

MACROECONOMIC MODELLING AND FORECASTING

► Objective of the programme

The Kenya Institute for Public Policy Research and Analysis (KIPPRA) is a public think tank with the mandate of developing capacities for policy formulation, implementation, monitoring and evaluation within National and County governments. KIPPRA also engages in undertaking relevant and timely policy research and analysis, serves as a point of policy engagement and communication on public policy, and develops and maintains a reservoir of knowledge on public policy in contributing to the achievement of national development goals.

To identify appropriate policy options and quantify the impacts of various policies on their economies, policy makers need to build empirical models to project the likely direction of important economic indicators. This calls for skills on how to run simulations and make forecasts, how to build policy scenarios, and how to use a macro model to monitor and evaluate policy options. This is a skill gap for many policy makers and researchers. KIPPRA seeks to bridge this gap through the Macro Economic Modelling and Forecasting course.

Mode of delivery ►

The programme takes ten (10) days with a total of 60 contact hours of hands-on learning, practicals and modelling experiments. Attendants of the course are advised to bring a laptop.

► Learning outcomes

At the end of the Macro Economic Modelling and Forecasting course, participants are expected to demonstrate the following learning outcomes: -

- 1 Be able to analyse time series data.
- 2 Demonstrate understanding of ability to build a prototype macroeconomic model.
- 3 Demonstrate understanding of ability to run simulations and make forecasts.
- 4 Apply skills and knowledge acquired to build policy scenarios.
- 5 Be able to use a macro model to evaluate policy options.

Facilitation ►

This course will be facilitated by KIPPRA trainers using a learner-based approach to achieve global best practices in adult learning.

► Who should participate?

The course targets policy makers, policy analysts, researchers and National and County Government Officers who would like to sharpen their skills in policy analysis and research. This includes officers from the National and County governments, the private sector and civil society organizations.

Training sessions ◀

The sessions for this course are designed to bring out key skills in running macroeconomic simulations, making forecasts, building policy scenarios, interpretation of results and evaluating policy options. They introduce concepts and macroeconomic tools used in modelling and forecasting to present topics which are relevant to the National and County government, private sector and civil society officers to strengthen their skills and knowledge to monitor and evaluate policy options.

► Sessions

- 1 Overview of Policy, Theory & Models.
 - Introduction to Economic Models and Economic Policy.
 - Steps in Macroeconomic Modelling.
 - Macro models and overview of KIPPRA-Treasury Macro Model (KTMM).
- 2 Theory in macroeconomic modelling.
- 3 Diagnosis of time series data.
- 4 Building a Prototype Model.
- 5 Introduction to KIPPRA-Treasury Macro Model (KTMM).
- 6 Practical Applications of macroeconomic models- Policy analysis and forecasting.

Capacity needs assessment ◀

To ensure we tailor the course to the training needs of the participants, KIPPRA conducts a capacity needs assessment before conducting the Macro Economic Modelling and Forecasting course.

For more information, contact



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