

**AMMNET: Hands-On Workshop on Malaria modeling**

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| **DAY ONE (THURSDAY, 7TH AUGUST, 2025) Moderator: Prof. Paul K** | | |
| 8.00 – 9.00am | Courtesy call & Registration | Secretariat/ Dr. Alice Lunani |
| 9.00 – 9.20am | Self-Introduction – Networking | Dean, FAST Chuka University |
| 9.20 – 9.40am | Welcome Remarks: AMMnet mission and vision, aim of the event and welcoming new members to AMMnet Kenya Chapter | AMMnet |
| 9.40 – 10.10am | Opening Remarks – Official Welcome | DVC(ARSA)  DVC(AF&P)  VC Chuka University |
| **10.10 – 10.40am** | **Health Break, Networking/Photography** | **Catering Dept** |
| 10.40 – 12.00 pm | Malaria Data visualization in R with no coding | Prof. Dennis Muriithi |
| 12.00 – 1.10 pm | Practical/ Exercise on data EDA and visualization using real life malaria dataset | Dr. Mark. Okongo  Lumumba Victor |
| **1.10 – 2.00 pm** | **Lunch Break/Networking** | **Catering Dept** |
| 2.00– 3.00 pm | Introduction to AI/ML models and AI in Modeling | Dr. Edna Too  Lumumba Victor |
| 3.00 – 4.30 pm | Develop machine learning algorithms to predict **malaria risk** | Prof. Dennis Muriithi |
| 4.30 – 5.00 pm | Health Break/Networking | Catering Dept |
| **DAY TWO (FRIDAY, 8TH AUGUST, 2025) Moderator: Dr. Alice Lunani** | | |
| 8.30– 9.00 am | Registration | Secretariat/ Prof. Musundi |
| 9.00 – 10.00 am | **Healthcare decisions driven by AI (Integrating explainable AI (XAI) Tools)** | Prof. Dennis Muriithi |
| 10.00 – 11.00 am | Practical/ Exercise to predict **malaria risk using different datasets and ML algorithms** | Dr. Mark. Okongo/ Dr. Edna Too |
| **11.00– 11.30 am** | **Health Break & Networking** | **Catering Dept** |
| 11.30 – 1.00 pm | Practical/ Exercise to predict **malaria risk using different datasets and ML algorithms** | Dr. Mark. Okongo/ Dr. Edna Too |
| **1.00 – 2.00 pm** | **Lunch Break, and Networking** | **Catering Dept** |
| 2.00 – 4.00 pm | Practical/ Exercise to predict **malaria risk using different datasets and ML algorithms** | Dr. Mark. Okongo/ Dr. Edna Too |
| 4.00 – 4.30 pm | Evaluation of the training – Online survey tool & issuance of Certificates | Prof. Ombaka/Dr. Lunani |
| 4.30 – 4.40 pm | Closing Remarks | DVC(ARSA) |
| 4.40 pm | Departure |  |