

Curriculum Vitae C.V

1- PERSONAL DATA:

Name: Dr. Mahmoud AbdElrahim AbdElgiom Abdelmahmoud



Date of birth: 1/1/1974.

Place of birth: Alhilayla - kamlin province, algazera state.

Occupation: Assistant professor.

Current Address: Assistant professor, Civil Engineering Department, Faculty of Engineering, Jazan university, Kingdom of Saudi Arabia.

Tel.: +966550221029

Email: mahmoudabdelgiom@gmail.com

Permanent address, University of Khartoum, Faculty of Engineering, Department of Surveying Eng.

University of Khartoum, P.O. Box 321, Postal Code 11111, Khartoum, Sudan.

Nationality: Sudanese.

Languages: Arabic, English.

Marital Status: Married with three children.

Health: very good.

E-mail: mahmoud20032@hotmail.com.

E-mail: mahmoudabdelgiom@gmail.com

Tel: +24912912606

Home: 0121722251

2- Educational Qualifications:

❖ Ph.D. in surveying, Surveying Engineering- Faculty of Engineering- University of Khartoum (2013).

Specialist: Geographical Information Systems (GIS).

Ph.D. Thesis title: A multi-Purpose Utility Model for Urban Areas in Northern Khartoum using GIS.

❖ M.Sc. in surveying, Surveying Engineering- Faculty of Engineering- University of Khartoum (2005).

Specialist: Geographical Information Systems (GIS).

M.Sc. Thesis title: Optimum site selection strategies using GIS analysis

Techniques.

❖ B.Sc. (Honours) in surveying, Surveying Engineering- Faculty of Engineering- University of Khartoum (2000).

B.Sc. Graduation Project: Establishing network control points using Total station and automatic level instruments.

3-Experience:

3.1 Academic Experience:

a) Assistant professor, U.OF.K -Faculty of Engineering, Department of surveying Eng. from 2013 up to date.

b) Head Department of Basics and Engineering Sciences, University of Khartoum (U of K), Faculty of Engineering (2013-2015).

This department consists of many different mathematical courses in which include:

1- Calculus (I), Calculus(II),Linear algebra(I) and Statistics and probability.(First class students).

2- Mechanical and vectors and differential equations. (2nd class students).

3- Numerical analysis and Complex numbers. (3rd class students).

c) Lecturer in U.OF.K-Faculty of Engineering, Department of surveying Eng. from 2005 to now.

d) Teaching Assistant in University OF Khartoum (U.OF .K) department of surveying engineering from 2002 to 2005.

e) Courses Taught

1- MSc. Courses

Introduction to Global Positioning System (GPS) course in the University of Khartoum, faculty of geography and environmental sciences (2013-2015)

2- BSc. courses

Teaching of many courses in the University of Jazan, University of Khartoum, Omdurman University and El Azhari University. These courses include:

(1) University of Jazan, Department of Civil Engineering, Faculty of Engineering, Kingdom of Saudi Arabia

a) Surveying (1) (one course in the 3th year, Civil and Architectural Engineering students)

b) Probability and Statistic for Engineers (one course in the 3th year, Civil

and Architectural Engineering students)

- c) Civil Engineering systems (one course in the 4th year, Civil and Architectural Engineering students)
- d) Expected course in jazan university
 - : **Geodesy and Geomatics**(one course in the 4th year: level 9, Civil Engineering students)
 - **Remote Sensing and GIS** (one course in the 4th year: level 10, Civil Engineering students)

(2) University of Khartoum -Faculty of Engineering:

a) Department of Surveying Eng. (Period between 2006 – 2011):

- ❖ Calculus (I) one course in the 1th year(2014-2015).
- ❖ Surveying (3) (one course in the 3th year).
- ❖ Land Registration (One course 5th Year).

b) Department of Civil Engineering (2007 – 2013):

- ❖ Calculus (I) one course in the 1th year.
- ❖ Surveying(1) course(general course) for civil students (one course in the 2th year).
- ❖ Surveying(2)course(general course) for civil students (one course in the 3th year).
- ❖ Surveying(2B) course(general course) for civil students (2nd course in the 3th year).

c) Department of Mining Engineering (2007 - 2013):

- ❖ Calculus (I) one course in the 1th year (2014-2015).
- ❖ Surveying(1) course(general course) for mining students (one course in the 2th year).
- ❖ Mine Surveying Course (4th year Mining students for 2 terms)
- ❖ **Department of Electrical and electronic Engineering, Department of Mechanical Engineering, Department of petroleum Engineering and Department of Agricultural Engineering**(2014-2015).
- ❖ Calculus (I) one course in the 1th year.

(3) Omdurman Islamic University (2009 –2013):

- ❖ Surveying(1) course(general course) for surveying , civil, Architecture, and mining students (one course in the 2th year).
- ❖ Surveying(2) course(general course) for surveying and civil students (2nd course in the 3th year).
- ❖ Surveying(3) course(general course) for civil students (2nd course in the 3th year).
- ❖ Surveying Engineering (1) course for surveying students (one course in the 3th year-first semester).

- ❖ Surveying Engineering (2) course for surveying students (2nd course in the 3th year-first semester).

- ❖ Databases for surveying students (one course in the 2th year).

(4) University of Khartoum -Faculty of Architecture (Period between 2010 – 2013):

- ❖ Surveying(1) course(general course) for Architecture students (one course in the 2th year).

(5) El Azhari University (2007- 2013):

- ❖ Surveying(1) course for second year civil Engineering Students (for 2th years).

- ❖ Surveying(2) course for third year civil Engineering Students (for 3th years).

- ❖ Surveying(3) course for third year civil Engineering Students(second semester) (for 3th years).

(6) Diploma courses: (Period between 2005 – 2011):

Teaching of many courses in the University of Khartoum, department of surveying engineering diploma programs such as :

- ❖ GIS(1) course for GIS students (one course in the 3th year).

- ❖ **Engineering drawing course. This course is included of civil structural drawing, electrical circuits drawing, detail surveying maps and mechanical drawing** (one course in the 1th year)

- ❖ **AutoCAD (2D&3D) advance course for GIS students. This course is included of civil structural drawing, electrical circuits drawing, detail surveying maps and mechanical drawing** (one course in the 2th year).

- ❖ Land registration course for Land surveying and GIS students (one course in the 3th year).

- ❖ Works shops course for Land surveying and GIS students (one course in the 1th year).

- ❖ Introduction to computer course for Land surveying and GIS students (one course in the 1th year).

- ❖ Word processing course for GIS students (one course in the 2th year).

- ❖ Introduction of Engineering Economic course for Land surveying and GIS students (one course in the 3th year).

- ❖ Safety and security course for Land surveying and GIS students (one course in the 3th year).

(6) Supervision of M.Sc projects (2013-2014):

I Supervised 8th dissertation projects are detailed in the following titles:

a) Water Harvesting using RS and GIS.

b) Integration between GIS and MIS.

- c) Integrated watershed management for Upper Atbara using GIS techniques.
- d) Environmental Impacts of Merowe Dam using GIS.
- e) Estimation of solar radiations using GIS Techniques.
- f) Evaluated of agricultural areas using GIS.
- g) Geo databases of Water pipeline network using GIS.
- h) Gold discovery using RS and GIS spatial analysis

(7)Supervision of B.Sc projects (2005-2013):

- 1-Helping, both master and graduation students in their research in Surveying & GIS field.
- 2- Supervision of more than 45 graduate research projects (Final project of 5th year), in the field of, land surveying, and GIS (Geographical Information System).

(8) Short Training Courses Taught

- ☒ GIS course – U of K- Faculty of Engineering Training centre (from 2010 to2013).
- ☒ AutoCAD Civil 3D (Autoland) course for road design- U of K- Faculty of Engineering Training centre (from 2010 to2013).
- ☒ Advance AutoCAD Course for Engineers – Abdelbari Training centre for computer and technical studies (from 2005 to2013)
- ☒ AutoCAD Civil 3D (Autoland) course for road design - Abdelbari Training centre for computer and technical studies (from 2009 to2013).
- ☒ GIS course – Abdelbari Training centre for computer and technical studies (from 2006 to2008).

3.2Professional Experience:

1. Secretary of training for the Surveying Engineering Department and technical supervisor of surveying camp for civil and surveying engineering students 2006-2012.
2. Malut Basin oil development project (MBODP)-PDOC-Ltd. Using Total station instrument and GPS-RTK for surveying work observation and AutoCAD program for plotting 2004. Project supervisor: Dr. Gar elnabi Ibrahim mohammed.
3. survey site engineer, with OGP Technical services Sdn.Bhd, For (PDOC) Melut Basin Oil Development Project.2004-2006. Project supervisor: Dr.

Gar elnabi Ibrahim mohammed head department of Surveying Engineering- Faculty of Engineering- University of Khartoum.

4. Basic Design stage survey from Algaili –Bashair for (PDOC-Ltd pipeline). Using Total station instrument for surveying work (crossing features) 2005. Project supervisor: Dr. Gar elnabi Ibrahim mohammed head department of Surveying Engineering- Faculty of Engineering- University of Khartoum.
5. Detail map, Construction of (PDOC) pipeline Control points and profile study using Total station and GPS-RTK Instruments (Section A) Geblawlia 2006. Project supervisor: Dr. Gar elnabi Ibrahim mohammed head department of Surveying Engineering- Faculty of Engineering- University of Khartoum.
6. Soba Hospital detail survey map 2007. Contractor :University of Khartoum Consultancy Corporation. Project supervisor: Dr. Gar elnabi Ibrahim mohammed.
7. Faculty of Technical and development studies collage new site detail engineering survey 2007. Contractor :University of Khartoum Consultancy Corporation. Project supervisor: Dr. Gar elnabi Ibrahim mohammed.
8. University of Khartoum – Central area detail surveying 2007. Contractor :University of Khartoum Consultancy Corporation.
9. Africa International University area detail surveying and mapping 2006.
10. University of Khartoum – Residential area in burri detail surveying and mapping 2008. Contractor: University of Khartoum Consultancy Corporation. Project supervisor: Dr. Gar elnabi Ibrahim mohammed.
11. Police collage East area in burri detail surveying and mapping 2008.
12. Detail & contours , Surveying of the University of Khartoum agricultural land in Soba area, Khartoum2009. Contractor :University of Khartoum Consultancy Corporation.
13. Detail & contours, Surveying of north rural farms agricultural land in Omdurman 2010. Contractor :University of Khartoum Consultancy Corporation. Project supervisor: Dr. Gar elnabi Ibrahim mohammed.
14. U of K Exam hall detail surveying, Roof contour and (2D&3D) mapping 2011. Project supervisor: Dr. Gar elnabi Ibrahim mohammed.
15. Checking eccentricity and verticality of exist building using total station and ArcGIS 9.3 software (hai alnozha ,Khartoum 2014).

3.3 GIS PROJECTS:

- 1- ALRuseris Agricultural Project (2009).
Supervision: University of Khartoum Consultancy Corporation.
Financed by : dams Corporation.
Project head manager :prof. M.Akod.Osman- UofK – Faculty of Engineering- department of Civil Engineering.

2- Nile interface between White Nile bridge and AL Geraif AL Manshia bridge past and present (2011).
Supervision: Faculty of Geography UofK.
Financed by : UofK. Scientific Research Center.
Project head manager :Dr.Abdelazem Osman Ahmed- UofK – Faculty of Arts- department of Geography.

3.4 Professional Qualifications Experience:

- 1-Land surveying and GIS Diploma courses Coordinator ((Period from 2005-2010)).
- 2-Coordinator of BSc. Program in Surveying Engineering department(Period from 2005 to 2010).
- 3-Coordinator of 2nd class (BSc.) Faculty of Engineering (Period from 2012 to now).

3.5 College courses:

- ❖ zero tanning (collage program 1996)
- ❖ Gabal awlia land surveying field course(1997 -1998).
- ❖ Gabal awlia photogrammetry field course(1998 -1999).

3.6 Training:

Short course in remote sensing and GIS,NORTHERN ARIZONA UNIVERSITY, Department of GIS ,Remote sensing and Geospatial science (2008).

3.7 Computer Knowledge:

1-Operating Systems & Software:

- Microsoft Windows (98,2000,XP and win.7).
- Microsoft Office.
- AutoCAD (14,2012) & AutoCAD MAP 2000.
- AutoCAD Civil 3D (for Roads design)
- PC ARCINFO 3.5.1.
- ArcGIS 8.x – 10
- Erdas Imaging & LPS (Satellite Photogrammetry).

2-Programming Language:

Have a very good experience in dealing with the computer programming, especially the survey and GIS application programs such as: Pascal, and ArcIMS 4.01.

4-Prizes:

1. International geodesy organization prize for the best academic performance, in satellite geodesy course, in Department of Surveying, in the year 1999/2000.

2. University Prize for the best academic performance, in the fifth year (1999/2000), in Department of Surveying, Faculty of Engineering & Architecture, University of Khartoum.

5-publication Papers:

- ☒ Optimum site selection strategist using GIS analysis techniques, International Journal of Multidisciplinary and Scientific Emerging Research (IJMSER), October 2014, Vol.3, No.1
- ☒ A multi-purpose utility model for urban areas in northern Khartoum using GIS, International Journal of Multidisciplinary and Scientific Emerging Research (IJMSER), October 2014, Vol.3, No.1.
- ☒ Nile interface of Khartoum centre using GIS analysis techniques(2013).

6-References:

1-Dr. Mohammed Ahmed Gorani (Supervisor of Ph.D. thesis)

Address: Department of Surveying Engineering, Faculty of Engineering, University of Khartoum, P.O. Box 321, Khartoum, Sudan.

Tel: 0918260098

Email:goranima@yahoo.co.uk

2-Dr. Gar elnabi Ibrahim Mohamed (Supervisor of M.sc. thesis and co-supervisor of Ph.D. thesis).

Address: Department of Surveying Engineering, Faculty of Engineering, University of Khartoum, P.O. Box 321, Khartoum, Sudan.

Tel:0122080877.

3-Dr. alshami Mohamed masaad - U.OF.K . DEP. Of surveying engineering .

Address: Department of Surveying Engineering, Faculty of Engineering, University of Khartoum, P.O. Box 321, Khartoum, Sudan.

Tel: 0912132662.

4-Dr.Fathalrahman Mohamed Adam

Assistant Professor

Civil Engineering Department,faculty of Engineering, Jazan University, Kingdom of Saudi Arabia

Tel: +966567755612

E. Mail: fat470@yahoo.com, faboh@jazanu.edu.sa, fatah@nilevalley.edu.sd

5-Dr. KAMAL ABDELLATIF ABDALLA SAMI

Address: Department of Surveying Engineering, Faculty of Engineering, University of Khartoum, P.O. Box 321, Khartoum, Sudan

Current Address: Town Planning and Survey Sector, P. O. box 1339

Al Ain Municipality, United Arab Emirate,

Tel: +971-3-7620116, Fax: +971-3-7635585.

Email: Kamal.Abdulla@am.ae, drkmal@yahoo.com.