



DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY

CONFERENCE PROGRAMME

**THE 5th DeKUT INTERNATIONAL CONFERENCE ON SCIENCE
TECHNOLOGY, INNOVATION & ENTREPRENEURSHIP**



DATE: 13th – 15th NOVEMBER 2019

VENUE: DeKUT MAIN CAMPUS, NYERI

CONFERENCE THEME

Leveraging Science, Technology, Innovation and Entrepreneurship for Sustainable Development

CONFERENCE SUB-THEMES

1. Engineering Technologies and Innovations for Industrialization (ETI)
2. Business Management and Entrepreneurship for Sustainable Development (BME)
3. Basic and Applied Sciences for Advancement of Research and Innovations (BAS)
4. Agricultural Sciences and Technologies for Sustainable Food and Nutrition Security (AST)
5. Water, Energy, GIS and Remote Sensing, Environment, and Climate Change (WEG)
6. Health Sciences and Community Development (HSC)
7. Information and Communication Technology for Sustainable Development (ICT)
8. Tourism, Wildlife and Hospitality Management (TWH)
9. Policy, Culture and Governance for Sustainable Development (PCG)
10. Security Management and Innovations (SMI)
11. Trends in Technical Education and Training (TTE)
12. African Development and Harnessing Traditional Knowledge (ADT)
13. Data Science (DSE)

Conference Announcement

The 5th DeKUT International Conference on Science, Technology, Innovation and Entrepreneurship

Dates: 13th – 15th November, 2019
Venue: DeKUT Main Campus

Programme Coordinator: Prof. Fredrick Waweru

WEDNESDAY, 13th NOVEMBER, 2019

8.00am - 9.00am	Arrival and registration	Ms. Hadija Dahal
Session 1	Conference Opening Ceremony	
9.00am - 10.45am	Welcome remarks by the Director, RIMCL	Venue: Auditorium Session Chair: Director, RIMCL Rapporteur: Ms. Catherine Nyawira
	Remarks by the Vice Chancellor	
	Remarks by University Chancellor/ Council member	
	Opening Address by Dr. Salome Guchu, CEO Kenya National Innovation Agency. KENIA Key Note Address by Mr. Sylvance A. Sange MD, Kenya Industrial Property Institute, KIPI	
11.25am – 11.40am	Health Break	
Session 2	Break Out Sessions	
	Session 2a Venue: RC7 Session Chair: Prof. Peter Muchiri Rapporteur: Ms. Monica Kibui Track: STI05/ETI	Session 2b Venue: RC8 Session Chair: Dr. Emma Marigi Rapporteur: Mr. David Gitau Track: STI05/BAS
11.40am-12.00pm	Antony Ndolo, Effective Biosensors based on Whispering Gallery Modes, Machakos University	Ngunyi Anthony, The Analysis of Foreign Exchange Markets in Kenya Using the Markov Chain Analysis, DeKUT

12.00pm -12.20pm	Wakiru, J.M , Maintenance data analytics architecture for decision support considering heterogeneous data, <i>Leuven, Belgium</i>	Josephine Njeri Ngure , Change Point Estimation in Volatility of a Time series, <i>DeKUT</i>
12.20pm -12.40pm	Minoru Sasaki , Simulation of Feedforward and feedback controller for Cone Dielectric Elastomer Actuators, <i>Gifu University</i>	Kanule Jason , Computational investigation of threshold moisture content for slope stability using BP-FF artificial neural networks: A case of Sergoit swamp soils based on laboratory flume tests, <i>University of Eldoret</i>
12.40pm – 1.00pm	Minoru Sasaki , Robust posture tracking control of stable coaxial two-wheeled AGV using an approximate inverse system and LMI, <i>Gifu University</i>	Njuguna A. N , Regulation and Control of Temperature using a Microcontroller, <i>DeKUT</i>
1.00pm – 1.20pm	Moses B. Kataka , Facility Redesign And Optimization Of Printing Press Operations, <i>DeKUT</i>	
1.00 -2.00pm	Lunch Break	
Session 3	Break Out Sessions	
	Session 3a Venue: RC7 Session Chair: Dr. Ann Sang Rapporteur: Mr. Peter Mbichu Track: STI05/BME	Session 3b Venue: RC8 Session Chair: Prof. Charles Mundia Rapporteur: Ms. Loice Kemuma Track: STI05/WEG
2.00pm – 2.20pm	Elijah Kihooto Maringa , Effects of earnings announcements on share prices at Nairobi Securities Exchange, <i>DeKUT</i>	Evanson Ndung’u Kimani , Analysis of Spatial Factors Affecting Rental House Prices: A Case Study of Nyeri Town Constituency, Nyeri County, <i>DeKUT</i>
2.20pm – 2.40pm	Prof. Jacob L. Oyugi , From Ivory Tower to Entrepreneurial University: A transformation	Grace Aduvukha , Modelling the Influence of Cropping Patterns on Avocado Pests and Pollinators Distribution,

	agenda for sustainable job creation and development among university graduates in Uganda, <i>Kyambogo University, Kampala</i>	<i>DeKUT</i>
2.40pm – 3.00pm	Jesse Maina Kinyua , Stakeholder Management Strategies and Deposit Taking SACCOs' Bottom Line in Kenya, <i>University of Embu</i>	James Omwoyo Obare , Application of Geophysical Methods in Foundation Investigation for Construction Purposes at Olkaria (V) Fields, Kenya, <i>DeKUT</i>
3.00pm- 3.20pm	Ngware S.G. , Banks' Portfolio Diversification and Financial Performance of Commercial Banks in Kenya, <i>JKUAT</i>	Kuria, T. B. , In-season and Inter-season Maize Crop Monitoring with Radar Satellites- case study of Endebess, Kenya, <i>DeKUT</i>
3.20pm – 3.35pm	Orucho Michael Ngala , Analysis of Strategies for Successful Integrated System Implementation: A case Study of UNIPLUS Implementation at the Co-operative University of Kenya, <i>Co-op Univ. of Kenya</i>	Patrick Mbaabu , Pond water fertilization effects on the performance of <i>Oreochromis niloticus</i> in different culture systems in Meru County, <i>DeKUT</i>
3.40pm – 4.00pm	Orucho Michael Ngala , Who Really is the King between Customer and Employee? Comparative Effect of Customer Versus Employee Focus Strategies on Customer Retention by Small and Medium Enterprises in Nakuru town, Kenya. <i>Co-op Univ. of Kenya</i>	Nduati Kariri , Development of an Integrated Web-based GIS for Revenue Collection: Case Study: Laikipia County, Kenya, <i>DeKUT</i>
4.00pm – 4.20pm	Priscilla Wambui Muhoro , Effects of Integrated Infrastructure on Sustainable Mobility of Matatu Sacco's in Public Transport in Nairobi County, <i>DeKUT</i>	Kirui Benard , Assessing the crop health and growth using multi-temporal vegetation indices derived from sentinel-2 imagery: A case study of wheat production in Narok County, <i>DeKUT</i>
4.20pm – 4.40pm	Matayo Ratemo , Effects of Horizontal Public Procurement Practices on Supply Chain Performance in Kenya Owned State	Kelvin Mwangi Karanja , Application of Satellite Radar Interferometry (Sbas) in analysis of Land Deformation.

	Corporations, <i>DeKUT</i>	A Case of Kerio Valley, <i>JKUAT</i>
4.40pm – 5.00pm	John M. Wanyoike , Comparative Study on Effect of Holistic Marketing on Performance of Dairy Industry in Central and Rift Valley Regions of Kenya, <i>DeKUT</i>	Prof. Mariita Nicholas , Strengthening Human Capacity in Support of Enhanced Geothermal Development in the East African Region – a case for DeKUT
5.00pm -5.20pm	James Mwangi Njau , Business incubation Imperatives in Technology Based New venture creation: An evaluation of Business Support Value Proposition in Kenyan Business Incubators, <i>DeKUT</i>	Grace Koech , Climate Change Vulnerability Assessment using a GIS Modelling Approach in the Upper Ewaso Nyiro Basin, <i>DeKUT</i>
5.20pm -5.40pm	Geoffrey Gikonyo Gitau , Effect of Heuristic Factors and Real Estate Investment in Embu County, Kenya, <i>DeKUT</i>	Maina F.N. , Spatial Modeling of Water Requirement for Paddy Rice using evapotranspiration, <i>DeKUT</i>
		Julius Maina Waititu , Assessing alien invasive plants species spatial distribution under changing climatic conditions
6.00pm – 7.00pm	Conference Cocktail	

Programme Coordinator: Dr. Moses Ollengo

THURSDAY, 14th NOVEMBER, 2019

8.00am - 9.00am	Arrival and registration		Ms. Hadija Dahal
Session 4	Break Out Sessions		
	Session 4a Venue: RC7 Session Chair: Dr. Daniel Njoroge Rapporteur: Ms. Emily Saverio Track: STI05/IAS	Session 4b Venue: RC8 Session Chair: Dr. Harrison Ngetha Rapporteur: Ms. Naomi Nkirote Track: STI05/ETI	
9.00am – 9.20am	Dr. Eddy Owaga , Challenges and Potential Opportunities for Mitigation of Food Fraud in Kenya, <i>DeKUT</i>	Herzog, T. M. , Plastic shape the future, Wildau, 15745 Wildau, <i>Germany</i>	
9.20am - 9.40am	Dr. Irungu Maina , Relative Contribution of Farm Inputs and activities to the Productivity of Coffee, <i>DeKUT</i>	Michael M. Gichane , Elevator System Modelling focusing on Security using Digital Twin Approach for Real-Time Monitoring and Control, <i>DeKUT</i>	
9.40am -10.00am	Mathew Etabo , Differential Response of Nerica Yield to Irrigation regimes in Mwea irrigation scheme, Kenya, <i>Turkana University College</i>	Kimari M Patrick , Thermal Energy Balance of a Black CTC Tea Factory, <i>DeKUT</i>	
10.00am -10.20am	Rutto K. D. , Effect of harvesting stages and nitrogen fertilizer on seed quality and yield of jute mallow in Kenya, <i>University of Eldoret</i>	J. K. Tanui , A Numerical study of Volatile Matter Generation from Wood Combustion in a Fixed Bed under O ₂ /CO ₂ Environment, <i>DeKUT</i>	
10.20am -10.40am	Ouma Shellemiah Otieno , Evaluation of Suitability Human Solid Waste from Green Toilet System as Fertilizers for Agricultural Use, <i>JKUAT</i>	Nahshon Moku , A Study on the Performance of LoRa: Connectivity and Range Evaluation, <i>DeKUT</i>	

	Mulambula S. , Effects Of Integrated Application of Rhizobium and Phosphatic Fertilizer on Growth, Nodulation and Yields Of Soybean In Meru South Kenya, Chuka University	Kamathi J , Use of Doppler Radar Interfaced with ATMEGA16 for Accident Detection and Collision Avoidance in Dedan Kimathi University, Nyeri, Kenya. <i>DeKUT</i>
		K.N. Ronoh , Evaluation of the Surface Finish of Titanium Alloy, Ti-6Al-4V During Surface Grinding Under Different Cooling Techniques Using Vegetable oil-based and Water based Cutting Fluids, <i>DeKUT</i>
10.40am -11.00am	Health Break	
Session 5	Plenary Session	
11.00am – 11.40am	Invited Speaker: Prof. Michael Herzog	Venue: Auditorium Session Chair: Director, RIMCL Rapporteur: Mr. Peter Mbichu
Session 6	Plenary Session	
	Session 6a Venue: RC7 Session Chair: Dr. Njenga Mburu Rapporteur: Ms. Loice Kemuma Track: ST105/WEG	Session 6b Venue: RC8 Session Chair: Dr. Eddy Owaga Rapporteur: Mr. Simon Mwaura Track: ST105/IAS
11.40am – 12.00	Anyona M Kennedy , Experimental Model investigating potential of Geothermal Energy in Recycling Polyethylene Terephthalate, <i>DeKUT</i>	Ayub Mungai Kamau , Effect of Different Stabilizers and Emulsifiers on Functional, Rheological and Sensory Properties of Macadamia Nut Spread, <i>DeKUT</i>
12 noon – 12.20pm	Arthur W. Sichangi , Assessing the Impacts of Land Use Land Cover Changes on the Water Levels Using Remote Sensing in Tana River Basin, <i>DeKUT</i>	Monica Mburu , Technological Quality Characterization of Bakery Products supplemented with Raw Chia Seeds (<i>Salvia hispanica</i> L.), <i>DeKUT</i>

12.20pm – 12.40pm	Benjamin Mutuku Kinyili , Influence of Agroforestry Age Stand on Physico-Chemical Soil Quality Parameters, <i>Kenyatta University</i>	Veronica Njeri , Mould Characterization and Mycotoxin Quantification of Chia Seeds (<i>Salvia hispanica L.</i>) Grown in Kenya, <i>DeKUT</i>
12.40pm – 1.00pm	Edwin Gitobu Mwobobia , Characterization of Wheat Production Using Earth-Based Observations: A case study of Meru County, Kenya, <i>DeKUT</i>	Pauline Wairimu Ikumi , Soaking Coffee (<i>Coffea Arabica L.</i>) Cherries Negatively affects the Biochemical Composition and Cup Quality of Coffee Brew, <i>DeKUT</i>
1.00pm – 1.20pm	Johanna A. Wanjala , Modelling Yala Swamp Dry Season Inundation Variation in Response to River Yala Basin Changing Environment, <i>DeKUT</i>	Oyaro, E.N. , Perception and Adoption Level of Urban Horticulture Technologies, Nairobi County, Kenya, <i>JKUAT</i>
1.20pm – 1.40pm	Kibetu, Dickson Kinoti Potential of Remote Sensing Data in Monitoring Water Quality at Ndakaini Reservoir Dam, Kenya, <i>Chuka University</i>	Mulambula S. , Integrated Effect of Rhizobium Inoculation and Phosphorus Application on Tissue Content, Symbiotic and Phosphorus Use Efficiency in Soybean Production, <i>Chuka University</i>
	Duncan Maina Kimwatu , Assessing Socio-Economic Drought Spatial Inequalities in Arid and Semi-Arid Basin Ecosystem, <i>DeKUT</i>	
1.00-2.00pm	Lunch break	
Session 7	Break Out Sessions	
	Session 7a Venue: RC7 Session Chair: Dr. Paul Tanui Rapporteur: Ms. Nancy Koigi Track: ST105/BAS	Session 7b Venue: RC8 Session Chair: Dr. Eddy Owaga Rapporteur: Mr. Simon Mwaura Track: ST105/IAS
2.00pm – 2.20pm	Alvin Asava Sasia , Recovery of Collagen Hydrolysate from Chrome Leather Shaving Tannery Waste through Two-Step Hydrolysis using	Dr. Daniel Njoroge , Effect of soaking and thermal treatment on common beans pectic polysaccharides in relation to the hard-to-cook

	Magnesium Oxide and Bating Enzyme, <i>DeKUT</i>	defect, <i>DeKUT</i>
2.20pm – 2.40pm	Boniface Mwangi Chege , The freeze-dried extracts of <i>Rotheca myricoides</i> (Hochst.) Steane & Mabb possess hypoglycemic, hypolipidemic and hypoinsulinemic on type 2 diabetes rat model, <i>DeKUT</i>	Ogolla O. Fredrick , Assessment of Rhizobia Strains Isolates of Soils around Lake Victoria Basin for their Effectiveness in Nodulation and Symbiotic Efficiency on Soybeans and Bambara Groundnuts, <i>Chuka University</i>
2.40pm – 3.00pm	Janet Mesa , Determination of the quality of leather shoes: A case study of children’s shoes produced by SMEs in Kariokor market, Nairobi, Kenya, <i>DeKUT</i>	Ogolla O. Fredrick , Variation in Temperature and Nutrient Source Influence The Growth Of <i>Exserohilum Turcicum</i> Mycelia Isolated From Sorghum, <i>Chuka University</i>
3.00pm- 3.20pm	Peter Maina Wairimu , Physical Properties of Chrome-Tanned Nile Perch (<i>Lates niloticus</i>) Fish Leather, <i>DeKUT</i>	Ogolla O. Fredrick , Incidence and Severity of Turcicum Leaf Blight Caused by <i>Exserohilum turcicum</i> (pass.) Leonard and Suggs) on Sorghum Populations in Different Regions of Tharaka Nithi County, Kenya, <i>Chuka University</i>
3.40pm – 4.00pm	Peris N. Wainaina , Manufacturing of Novelty Leather from Ovine Stomach using Oil Tannage, <i>DeKUT</i>	Ogolla O. Fredrick , Characterization, Incidence and Severity of <i>Solanum lycopersicum</i> Bacterial leaf spot Caused by Xanthomonad species in Farms in Wanguru, Mwea, Kirinyaga County, Kenya, <i>Chuka University</i>
4.00pm – 4.20pm	Wandia Dennis Kanuri , An Investigation on the Properties of Rabbit Leather from different Tannages, <i>DeKUT</i>	John M.Wanyoike , Effect of Holistic Marketing on Performance of Dairy Processors in Kenya, <i>DeKUT</i>
4.20pm – 4.40pm	Auma E.O , Helminthiasis, pneumonia and enteritis prevalence and livestock production constraints in Manyatta sub-county, <i>University of Embu</i>	Kirimi, I. Mwenda , Effect of Maize-Cowpea Cropping patterns on Soil Moisture Conservation in Meru and Tharaka Nithi Counties, <i>Chuka University</i>
4.40pm – 5.00pm	Clifton Omondi ,Determination of Effect of Land	Gichaba, V. M. , Optimization of Garlic (<i>Allium</i>

	Use on Distribution and Abundance of Ground Dwelling Macroinvertebrates in Kirimiri Forest in Embu County, Kenya, <i>Kenyatta University</i>	<i>sativum</i> L.) though Application of Goat Manure-Based Vermicompost in Eastern Kenya, <i>Chuka University</i>
5.00pm – 5.20pm	Clifton Omondi , Assessment of Wild Rodents Endoparasites in Kirimiri Forest in Embu County, Kenya, <i>Kenyatta University</i>	Gichaba, V. M. , Goat Manure-Based Vermicompost Effects on Soil Properties under Garlic Production in Meru South and Manyatta sub-counties, Kenya, <i>Chuka University</i>
6.00pm – 7.30pm	Conference Dinner	

Programme Coordinator: Prof. Fredrick Waweru

FRIDAY, 15th NOVEMBER, 2019

8.00am - 9.00am	Arrival and registration	Ms. Hadija Dahal
Session 8	Break Out Sessions	
	Session 8a Venue: RC7 Session Chair: Prof. Henry Nyongesa Rapporteur: Ms. Hadija Dahal Track: STI05/ICT	Session 8b Venue: RC8 Session Chair: Dr. Ann Sang Rapporteur: Mr. Peter Mbichu Track: STI05/BME
9.00am – 9.20am	David A. O. Njoga , Cyberspace Situational Awareness: Measure it, Manage it, <i>Regional center for ICT Governance</i>	Zachariah Mburu , Effects of Financing Structure on Financial Performance of Saccos in Kikuyu Sub-County, Kiambu County, Kenya, <i>Co-operative University of Kenya</i>
9.20am - 9.40am	Benson Kituku , Towards Human Technology for Kipsigis Language Part of Speech Tagging, <i>DeKUT</i>	Caleb B. Manyanga , Board Gender Diversity and Financial Performance of Commercial Banks Evidence from Kenya, <i>JKUAT</i>
9.40am -10.00am		Charles Njoroge , Inflation Rate and Performance of the Residential Property

		Market in Kenya, <i>JKUAT</i>
10.00am -10.20am		Gabriel Juma Okumu , Human Capital Development and Economic Growth in Kenya: Best Practices from South Korea and Singapore (2002-2014), <i>DeKUT</i>
11.00am – 11.20am	Health Break	
Session 9	Break Out Sessions	
	Session 9a Venue: RC7 Session Chair: Dr. Ruth Kaguta Rapporteur: Ms. Catherine Nyawira Track: STI05/PGD/ADH	Session 9b Venue: Auditorium Session Chair: Ms. Esther Opisa Rapporteur: Ms. Hadija Dahal Track: STI05/HSC
11.20am – 11.40am	Theuri D.W,(Col Rtd) . The K-9s Dogs in Security Operations: An Assessment of the Their Performance in Detecting and Locating Explosive Materials, <i>DeKUT</i>	David Mugo Muchangi , Medical Device Integration with Electronic Health Records: A Case Study of University of Nairobi Health Services, <i>University of Embu</i>
	Session 9c Venue: RC8 Session Chair: Prof. Wanjiku Khamasi Rapporteur: Ms. Nancy Koigi Track: STI05/TTE	Kirori Mindo , Performance of a Fused Machine Learning Model for Smart Health Care in MANETS, <i>Kabarak University</i>
	Paul Wanyeki , Maximizing on Teaching practicum exercise in Technical Training Institutions, <i>DeKUT</i>	
Session 10	Conference Closing Ceremony	
11.40am – 12.00pm	Remarks by DVC, AA&R	Venue: Auditorium

12.00pm -12.40pm	Remarks by Vice Chancellor	Session Chair: Director, RIMCL Rapporteur: Hadija Dahal
1.00pm – 2.00pm	Lunch	



DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY
Better Life through Technology

Dedan Kimathi University of Technology (DeKUT) is a Chartered Public University that has two campuses: the Main Campus located within Nyeri County, 160 kilometers North of Nairobi City and Nairobi Campus located on the 2nd, 9th and 13th floor of Pension Towers, Loita street. DeKUT offers academic programmes at the undergraduate and graduate levels through its schools and institutes. We invite applications from suitably qualified applicants.

SCHOOLS:

- i. School of Graduate Studies
- ii. School of Engineering
- iii. School of Business Management and Economics
- iv. School of Health Sciences
- v. School of Science
- vi. School of Computer Science & Information Technology

INSTITUTES:

- i. Institute of Food Bioresources Technology
- ii. Institute of Tourism and Hospitality Management
- iii. Institute of Geomatics, GIS & Remote Sensing (IGGRoS)
- iv. Geothermal Energy Training and Research Institute (GeTRI)
- v. Institute of Criminology, Forensics and Security Studies (ICFSS)
- vi. Institute of Technical and Professional Studies (ITPS)



PROGRAMMES OFFERED AT DeKUT

SCHOOL OF ENGINEERING

- PhD Mechanical Engineering
- Master of Science in Mechanical Engineering
- Master of Science in Advanced Manufacturing & Automation Engineering
- Master of Science in Industrial Engineering and Management
- Bachelor of Science in Electrical and Electronic Engineering
- Bachelor of Science in Mechatronic Engineering
- Bachelor of Science in Mechanical Engineering
- Bachelor of Science in Chemical Engineering
- Bachelor of Science in Civil Engineering
- Bachelor of Education in Technology (Civil Engineering)
- Bachelor of Education in Technology (Electrical and Electronic Engineering)
- Bachelor of Education in Technology (Mechanical Engineering)



SCHOOL OF SCIENCES

- Master of Science Leather Technology
- Bachelor of Science in Actuarial Science
- Bachelor of Science in Mathematics and Modeling
- Bachelor of Science in Industrial Chemistry
- Bachelor of Science in Leather Technology
- Diploma in Leather Technology



SCHOOL OF HEALTH SCIENCE

- Bachelor of Science in Nursing (Upgrading)
- Bachelor of Science in Nursing (Direct Entry)



SCHOOL OF BUSINESS MANAGEMENT & ECONOMICS

Business Administration Department

- PhD in Business Administration & Management
- Master in Business Administration (MBA)
- Bachelor of Business Administration (BBA)
- Diploma in Business Administration (DBA)

Accounting and Finance Department

- Master of Science In Economics
- Bachelor of Commerce (BCom)

Procurement and Logistics Department

- Master of Science in Supply Chain Management
- Bachelor of Purchasing and Supplies Management (BPSM)
- Diploma in Purchasing and Supplies Management (DPSM)



SCHOOL OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

- Bachelor of Science in Computer Science
- Bachelor of Science in Business Information Technology (BBIT)
- Bachelor of Science in Information Technology (Stage I)
- Bachelor of Science in Information Technology (Stage II)
- Diploma in Information Technology
- Certificate in Information Technology



INSTITUTE OF FOOD BIORESOURCES TECHNOLOGY

- PhD Food Science and Technology
- Master of Science in Food Science and Technology
- Bachelor of Science in Food Science and Technology
- Bachelor of Science of Nutrition and Dietetics
- Diploma in Food Science and Technology
- Diploma in Coffee Technology and Cupping
- Certificate in Coffee Technology and Quality Management



INSTITUTE OF TOURISM AND HOSPITALITY MANAGEMENT

- Master of Science in Sustainable Tourism and Hospitality Management
- Bachelor of Sustainable Tourism and Hospitality Management
- Diploma in Sustainable Tourism and Hospitality Mgt
- Certificate German language



INSTITUTE OF GEOTHERMAL ENERGY, TRAINING & RESEARCH (GeTRI)

- Master of Science in Geothermal Energy Technology
- Post Graduate Diploma in Geothermal Energy Technology
- Bachelor of Science in Geological Sciences



INSTITUTE OF GEOMATICS, GIS & REMOTE SENSING (IGGRes)

- Master of Science in Geospatial Information Science and Remote Sensing
- Bachelor of Science in Geospatial Information Science
- Bachelor of Science in Geomatics and Geospatial Information Systems



INSTITUTE OF CRIMINOLOGY, FORENSICS AND SECURITY STUDIES

- Master of Science in Forensics and Security Management
- Bachelor of Science in Forensics and Security Management
- Diploma in Security Management

INSTITUTE OF TECHNICAL AND PROFESSIONAL STUDIES

- Bachelor of Technology in Building Construction
- Diploma in Building Technology
- Diploma in Fashion Design and Interior Decoration
- Diploma in Furniture Technology and Interior Design
- Diploma in Metal Work, Welding and Design
- Diploma in Electrical and Electronics Engineering (Power Option).
- Certificate in Fashion Design and Interior Decoration
- Certificate in Furniture Technology and Interior Design
- Certificate in Electrical and Electronics Engineering (Power Option).
- Certificate in Metal Work, Welding and Design

- Certificate in Building Technology
- Certificate in Accommodation and Catering Operations
- CCNA I,II,III,IV
- IT Essentials



MODE OF APPLICATION

Application forms can be obtained from Dedan Kimathi University of Technology Main Campus and Nairobi Campus **or** can be downloaded from the University website *www.dkut.ac.ke*.

Applications and enquiries should be directed to;

Registrar (Academic Affairs)

P.O. Box Private Bag – 10143 Dedan Kimathi, NYERI

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