



**HASHIM M. AL-ALI, Ph.D.**

**QUALIFICATIONS:**

- Ph.D. „Macroeconomic Development Planning- Modeling Approach-", The University of Wales, United Kingdom, 1975.
- M.Soc.Sc. "National Economic Planning ", The University of Birmingham, United Kingdom, 1972.
- B.Sc. (HONS.) "Economics ", The University of Baghdad, Iraq.

**PROFESSIONAL EXPERIENCE:**

PERIOD: Oct. 2011– Present

EMPLOYER: Ministry of Finance, Dhaka, Bangladesh/World Bank Project/PDP Australia Pty. Ltd.

POSITION: Senior Macroeconomic-Fiscal Modelling and Training Expert

Designing, structuring and implementing a customized, realistic, comprehensive and rigorous macro-fiscal model for the Bangladesh economy from the ground up based on general equilibrium principles, increasing the understanding at all levels of macroeconomic wing (MEW) and the overall financial division (FD) staff of the role of and appropriate approaches to economic modelling. Taking in consideration and ensuring that the macro-fiscal model that have been designed is well tailored to reflect the existing needs of the Bangladesh economy for effective tools, to carry out forecasting and analyzing the economy, in a consistent quantitative manner, together with the sought after integration of national economy's various segments and sectors, in such a way to establish a well structure and development oriented and conducive medium-term budget framework (MTBF) and public finance management (PFM) settings, this is besides, the structured model is well appropriate and compatible with latest modelling environment and policy practice used worldwide. In parallel and in support of the modelling aspects and its calibration, a database of macroeconomic time series is being built which provides the data for the Model's implementation, supports macroeconomic analysis and forecasting, and

facilitates the preparation of variety of macroeconomic reports. This is in addition to my other functions in; preparing a concept papers with a blue print for the modelling framework, work on the medium term budget strategy, carrying out and/or supervising research on different features of the Bangladesh economy to support implementation of the macro-fiscal model, enhancing the national capacity building through conducting practical training on the design, use, maintenance and update of the model and assisting in transferring the model and modelling knowledge to MEW and its staff which would be carried out in phases, amongst others.

PERIOD: Dec. 2011– April 2012

EMPLOYER: Ministry of Planning and International Cooperation (MOPIC), Amman, Jordan and UNDP, Amman (With desk work carried out in Ottawa and Dhaka)

POSITION: Senior International Consultant, Social Accounting matrix (SAM)

Devising, structuring and constructing a comprehensive and first Social Accounting Matrix (SAM) for Jordan, for the economic year 2006. Preparing, completing and submitting a detailed analytical, statistical and planning reports on the constructed JOSAM , its contents, methodology and its future planning use, as an effective socio-economic development planning tools, for Jordanian economy and related development and planning issues such as; poverty analysis and impact assessments and studies.

PERIOD: July 2011– September 2011

EMPLOYER: Ministry of Planning and International Cooperation (MOPIC), Amman, Jordan

POSITION: Senior Macroeconomic Development Planning and Modelling Advisor

Working on and supervising the process of structuring the applicable and realistic template and framework of the Jordanian Social Accounting Matrix (JOSAM). This comprehensive Matrix is based on the available input-output table of the economy, the results of the household survey, the results of the labour and employment survey, the availability of disaggregated statistics on government budget and public accounts, foreign trade statistics, monetary data and balance of payments accounts. Having the data collected and obtained to fit into the structured framework, starting inputting some of the collected data into the right sub-matrices and blocks of the main JOSAM framework, and training the national professionals on-the-job of how to structure a SAM of the economy, how to clean, rationalize, value and input different data segments of the main matrix and how to balance such a comprehensive data set (SAM). Supervising this on-going process, which may take few months, thereafter, it is scheduled to carry out the balancing and hence finalizing the JOSAM before the end of 2011.

PERIOD: January 2011– June 2011

EMPLOYER: Ministry of Finance/World Bank Project, Dili, Timor-Leste

**POSITION:** Senior Macroeconomic and Fiscal management Advisor

Assisting staff analyze and preparing various macroeconomic and fiscal reports, developing technical guidance for the staff on selected topics, establishing the key technical responsibilities of the National Directorate of Macroeconomic (NDME) and strengthening linkages between the NDME, various MOF departments and other economic related government agencies. Undertaking specific training and skills development based on technical requirements of the NDME, developing a training plan and training programme that includes: (i) macroeconomic management and fiscal policy analysis; (ii) technical skills for forecasting and modeling; (iii) interpreting macroeconomic data; (iv) basic economic language and numeracy skills. Monitoring and evaluating training and capacity building initiatives and adjust programs/ trainings as required and providing “hands-on” training for the structuring, building and articulating of realistic and applicable macroeconomic and fiscal management models. Preparing and formulating a Strategic Development Plan and National Development 2030 Vision. Supporting developing a monitoring arrangement for macroeconomic and fiscal management systems, supervising establishing standardized macroeconomic databases, developing and enhancing a Medium-Term Fiscal Framework for Timor-Leste, providing technical macroeconomic and fiscal management advice to the Ministry as and when required, and performing related duties as requested by the Minister, Vice-Minister and Director General of the MOF.

**PERIOD:** June 2010– December 2010

**EMPLOYER:** Department of Statistics (DOS) and the Ministry of Planning and International Cooperation (MOPIC), Amman, Jordan

**POSITION:** Senior Macroeconomic Development Planning and Modelling Advisor

Review and finalize the construction of the Input-Output tables for Jordan, the work and the project that I have started conducting early 2009, and have trained the national professionals to collect the right data and carry out the data processing that delineated to build the I/O tables. Finalizing and producing the main I/O tables, namely: 1) the total Industry by Industry I/O table, 2) the Domestic Industry by Industry I/O table, 3) the Import Matrix, and 4) the Leontief Inverse matrix. Making necessary adjustments to ensure that the different derived blocks of the tables and their entries are consistent, balanced and optimally structured to serve preparing the aimed at social accounting matrix (SAM). Preparing the most feasible and applicable plans and procedures for the application phase, together with structured road-map that determining the role of the concerned governmental ministries and other entities as well as private sector entities, research institutes and international organizations and

international community that can benefit from the applications of Input-Output Modelling and Techniques. Articulating and implementing selective modelling framework using I/O and CGE approach to carry out various policies analysis and development scenario alternatives for policy makers and planners, that appropriate to Jordanian economy and its evolving development and restructuring, on different dimensions. This, however, includes establishing a realistic manpower and human resources development planning tools, with approach of matching skills to labour market requirements, and establishing a more realistic Medium Term macroeconomic Framework (MTMF) for the economy which would be used as a fundamental base to structure the economy Medium Term Fiscal Framework (MTFF) 2011-2013.

PERIOD: July 2009– May 2010

EMPLOYER: National Economic Development Board/UNDP, Tripoli, Libya

POSITION: Senior Macroeconomic Development and Modelling Advisor/Chief Technical Advisor- Team Leader

Carrying out, in-depth, assessment of the National/Sectoral Libyan economy, existing models and Statistical data conditions, as well as institutional and regulatory framework governing the operations of data and modelling in Libya context. Analyzing and assessing the Libyan macroeconomic development and its evolving process overtime. Supervising, constructing and building the right applicable and feasible macroeconomic and forecasting strategic models for the Libyan economy. Supervising and directing other international consultants on the most applicable and plausible methodological aspects to modelling and quantifying Libyan economy and its future likely development and restructuring. Recommending modalities and instruments that Strategic Management of Development Programme (SMDP) at NEDB could apply in forging cooperation/work progress towards the development programme (2008-2012) implementation.

Proposing and structuring a customized integrated macroeconomic and Fiscal planning and forecasting modelling framework for Libya national economy, based on CGE approach and identify the related statistics requirements to articulate such modelling framework which is relevant to the economy and to be nationally sustainable. Carrying out and articulating various development scenario and policy alternatives through calibrating an integrated macroeconomic model on the Libya socio-economic development requirements, hence determining future development and economic outlooks. Planning and estimating financial resources requirements and public finance management of the economy within a comprehensive MTEF/MTFF, as well as devising the right economic and fiscal policy to preserve fiscal sustainability. Besides, determining manpower requirements , skill-wise, of various sectors development and the associated projects within the development programme. This is in addition to organizing workshop and preparing the right thematic papers, building the national capacity with training programmes and on-the-job training, preparing various seminars and working papers, leading a team of professionals, working and cooperating

with the GPC –for planning and finance, GIA and CBL in macroeconomic analysis, modelling structuring and implementation, choice of the right and appropriate economic development and diversification policy and strategy, identifying and suggesting statistical requirements and methodologies, preparing studies and economic reports/briefings to decision makers, preparing and carrying out various relevant presentations, as well as handling various ad-hoc assignments by the NEDB management. This is in addition to supervising a comprehensive contracted project on Strategic Management of Libyan Development Programme and Future Macroeconomic/Sectoral/Projects/Regional Outlook and Development Planning.

PERIOD: March 2009– June 2009

EMPLOYER: Ministry of Finance, Windhoek, Namibia, EU/ECORYS

POSITION: Team Leader/Senior Macroeconomic Modelling Specialist/PFM

Carrying out, in-depth, assessment of the existing models and Statistical data, as well as legal and regulatory framework governing the operations of data in Namibia. Hence, recommending modalities and instruments that Ministry of Finance (MOF) could apply in forging cooperation/work progress towards the end of the assignment.

Proposed and structured a customized integrated macroeconomic and Fiscal planning and forecasting modelling framework for Namibian economy, based on input-output modelling technique (IOM), social accounting matrix (SAM) and computable general equilibrium (CGE) model, and identify the related statistics requirements to articulate such modelling framework which is relevant to Namibian economy and locally sustainable. Besides, preparing Terms of Reference (TOR) detailing the execution and institutionalization of the proposed modelling framework, and future capacity building for all key players, i.e. Ministry of Finance, National Planning Commission, and Bank of Namibia, staff members for maintaining and operating the proposed comprehensive modelling framework.

PERIOD: Dec 2008– March 2009

EMPLOYER: Department of Statistics, Ministry of Planning and International Development, Amman, Jordan

POSITION: Senior Macroeconomic Advisor/Public Finance Specialist

Building full-fledged Input-Output tables for the Jordanian economy, from the beginning, and supervising and leading a team of professionals to build such comprehensive tables. Work out the best practices for Economic development strategy and building comprehensive macroeconomic and forecasting models, based on Input-Output tables and techniques. Leading a technical and interdisciplinary team, and building the national capacity in planning, modeling and statistics. The project is funded by USAID.

PERIOD: October 2008– Nov 2008

EMPLOYER: Ministry of Planning and International Cooperation (MOPIC),

Jordan, HTSPE/FSG-Finland/European Union-Delegation of the European Commission, Jordan

POSITION: Senior Macroeconomist/Public Finance Specialist

Having effectively participated as the macroeconomist advisor in the final appraisal mission of the Poverty Alleviation through Local Development Programme in Jordan (PALD). As a member of the mission, I have participated in assessing, in details, the achievement of the each of the agreed performance indicators that are defined in the programme agreement between GOJ and EC. Besides, having carried out a thorough macroeconomic analysis and evaluating - in quantitative and qualitative manner- the impact of various macroeconomic variables and development policy, investment allocations, project location, sectoral growth, fiscal and budgeting planning, monetary policy and activities, and other related policy and developments in the economy on the poverty measures and reduction through local development, and on the regional, governorate, local and municipal level.

PERIOD: October 2007– September 2008

EMPLOYER: The National Bank of Azerbaijan, Baku, Bankworld Inc/USAID

POSITION: Senior Macroeconomic/Monetary Policy Advisor, Financial Stability Support Program, USAID/Azerbaijan

Devise monetary management and research strategy of the National bank of Azerbaijan (NBA). Develop and implement a comprehensive and effectively functioning financial programming and forecasting model based on CGE modelling principles, which facilitates the implementation of an enhanced inflation targeting-base macroeconomic and financial policy framework and integrating the forecasting and analysis of real sector, fiscal, financial (monetary) and external sector of the national economy. Building the indigenous professional and technical capacity at the NBA, particularly, in analysis, policy initiatives and modelling structure and implementations. Develop and assist in the introduction and application of improved indirect instruments of monetary policy and monetary control in a manner conducive to the more rigorous conduct of an inflation targeting-base monetary management policy framework.

PERIOD: June 2006– September 2007

EMPLOYER: The National Revenue Authority, Freetown, Crown Agents/ DFID

POSITION: Senior Economic Advisor, National Revenue Authority –Sierra Leone-

FUNCTIONS:

Carrying out a advisory work on the “Support to the National Revenue Authority (NRA)-Sierra Leone” project implemented by Crown Agents and funded by DFID, in Freetown. The main thrust of this assignment is to assess the NRA, MOF and Bank of Sierra Leone (BoSL) staff capability to carry out fiscal and revenue forecasting and impact studies, which involve the real economy variables and the important monetary policy variables to ensure consistency and economic alignment, hence proposing ways and means that need to be adopted in order to

develop the right technical capacity, within these institutions, to effectively handle policy impacts and forecasting methodology and modeling articulation. This is in addition to the main function of analyzing and proposing the required forecasting techniques that can be applied to carry out the aimed at, realistic, fiscal and revenue forecasting in Sierra Leone economy. Besides, reviewing and assessing all available statistical data and identifying the data gaps. These efforts are being carried out to support the implementation of the Medium-Term Fiscal Framework (MTFF) for the economy, devising more relevant economic development and fiscal policy, as well as to establish a realistic Medium Term Macroeconomic Framework taking in consideration the socio-economic policies and strategies of the Sierra Leonean PRSP.

PERIOD: June 2005 – May 2006

EMPLOYER: Ministry of Finance, Baghdad, Iraq, Maxwell Stamp, plc/ DFID

POSITION: Senior Economic Advisor, Macroeconomics/Macroeconomic Modeling

FUNCTIONS:

Working with the newly established Macroeconomic and Fiscal Policy Department (MFPD) at the Ministry of Finance (MOF) in developing and enhancing its operational capacity, through:

i) Training the staff to analyze the budgetary and fiscal impacts of development initiatives and economic growth and vice versa; ii) Training the MFPD staff on related macroeconomic analysis, and interrelationships among the real economy, fiscal and financial sectors; iii) Developing the Department capacity to estimate the GDP, Government expenditures, Government revenues and inflation, all critical factors in economic management, and coordinating these efforts with Central Organization for Statistics and Information Technology (COSIT), Central Bank of Iraq (CBI), Ministry of Planning and Development Cooperation (MoPDC) and Ministry of Oil, among others. This is imperative to create the economic integration, consistency and alignment of fiscal (recurrent and investment), PIP, monetary variables and trade factors; iv) Developing the capacity of the MFPD's staff to identify, collect and analyze statistics critical to development of macroeconomic projections and forecasting models, including statistics such as data on the real economy, fiscal sector, financial sector, external sector and socio-demographic indicators. This is processing in coordination with MoPDC, COSIT, Ministry of Oil and CBI; v) Working with the unit's staff to identify and advise policy makers on comprehensive approaches for effective budgetary and fiscal policy, and developing tools to monitor the required parameters so as to stay within economic targets, and to comply with EPCA conditionalities; vi) Developing the local Iraqi capacity through training and working directly with the expatriate advisors. Training the staff to conduct basic macroeconomic data analysis and modeling activities, together with carrying out various impact studies; vii) Developing and structuring the most feasible, realistic and applicable macroeconomic models for the Iraqi economy. This is carried out with the clear vision of the right calibration and numerical articulation of such selected models (aggregated macroeconomic models, IOM, SAM, PSIA, and CGE models); viii)

Developing and preparing the Macroeconomic Framework for the Iraqi Economy, ix) Advising and preparing the Medium Term Fiscal Framework (MTFF) for the Iraqi Federal Government annual Budget, x) Training the MFPD / MOF staff to implement and calibrate macroeconomic and forecasting models, enabling these to be used for policy analysis, alternative scenarios configurations and economic decision-making process; and xi) Providing associated support and strategic advisory services to the MFPD, MOF and other departments of Iraqi government at large, as appropriate.

PERIOD: September 2003 – June 2005

EMPLOYER: Central bank of Iraq and COSIT, MOPDC, Baghdad, Iraq, The Services Group, Inc/ USAID/BearingPoint Consulting Group

POSITION: Senior Advisor/Team Leader, Macroeconomics/Statistics

FUNCTIONS:

Working with USAID/CPA Iraqi Economic Restructuring Project, on the restructuring of the Iraqi economy, particularly, advising on economic, fiscal and monetary policies/strategies and reforms, as well as on statistics such as national accounts, CPI and other price indices, at the Ministry of Finance, Ministry of Planning and Development Cooperation, the Central Bank of Iraq (CBI) and the Central Statistics Organization (CSO). At the Central Bank; I was instrumental in drawing and delineating a comprehensive monetary policy and research strategy to achieve the monetary management objective in a given time span. In this respect, I have analyzed money market, devising policies related to selected economic and monetary issued and monitor exchange rate regime as well as working out the impact of monetary policy on the economic growth, inflation and stabilization. To this extend, I have structured and implemented a daily foreign exchange auction where US Dollar have been openly auctioned to commercial banks and money traders at a bidding exchange rate. This policy has significantly contributed to eliminate the supply bottlenecks for imported commodities, controlling and sterilizing the excess in the money supply (money in circulation) so as to prevent and curtail run-away inflation as well as to stabilize the exchange rate of the Iraqi Dinar vis-à-vis the US Dollar . Also we carried out weekly auction on Treasury Bills (TB) to promote saving and mobilizing economic resources . In additions, I have participated in establishing and supervising a monetary policy group within the CBI, to propose and implement monetary policy aspects that needed to stabilize the economy and deal with the any excess liquidity, such as: managed floating exchange rate, inflation targeting, interest rate, over-night deposit, banking reserve, ...etc. Besides, special departments and units have been created and staffed as well as trained within the CBI, these are department of research and statistics, macroeconomic analysis unit, monetary policy units, auction unit, ...etc.

Carrying out institutional reforms, building up the, much needed, national capacity, training the national staff on economic analysis, economic development and planning, fiscal and monetary policies, statistical and quantitative methods and analytical tools. Advise on macroeconomic policy, restructuring and



development strategies, development planning, policies and issues. This is besides, establishing the working relationships between the real economy and the financial/monetary economy of Iraq.

PERIOD: Jan. 2003 – September 2003

EMPLOYER: Central Bank of Afghanistan –Da Afghanistan Bank-, Kabul/The Services Group/ BearingPoint/USAID

POSITION: Senior Advisor, Macroeconomics

FUNCTIONS:

Working with USAID Afghanistan Economic Governance Project, on the restructuring the Afghani economy, particularly, advising on fiscal and monetary policies and reforms, at both Ministry of Finance and Central Bank. In this respect, I have Carried out institutional reforms, building up the much needed national capacity, training the national staff on economic analysis, fiscal and monetary policies, statistical (national accounts and CPI) and quantitative methods and analytical tools. Establishing and operating a weekly foreign exchange auction at DAB, with the participation of the money traders, to work as sterilizing instrument to control excess money supply and hence curtailing the rate of inflation. Advise on macroeconomic policy and issues, as well as establishing the (required) relationships between the real economy (sectors) and the financial/monetary economy (segments).

PERIOD: Sept. 2002 – Jan. 2003

EMPLOYER: Ministry of Finance and economic Development, Pristina, Kosovo, The Services Group, Inc/BearingPoint Group/USAID

POSITION: Senior Macroeconomist / Senior Consultant

FUNCTIONS:

Working with the USAID Sustainable Economic Policy and Institutional Reform Support Program for Kosovo, on the structuring a macroeconomic framework for Kosovo economy, building and formulating an aggregated macroeconomic accounting model (based on SAM, flow-of-fund and CGE models) for Kosovo economy, to be used for decision making different scenarios implications and alternative policy analysis, calibrating, computerizing and implementing the formulated macroeconomic analytical model. Hence creating an analytical tools to analyze and implement development planning policy, viable medium term macroeconomic framework and carry out the sought after economic restructuring. Besides, carrying out practical training (capacity building) for the Central Fiscal Authority (CFA) –now Ministry of Finance- staff on economic analysis, economic development and planning, fiscal policy, budget and project cycle and economic modeling for decision making, impact analysis and revenue and economic forecasting purposes. Participating in designing, building and implementing a comprehensive Macroeconomic Monitoring System (MEMS) for Kosovo.

PERIOD: 1997 - 2002

EMPLOYER: Wharton Econometric Forecasting Associates ( WEFA, Inc. ),  
Eddystone, Pennsylvania

POSITION: Senior Economist/ Global Services Group Director

FUNCTIONS:

Development and management of the international consulting business (with special

Emphasis On the Middle East and Africa), participating in the Middle East and Africa

Forecasting Functions, Directing and applying mathematical and econometric models,

supervising various applied research work on strategic planning, manpower planning and economic development

as well as directing and supervising WEFA, Inc. Training Program.

PERIOD: Feb. 2000 - Feb. 2001

EMPLOYER: Ministry of Planning and Development, Sana'a, and WEFA/  
UN/DESA Strategic and Regional Planning Project

POSITION: Senior Macroeconomist/ Development Planner

FUNCTIONS:

Preparing, the long-term development vision (2025) and the strategic second development plan (2001-2005) for YEMEN. Carrying out and preparing the macroeconomic

framework, projections and outlook. Analyzing the private sector role and how to be developed and effectively participated in the Yemen economy and labour market development and manpower planning within the second development plan framework. Training the ministry staff on planning techniques and plan preparation processes. Leading a professional team in planning and economic development efforts.

PERIOD: 1997-1998

EMPLOYER: The Emirates Centre for Strategic Studies and Research (ECSSR)  
Abu Dhabi, UAE/WEFA, Inc.

POSITION: Senior Research Fellow/ Head of Economic Analysis Department

FUNCTIONS:

Developing and building the Input-Output table (IOM), Social Accounting Matrix (SAM)m and Computable General Equilibrium (CGE) Model for The United Arab Emirates economy (UAE). At this modelling efforts, I have attempted to bring all economic variables, i.e. real sector, fiscal, monetary, external and social sector together in a comprehensive and integrated approach of a realistic economic diversification policy and strategy, including the manpower development and labour market dimension. Initiating, participating and supervising a comprehensive and long-term study on economic development, economic diversification away from crude oil and the role of private sector in the UAE economy.

Conducting and preparing variety of confidential policy and research papers as

well as memos and reports for decision making purposes.

PERIOD: 1996 - 1997

EMPLOYER: Lebanon Valley College of Pennsylvania, U S A.

POSITION: Adjunct Professor

FUNCTIONS:

Teaching: a) Macroeconomic Analysis, b) Intermediate Microeconomic Analysis, c) Quantitative Methods, and d) Senior Seminar.

PERIOD: December, 1995-March, 1996

EMPLOYER: Ministry of Planning and Development, Sana'a, Yemen, UN/DDSMS Support to the Development Plan of the Republic of Yemen.

POSITION: Development Policy Consultant

FUNCTIONS:

Advising the government of the Republic of Yemen (ROY) on sectoral and regional policy aspects of the First Five -Year Plan 1996-2000, and Preparing the 1996 PIP, Advising on how to enhance sectoral growth and efficiency, and devising relevant policies for that purposes. Estimating the investment requirements/availability and identify the external resource gap. Propose and identify policies for encouraging the private sector in funding investment requirements, and devising privatization policies and procedure. Preparing technical reports on different aspects of the national development plan, particularly on the projects' priorities and ranking, as well as drafting few chapters of the plan document, i.e. private sector development and privatization, health, education, tourism and social services sector's development.

PERIOD: August, 1991 - September, 1995

EMPLOYER: Ministry of National Development and Economic Planning, Ministry of Finance and Bank of Sierra Leone, Freetown,

Sierra Leone/UN/DTCD (DDSMS) Economic Management and Planning Project.

POSITION: Chief Technical Adviser/Senior Macroeconomist.

FUNCTIONS:

Advise on macroeconomic policy, financial management, the structure adjustment programme and matters related to government administrative reform/rehabilitation. Preparing the development strategies and policies framework paper, advising and supporting the Ministry of finance, Development and Economic Planning on the preparation of a Medium-Term Development Plan and the production of an updated Public Investment Programme (PIP). Coordinating all issues and policies relating to economic and financial management, between the three Central Agencies: the Ministry of Finance, the Bank of Sierra Leone and the Ministry of National Development and Economic Planning. Liaison with IMF/ World Bank Missions on proposed structure adjustment measures, with other related UNDP Projects, and with the ILO/World Bank for developing an action programme for alleviation of poverty and social consequences of the adjustment. Advising on Aid Management and Aid Coordination; including advising on proposed Round Table Donor Meetings. As a

Project Manager and Team Leader; I coordinate the activities of the project's team and serve as a link between the team and the national authorities, the UNDP Office and the UN/DTCD Headquarters. Preparing the project progress reports, the annual PPER and the terminal report. Carrying out the administrative and other actions required to ensure the smooth functioning of the Project.

PERIOD: June, 1991 - July, 1991

EMPLOYER: Ministry of Planning and Development, Sana'a, Yemen/UN/DTCD Water Resources Mission.

POSITION: Macroeconomic Consultant

FUNCTIONS: Preparing an overview of macroeconomic development, GDP and sectoral growth, the structure of the economy, the government revenues and expenditures, the structure of the expenditure on Gross Domestic Product, the investment and its sectoral structure, employment and productivity, international trade and balance of payments and the inflation and price movements.

Identifying the key economic issues and relevant policies pertaining to water resources. Outline alternative macroeconomic planning approaches and their water resources implications and proposing the future research activities needed for planning support. Participate in the preparation of the final mission report.

PERIOD: July, 1989 - July, 1991

EMPLOYER: Ministry of Planning, Riyadh, Saudi Arabia/UN/DTCD Development Planning Advisory Services Project.

POSITION: Chief Technical Adviser/Senior Economist

FUNCTIONS:

Advise on and undertake activities related to planning methodology and procedures, development plans' preparation, the preparation of periodical reports evaluating the performance of the Kingdom's development plans and the economy at large. Advise on and review the development programmes, projects and policies, and analyze their economic and social implications using variety of specially structured macro and sectoral models, as well as examining the institutional arrangements for implementation, and the role of private sector in socio-economic development of the kingdom. During this period of work, I have continued developing and integrating the various sectors of the economy, i.e. real, fiscal, monetary and external sector, in a comprehensive analytical framework to achieve the aimed at consistency and economic diversification, hence realistically lessen the dependency on crude oil sector of the economy. Besides, the manpower and productivity aspects of the economy have been integrated and articulated. Organizing the training programmes of national staff. Handle various other tasks related to development planning advisory work. As a Project Manager and Team Leader; coordinate the activities of the project's team and serve as a link between the team and the national authorities, the UNDP Office, and the UN/DTCD HQ. Prepare project progress reports, the annual PPERs and the terminal report. Carry out the administrative and other actions required to ensure the smooth functioning of the project.

PERIOD: August, 1988 - July, 1989

EMPLOYER: Ministry of Planning & Economic Development, Kampala, Uganda/  
UNDP/IBRD Planning Assistance Project.

POSITION: Senior Macroeconomic Planning Adviser

FUNCTIONS:

Analyzing and forecasting of national accounts including the balance of payments contents; analyzing the development of prices, employment and income, and related policy proposals; elaborating the economic indicators and foreign exchange plan; advising on and assisting in formulating development activities, objectives and sectoral targets; analyzing the relative significance and interrelationships of sectors; preparing relevant planning models and reporting on the choice of model to be used economy-wide as planning tool; constructing and operationalizing comprehensive computer-based macroeconomic model(s) for the Ugandan economy which can forecast and simulate GDP and its various components, balance of payments and resource gaps; and training of counterparts on the techniques of economic development and planning analysis and forecasting.

PERIOD: February, 1978 - August, 1988

EMPLOYER: The Ministry of Planning, P O BOX 358, Riyadh 111B2, Saudi Arabia

POSITION: Senior Economic Planning Adviser

FUNCTIONS:

Planning for economic and social development in the Kingdom; devising the overall development strategy and plan's objectives and policies; this including devising fiscal, monetary and macroeconomic policies that have to be implemented in order to creating a conducive environment to stabilize the economy, curtailing the, then, high rate of inflation and increasing manpower productivity; preparing three medium-term (five years) economic development plans; carrying out the macroeconomic projections and analysis for the national economy; constructing, articulating, supervising, directing and carrying out various planning, modelling and quantitative studies (i.e. Input-Output Models (IOM), Social Accounts Matrix (SAM), Aggregated Macroeconomic Models, Computable General Equilibrium (CGE) Model, Regional Planning Model, Manpower Development Model analyzing the Saudi labour market with its two main components of Saudis and non-Saudis labour force and by skills and gender, Transportation Model, and others) on various dimensions and aspects of the economy. The main feature of these models are their ability of integrating and actually articulating the various aspects of the economy, that includes; real economy, fiscal sector, monetary sector and external sector as well as social sector's aspect. This is beside, constructing and drawing national energy plans; forecasting investment requirements and planning its allocation by sectors and industries as well as by regions; preparing and drawing a comprehensive national plan for science and technology and giving advice to the various departments of the Ministry of Planning and other government agencies.

PERIOD: February, 1977- February, 1978

EMPLOYER: IBM(U.K.) Scientific Centre, Peterlee, Co. Durham, ENGLAND

POSITION: Senior Research Fellow

FUNCTIONS:

Constructing and implementing the input-output tables for Scotland and carrying out various practical applications of the input-output models and techniques to the Scottish economy. Amongst other things, inter-industrial linkages, various input-output multipliers and energy requirements of the Scottish economy and the impact of the North Sea Oil on the Scottish economy have been worked out and results have been published.

PERIOD: July, 1975 - February, 1977

EMPLOYER: The Iraqi National Oil Company, Baghdad, Iraq.

POSITION: Senior Research Fellow

FUNCTIONS:

Carrying out research on demand analysis, forecasting of world energy demand and domestic Energy requirements by type and sectors, analyzing as well as conducting crude oil production and pricing policies. Besides, building and implementing a comprehensive multi-dimensional model for optimal energy sources distribution and utilization network.

PERIOD: September, 1975 - July, 1976

EMPLOYER: The University of Baghdad, Baghdad, Iraq.

POSITION: Assistant Professor

FUNCTIONS:

Lecturing on the following subjects:

- Planning Methodology and Techniques
- Mathematical and Quantitative Economics
- Applied Econometrics.

#### **SOCIETIES AFFILIATION:**

1. The Regional Science Association, Pennsylvania, U.S.A.
2. The Input-Output Research Association, London, UK.

#### **PUBLICATIONS:**

1. "A Note on the Problem of Optimal Use of Oil Revenues for the Development of Oil Producing Countries", paper presented at Energy Economics Conference, Aberystwyth, Wales, March, 1975 and published in the Iraqi Economist Journal, July, 1976.
2. "An Input-Output Approach to Analysing Energy Requirements: An application to the Scottish Economy in 197:3", paper presented at the Input-Output Research Association conference in London, Sept., 1977 and published in Goseling, W.F. (Ed.) "Input-Output and Marketing", Input-Output Publishing Company, London, 1980.

3. "An Application of a Multi-Dimensional Development Planning Model in Dynamic Framework to the Iraqi Economy", paper presented at the German Economic Association Conference on Development Planning in Developing Countries, Hamburg, Germany, November, 1977.
4. "The Construction of the 1973 Scottish Input-Output Tables", I.B.M. (U.K.) Scientific Centre Report 0091, March, 1978, with the project's team.
5. "Input-output Tables for Scotland 1973", Scottish Academic Press, 1978, with the project's team.
6. "An Analysis of some aspects of the Scottish economy using Input-output techniques", IBM (U.K.) Scientific Centre Report 0096, August, 1975.
7. "An Analysis of the Economic Impact of the North Sea Oil Activity on the Scottish Economy in 1973", Journal of Managerial and Decision Economics, Vol. 1, No. 2, 1980.
8. "Input-Output Analysis of Energy Requirements", Journal of Energy Economics, Vol. 1, No. 4, October, 1979.
9. "The Oil Sector in the Saudi Economy in Mid-1970's: An Inter-Industrial Approach", Journal of Energy and Development, Vol. VI, No. 1, Autumn, 1980.
10. "Development Planning and Manpower Requirements in the Kingdom of Saudi Arabia: Problems and Solutions", paper submitted to the symposium on State, Economy and Power in Saudi Arabia, Centre for Arab Gulf Studies, University of Exeter, U.K., July, 1980.
11. "Economic Development and the Optimal Choice of National Transportation Network", paper published in the proceedings of the Seminar on Hajj Transportation Problem in the Kingdom of Saudi Arabia, MOP Press, Riyadh, 1981. ( in Arabic).
12. "The Measurement of Regional backwardness in Iraq", An Advanced Project submitted as part of the requirements for the M.Soc..Sc. in National Economic Planning, The University of Birmingham, England, September, 1972.
13. "Optimal Inter-regional Allocation Dynamic Model of Economic Resources for the Iraqi Economy - A study based on Input-Output analysis and programming techniques", Dissertation submitted for PhD. degree in National and Regional Economic Planning - Mathematical Programming Approach - The University of Wales, U.K., May 1975.
14. "Inter-Industrial Linkage, Import Leakages and Industrial Development Strategy in Saudi Economy", Discussion Paper, National Economic Planning, Ministry of Planning, May 1979, (Mimeographed).
15. "Manpower Planning Methodology and An Empirical Analysis of Manpower Requirements of the Saudi Economy", Research Paper, National Economic Planning, Ministry of Planning, June, 1979 (Mimeographed).
16. "Towards a Comprehensive National Plan for Energy Utilization in the Kingdom of Saudi Arabia", Discussion Paper, National Economic Planning, The Ministry of Planning, May 1982 (in Arabic) - (Mimeographed)

17. "The Behavioural Relationships between Growth Rates of Actual Government Expenditure, Money Supply and Inflation in Saudi Economy, - Analytical and Empirical Study -", The Journal of Arab Peninsula and Gulf Studies, Vol. X, No. 37, Kuwait, January, 1984.
18. "The Consumption Pattern of Private Sector in Saudi Economy", The Journal of Arab Gulf Studies, Vol. 2, No. 1, London, April, 1984.
19. "Planning Models and the Role of statistical Sample and Inference and Their Applications to the Saudi Economy", in Abu Ama et al (ed.), "Development in Statistics and its Applications", King Saud University Press, Riyadh, 1983, Chapter 21, pp 373-392.
20. "A Comprehensive Inter-regional Freight Transport Model and its Application to the Saudi Economy", paper presented at the Eight North Pacific Regional Science Conference, Tokyo, Japan, August 17-19, 1983.
21. "Development Strategy and optimal Allocationl of Resources Among Arab Gulf Corporation council Countries", Chapter in GCC (ed.) " Arab Gulf Integration", King Saud University Press, 1985.
22. "Towards the Measurement of Absorptive Capacity of the Saudi Economy 1390-1400", The Journal of Arab peninsula and Gulf Studies, Vol. IX, No. 36, Kuwait, October, 1983.
23. "Towards a Comprehensive Energy Plan for Arab Gulf Countries", Paper presented at the First Arab Solar Energy Conference, Kuwait, December 2-8, 1983, Chapter 1 in Alawi, H., et al (Ed.) "Solar Energy and the Arab World", Pergamon Press, Oxford, 1983.
24. "The Energy Plan for the Kingdom of Saudi Arabia; A Structural View", Working Paper, National Planning, Ministry of Planning, Riyadh, December, 1987.(Mimeographed)
25. "Some Thoughts on the Devaluation of the Exchange Rate and Development Process: With Special Reference to the Uganda Economy", Discussion Paper, Ministry of Planning and Economic Development, Kampala, November, 1988 (Mimeographed)
26. "Adjusting the National Income Accounts Series with New Base Year to reflect the recent trends of the Structural Change in the Ugandan Economy", Working Paper, MPED, Kampala, December, 1988.
27. "Development Objectives, Strategic Principles and Policies for the Ugandan Economy", Discussion Paper, MPED, Kampala, April, 1989.
28. "Proposed Planning Methodology for the Ugandan Economy", Discussion Paper, MPED, Kampala, April, 1989.
29. "Some Analysis and Measurements of Aggregated Import Requirements in the Ugandan Economy", Working Paper, MPED, Kampala, 1989.
30. "The Choice of Comprehensive Planning Models: Input-Output and integrated Macroeconomic Planning Models for the Ugandan Economy", Technical Report, UNDP/IBRD/MPED, Kampala, May, 1989.
31. "The Structure of the Fifth Development Plan and its Main Themes", Working Paper, Ministry of Planning, Riyadh, January, 1990.
32. "The Development Planning Process and Experience in Saudi Arabia", Working Paper, MOP, Riyadh, March, 1990.



33. "Perspective Development Planning Approach for the Saudi Economy". Discussion Paper, MOP, Riyadh, October, 1990.
34. "Macroeconomic Overview, Key Issues and Development Planning Approaches for the Republic of Yemen's Economy". Chapter III, in UNDP/UNDTCD Report on Water Sector overview in Yemen, July, 1991.
35. "The Development objectives, Strategies and Policies for Sierra Leone's Economy", Working Paper, Central Planning Unit, Ministry of Finance, Development and Economic Planning, Freetown, October 1991.
36. "Macroeconomic Overview, Key Issues and Policy Options for the Sierra Leone's Economy", Paper Presented at CTAs Annual Retreat, Lakka, 4-6 October, 1991, Freetown.
37. "Measurement and Analysis of Consumption Behaviour in Sierra Leone", Paper Presented at the Seminar on the Use of Household Survey Data, 2-4 February, 1992, Freetown. Published in the proceedings.
38. "The Use of the Labour Force Survey Results in National Economic Planning", Paper presented at the Seminar on the Use of Household Survey Data, 2-4 February, 1992, Freetown.
39. "Statistics: Issues and Requirements for Socio-Economic Development Planning in Sierra Leone", Key Paper presented at the Workshop on Statistics: Requirements and Collections - Case of Sierra Leone. UNDP/UNDESD/MOFDEP/BSL, 7 - 8 April, 1992, Freetown. Published in the proceedings.
40. "Towards a Realistic Planning Approach and National Development Plan for Sierra Leone", Working Paper, MOFDEP, Freetown, January, 1993.
41. "Proposed Project Objectives for the preparation of a Revised Public Investment Programme for Sierra Leone", Working Paper, DODEP, Freetown, October, 1993.
42. "The Medium-Term National Development Plan Preparation: Stages, Tasks and Time Frame", Working Paper, DODEP, Freetown, February, 1994.
43. "Aid Coordination in Sierra Leone- Analysis of Current Situation and a Proposal for Institutional Setting", Technical Report, DODEP, Freetown, February, 1994.
44. "The Structure of the Sierra Leone Economy, 1981/82 - 1991/92", Technical Report, DODEP, Freetown, April, 1994.
45. "Mathematical Models and Their Uses in Realistic Development Planning in UAE", Future Outlook ( ECSSR Quarterly Journal, in Arabic), March, 1998.
46. "Forecasting Future Performance of the UAE Economy on the Light of International and Domestic Changes in Different Variables", Confidential Paper Written for the Decision Makers, September, 1998.
47. "The Economic Linkages and Leading Sectors in UAE Economy in the Nineties", Strategic Research Paper, ECSSR, Abu Dhabi, October, 1998.
48. "Private Sector Development and Privatization Procedures and Preconditions for UAE Economy", Future Outlook, Abu Dhabi, November, 1998.

49. " Macroeconomic Quantitative Analysis of the Yemen Economy (2001-2005)", Planning Paper No. 12, Sana'a, December, 2000.
50. " The Development Partnership- Private Sector Development and Privatization in Yemen Economy", Planning Paper No. 10, Sana'a, October, 2000.
51. " Statistical Requirements for Socio-Economic Development Planning and Decision Making in Yemen", Planning Paper No. 14, Sana'a, February, 2001.
52. " An Aggregated Macroeconomic Accounting Model and Its Applications for Kosovo Economy", Pristina, December, 2002
53. "Macroeconomic Overviews of the Afghanistan Economy" , Da Afghanistan Bank , Kabul March,03
54. "Economic and Statistic Quarterly Bulletin", March and June 03 Issues, Da Afghanistan Bank, Kabul March 03 and June 03.
55. The Analysis and the Mechanics of the Central Bank of Iraq Foreign Exchange Auction, March 2004
56. Some Important Components of Monetary Policy Theme for the Iraqi Economy, February, 2004
57. Methodology for Estimating Gross Domestic Products - Iraqi Economy-, November 2003
58. Price Movements in the Iraqi Economy during August 2003 to June 2004, June 2004
59. Selective Macroeconomic and Sectoral Indicators of the Iraqi Economy, April, 2004
60. Proposed Aggregated Macroeconomic Model for the Iraqi Economy, October 2005
61. "Revenue Forecasting Analytical Approach, Capacity Building and Training Program for the Staff of the National Revenue Authority -Sierra Leone" Report Submitted to NRA by Crown Agents/DFID, Freetown/London, August 2006
62. "The Determination of the Goods and services Tax (GST) Threshold in Sierra Leone Economy", Applied Working Paper, Crown Agents/DFID/ National Revenue Authority (NRA)/Sierra Leone, Freetown Nov 2006
63. "Determination of the GST Rate for the Sierra Leonean Economy-An Empirical analysis", Empirical Working Paper, CAs/DFID/NRA-Sierra Leone, Freetown Dec 2006
64. "The Determination of the Real Money Demand in Azerbaijan Economy - An Empirical Study-, National Bank of Azerbaijan, Baku, January 2008
65. "The Construction of the 2006 Jordanian Input-Output Tables", Technical Paper, Series No. 2, Department of Statistics (DOS), Ministry of Planning and International Cooperation (MOPIC), Amman, Jordan, March, 2009
66. "Towards An Integrated Macroeconomic-Fiscal Planning and Forecasting Modelling Framework for the Namibian Economy" –Support to the Ministry of Finance to Develop a Macroeconomic Integrated Modelling Framework for Fiscal Policy Planning Project-, Technical Report, EU/ECORYS/EPAS/MOF, Windhoek, Namibia, June 2009

67. "A Short Note on the Preparation Process of the Medium-Term Budget and Its Strategic Interconnections with Macroeconomic Framework for the Libyan Economy", Technical Paper presented at the Workshop on Libyan Medium-Term Budget (2010-2012), Tripoli, Libya, October 2009
68. "The Macroeconomic Modelling Efforts at the Libyan National Economic Development Board (NEDB)" Short Paper published in the Alestishraff Magazine of the NEDB, Tripoli, January 2010
69. "Towards An Efficient and Functional Statistical System for the Libyan Economy: Practical Institutional and Methodological Policies and Recommendations", Research Paper, SMDP/NEDB, Tripoli, Libya, February 2010
70. "The Social Accounting Matrix (SAM) for Jordan, 2006 -An Analytical and Planning Tool for Growth, Income Distribution and Poverty Reduction-", A technical Report, UNDP, Amman, April 2012
71. " The Integrated Macro-Fiscal Forecasting Model and Its Application for the Bangladesh Economy", Technical Report, TR Number 14, MOF/WB/SPEMP/PDP, December, 2012
72. Numerous Working and Review Papers and Memos.

**LANGUAGES:**

Arabic: Mother Tongue

English: Fluent

Swahili: Minimum Working Knowledge

Krio: Minimum Working Knowledge

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