate Professor	Theory of Architecture	1999	Cairo / Egypt
12	Dr. Mohamed Mohamed Ahmed Alolofee	Associate Professor	Architectural Design and Theories	2000	Tongji Shanghai / China
13	Dr. Khaleel Abdelwahab Nasher	Associate Professor	Urban Planning and Regional	2001	Cairo / Egypt
14	Dr. Abas Abdo Farea Alwarafee	Assistant Professor	Planning cities	2003	India
15	Dr. Ahmed Mohamed Ahmed Alhazmi	Assistant Professor	Housing	2004	Egypt
16	Dr. Foad Homud Ashbaami	Assistant Professor	Architecture and Environment	2004	Sheffield / Britain

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17	Dr. Mohamed Ali Ali Masood Naeem	Assistant Professor	Architectural Design and its Theories	2005	Iraq
18	Dr. Khaled Ali Ali Alhdheri	Assistant Professor	Architectural Design Theories	2005	Cairo / Egypt
19	Dr. Sameer Mohsen Huseen Aseeri	Assistant Professor	Building Technology	2006	Cairo / Egypt
20	Dr. Amal Abdul Karim Abdullah Al-Arashi	Assistant Professor	Architectural Design Theories (Maintain)	2006	Cairo / Egypt
21	Dr. Nadia Yahya Alkawkabane	Assistant Professor	Theories Building	2008	Cairo / Egypt
22	Dr. Abdulwahab Mohammed Ali Alturky	Assistant Professor	Architectural Design Theories (Maintain)	2009	Cairo / Egypt
23	Dr. Wael Abdulmoghni Alaghbri	Assistant Professor	Project management	2010	Putra / Malaysia
24	Dr. Fadel Mohammed Ali Alwraqi	Assistant Professor	Urban Planning	2010	Sana'a / Yemen
25	Dr. Sameera Saleh Huseen Alshawsh	Assistant Professor	Building & Environment	2011	Assywt / Egypt

• Department of Mechanical Engineering

1- Mechanical Design and Manufacturing Engineering Division:

No	Name	Scientific Surname	Specialization	Graduation Date	University Graduation
1	Dr. Abdelsalam Nagee Ismeal	Assistant Professor	The Production and Design Engineering	1994	Swansea / Britain
2	Dr. Ameen Abdelwahab Mokbel Alkholeidi	Associate Professor	Industrial Engineering	1997	Glamour Jean / Britain
3	Dr. Fares Sead bn Sead Alarekee	Assistant Professor	Vibrations	1999	Uzbekistan
4	Dr. Thabet Mahdi Yahya Alghabree	Assistant Professor	Fluid Mechanics	2000	Russia
5	Dr. Adel Abdelgaleel Haza	Assistant Professor	Industrial Controller	2002	Manchester / Britain
6	Dr. Khaleel Abdellah Ghanem Al hatab	Assistant Professor	Production and Design	2004	Baghdad / Iraq
7	Dr. Mohamed Ahmed Hamoud Albokhaitee	Associate Professor	Machinery Design and Production	2005	Assywt / Egypt

2- Mechanical Power Engineering and Energy Division:

No	Name	Scientific Surname	Specialization	Graduation Date	University Graduation
1	Dr. Mohamed Abdelallah Alshagdaree	Associate Professor	Heats Energy Systems and the Environment	1998	Glamorgan / Britain
2	Dr. Abdolmalek Ibrahim Moamen	Assistant Professor	Heat Engineering (Solar)	2000	Rocky / India
3	Dr. Ahmed Mohamed Gaber	Assistant Professor	Heat Engineering, Fluid Mechanics	2000	Manchester / Britain
4	Dr. Tawfeq Ali Abdelateef	Assistant Professor	Heat Engineering	2003	UMST / Britain

• Department of Basics Engineering Sciences

No	Name	Scientific Surname	Specialization	Graduation Date	University Graduation
1	Dr. Ahmed Hamoud Yayah Alsamawee	Assistant Professor	Physics and Mathematics	2004	Altai / Russia
2	Dr. Ryad Abdelallah Mohram	Assistant Professor	The Chemical and Environment	2007	Russian Federation
3	Dr. Yaser Mohammed Alhwry	Assistant Professor	Mathematics	2010	Morocco

• Department of Mechatronics Engineering

No	Name	Scientific Surname	Specialization	Graduation Date	University Graduation
1	Dr. Abdolmalek Ibrahim Moamen	Assistant Professor	Heat Engineering (Solar)	2000	Rocky / India
2	Dr. Ali Manea Ali Alseeh	Assistant Professor	Engineering of Communications	2004	Alexandria / Egypt
3	Dr. Amar Mohammed Amer	Assistant Professor	Industrial Engineering	2005	Tansi / USA

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Sana'a University
Faculty of Engineering
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Center Executive Management**