



MODE OF APPLICATION

Obtain application form from Nairobi Campus or Main Campus respectively. The form is also available here: <https://siemens.dkut.ac.ke/> with payment of KSH 1000/- non-refundable admission fees.

Consolidated Bank - A/C No: 0120025172901 Nyeri.

Kenya Commercial Bank - A/C No: 1121318274 Nyeri.

Equity Bank - A/C No: 1150297300480 Nyeri.

Standard Chartered Bank - A/C No: 0102045131203 Nyeri.

Family Bank - A/C No: 055000028807 Nyeri.



Better Life Through Technology

SIEMENS
Ingenuity for life

SIEMENS TRAINING CENTRE AT DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY



| Course | Minimum entry requirement | Mode of study & duration |
|---------|---|--|
| Level 1 | 1. Diploma in Electrical, Mechanical, Electro-Mechanical or Mechatronics Engineering. | Full & Part time January, March, May, July, September, November |
| | 2. Ongoing students of Bsc. Electrical, Mechanical or Mechatronics from 3 rd Year. | 20 Hours |
| | 3. Equivalent academic qualification recognized by DeKUT-Siemens Training Centre | |
| Level 2 | Completed Level 1 | 40 Hours |
| Level 3 | Completed Level 2 | 80 Hours |

For enquiries contact:
DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY

Private Bag 10143, Dedan Kimathi

Tel: 061-2050000

Cell: +254 713 835965; Email: registraraa@dkut.ac.ke

Cell: +254 713 123021; Email: marketing@dkut.ac.ke Cell:

+254 710 127516; Email: directornairobi@dkut.ac.ke Cell:

+254 716 150627; Email: smscp.kenya@dkut.ac.ke

www.dkut.ac.ke

 DeKUT Siemens

 @Siemens DeKUT

 @CenterSiemens

 @STCDeKUT



Programs offered

VIRTUAL MACHINES CONTROL:
Focuses on

Industries 4.0 Technologies

(Cyber-Physical Systems using Virtual Reality)

<https://siemens.dkut.ac.ke/training-programmes/>

DeKUT is ISO 9001: 2015 Certified

Better Life Through Technology

SIEMENS MECHATRONIC CERTIFICATION CENTRE

Welcome to the pioneering Siemens Mechatronic Certification Centre in Africa. We are located at Dedan Kimathi University of Technology (Main campus), Nyeri County.



Since 2016, we have offered Siemens Mechatronic Systems Certification Program (SMSCP), an international industry standard, comprehensive skills certificate in mechatronic systems, in partnership with Siemens SITRAIN Germany.

Here, we strive to be at the forefront of the national embrace of Industry 4.0 Technologies.

This Centre is also accredited by the Engineers Board of Kenya (EBK), to offer virtual Machines Control (VMC) as a Continuing Professional Development (CPD) for registered professional engineers and also engineering consulting firms.

TRAINING STRATEGY

A world leader in mechatronic engineering & industrial automation, Siemens AG has collaborated with Dedan Kimathi University of Technology to address a global demand of mechatronic engineering skills for the Industry 4.0 revolution. Our strategy therefore is training on Cyber-Physical Systems (CPS) using Virtual Reality (VR) to compliment the trainee's required theoretical knowledge and practical skills.



VIRTUAL MACHINES CONTROL

A core challenge of research associated with Industrie 4.0 and CPS is to bridge the gap between the physical and digital world.

Virtual Reality (VR) may contribute to this endeavor, since this technology is inherently suitable to visualize digital contents and allows intuitive user interactions within a highly immersive virtual environment.

The most important features of CPS are the high degree of (partial) autonomy, network communication, the ability to personalize it and general user-friendliness.



This Program is designed to be integrated into existing forms of study, and is divided into three levels.

VMC Level 1

- Course 1:** Concepts for virtual commissioning
- Course 2:** Creating drawings in the NX CAD system
- Course 3:** PLCSIM Advanced and TIA Portal
- Course 4:** Process simulation with SIMIT

VMC Level 2

- Course 1:** Creating and positioning machine elements in the NX CAD system
- Course 2:** Siemens PLM Software NX and MCD
- Course 3:** Connection of NX / MCD models to PLCSIM Advanced (with TIA Portal)
- Course 4:** Automating using the virtual machine model
- Course 5:** Virtual commissioning of custom machines
- Course 6:** Expansion and modification of the virtual machine

VMC Level 3

- Course 1:** Cyber-Physical Systems using Virtual Reality
- Course 2:** Industrie 4.0 Project Management
- Course 3:** Project