



**THE INSTITUTE OF FINANCE
MANAGEMENT (IFM)**

INSTITUTIONAL PROFILE FOR COMPUTING AND INNOVATION

WHO ARE WE ?

The Institute of Finance Management (IFM) is a government-owned, prestigious higher learning Institution in Tanzania. For over 50 years, the Institute has offered training, research, and consultancy services in Accounting, Banking, Finance, Computing and Information Technology, Insurance, Social Protection, Actuarial Science, Business, Taxation and Economics.



Our training programs and consultancy services are designed to develop creative solutions through community-engaged interdisciplinary expertise. This approach drives social, economic and cultural change towards solving complex real-world problems. The Institute also develops a range of innovative short courses to offer flexible and personalised learning. Our short courses allow clients to work around existing commitments, offer flexible study options such as long weekend modular learning.

In responding to new challenges and demands, we are proud of having a strong and highly qualified team of academia trained to a PhD level in globally highly ranked universities. This team is passionate about fostering continuous improvement, harnessing global best practices in delivering tailor-made solutions that fits client context. We have built strong partnerships with institutions and industries across the world in various thematic areas through which collaborative training, outreach programs and capacities to undertake complex national and multinational consultancies have been established.

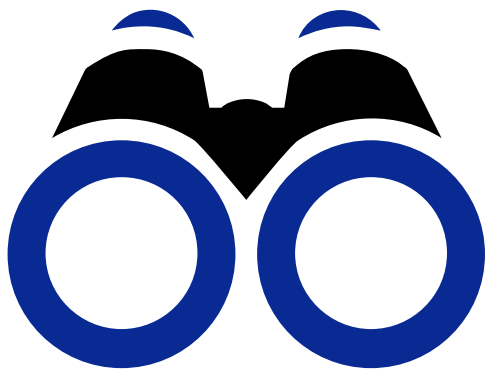
Our core value, mission and vision provide us with undismitted ambition full of a strong sense of who we are and where we are going. Therefore, we are presenting our Innovation and Computer Information Science Institutional Profile, which shows our competencies in training and consultancy services in those areas.

We are here to serve you

VISION & MISSION

VISION

To be a reputable world-class higher learning institution responsive to global development needs by providing knowledge and competencies in finance management and related disciplines.



MISSION

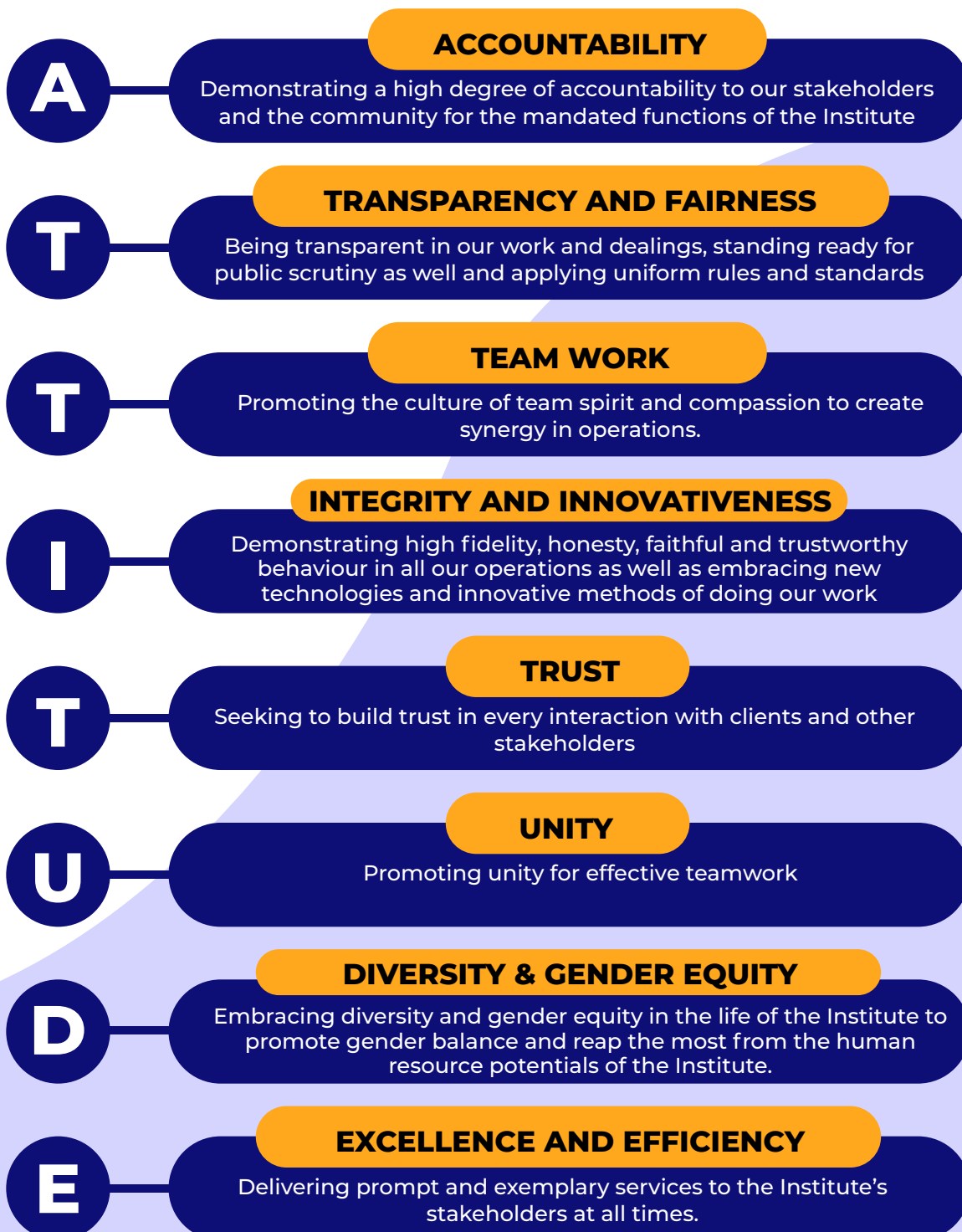
To provide quality academic and professional training that nurtures creativity and innovation through integrated training, research and consultancy in financial studies and related disciplines.



*The Institute of
Finance Management
(IFM)*

OUR CORE VALUES

We create and maintain an attitude in a manner that adheres to our vision and mission to uphold best professional practices and exercise academic freedom. In so doing, we promote a culture that is guided by seven core values, namely;



OUR APPROACH TO UNDERTAKING CONSULTANCIES AND SHORT COURSES

We embrace a collaborative and quality-based approach to all aspects of training and consultancy to harness collective wisdom, perspectives, and expertise, leading to effective and sustainable outcomes. To collaborate efficiently, we work closely with our clients to ensure we completely understand the problems and deliver tailored and effective solutions. This close collaboration also helps us to provide our clients with practical recommendations that lead to lasting improvements in their organisation's performance.

With decades of experience in training, we have learnt that keeping people engaged is very important to provide effective advisory services and training experience. Engaging training programs enable clients to acquire intended expertise, best practices, thereby positively impacting the organization's productivity.



OUR AREAS OF EXPERTISE

ICT Governance



Information and Communication Technology (ICT) governance at the Institute is viewed as a facet of enterprise corporate governance that addresses alignment of ICT policies, strategies, operational management, and risks management to ensure that ICT investment delivers overall organizational goals and objectives. Our staff have accumulated expertise on all key elements of ICT governance such as Strategic Alignment, Risk Management, Performance Measurement, Compliance, and Resource Management. Typically, Strategic alignment focuses on how the Information Technology (IT) interventions meets organizational objectives; Risk management focuses on anticipating and mitigating IT associated risks; Performance measurement focuses on how IT contributes to the performance of organisation; Compliance focuses on ensuring that organisations meets industrial and government regulation in their technological innovation and adoption; and Resource management addresses effective and appropriate utilization of IT resources. To support these undertakings, we have experience in applying popular ICT governance frameworks to produce measurable results. These services are offered through training and professional advisory interventions.

ICT Infrastructure Implementation, Support, and Maintenance



ICT infrastructure encompasses hybrid technologies from wired/wireless networks, processing machines, data centres, to numerous peripheral devices designed to support enterprise's operations. The ongoing technology convergence, coupled with the rapid technological change and business demands, adds an extra layer of complexity on how enterprises can optimally plan, design, implement and maintain their ICT infrastructures. Furthermore, optimal infrastructure designs should consider demands for access, multiple utility, resilience, and security. To address these skills gap, the IFM team of experts, besides Infrastructure Design and Implementation, are equipped with skills and experience in identifying the enterprises' operational and business requirements regarding Bandwidth Capacity Planning, Quality of Service, Security, and Resilience.

For support and maintenance, IFM applies state-of-the-art network administration procedures, including network infrastructure management practices to ensure the network operates optimally by identifying performance bottlenecks, remediating problems, and determining the need for scaling to support growing business operations.

Overall, network infrastructure management from our side focuses on five aspects of networking: network infrastructure planning, monitoring, configuration management, performance management, fault management, and security management.

Business Process Automation and Digitalization



The competitive advantage of any Business Enterprise lies on its ability to unlock new sources of revenues through market segmentation, embarrassing service customization, and enhance operational excellences. Automation and digitalization provide necessary techniques to build a unique competitive advantage through Digital Transformation. The IFM team of experts is capable of assisting large, medium and small enterprises in the digital transformation journey through six stages, namely, Digital Transformation Readiness Assessment, Business Environment Analysis, Policy Framework Development, Business Process Re-Engineering, Automation Planning, Systems Analysis, Design and Development. Our experts can support digital transformation to both organizations that do not have legacy systems and those with legacy systems. Our biggest strength in modernization through digitalization is our ability to integrate several distinct capabilities formed over decades of experience. These capabilities are powered by the ability to undertake business process assessment, modernization, and migration with digital application re-engineering.

Digital Omni-Channel Service Delivery



The ongoing digital transformation moves the corporate world, governments, homes, and communities to embrace multiple channels for enhancing service accessibility and convenience. Consolidation of omni-channel service approach, mobile applications, blockchain technologies and Internet of Things (IoT) technologies extends user experiences to unprecedented level. Enterprises will need to re-engineer their processes for enhancing user experiences, redefine their approach, strategies and modify their supporting systems to embrace omni-channel service delivery. We have experts experienced in Mobile Development, IoT Technologies, Blockchain Technologies and Service Portal Development who can blend several technologies to evolve omni-channel platforms. Developing these kinds of platforms comes with unique challenges and opportunities for businesses. We are equipped to mitigate the challenges and provide our clients with state-of-the-art support they need in terms of strategies, applications and systems.

Cyber Security and Business Continuity



The business world has entered an era where cyber challenges are more frequent and likely to impact business operations significantly. The number of cybersecurity incidences are on the rise paralleling the ongoing advancements of digital technologies. Moreover, frontier technologies such as artificial intelligence, robotics, 3-D come with unique security threats that require a more robust approach to address them. With the availability of certified cybersecurity professionals, our Cyber Security and Resilience Services (CSRS) offers a wide range of integrated security solutions in various layers of consulting, focused on Cognitive Intelligence, Automation, and Response, enabling our clients to have a complete view on their security front. Our services enable organizations to adopt and transform security in various data lifecycle stages with near real-time visibility, high-powered analytics, and intelligence against sophisticated threat vectors.

Knowledge management



Properly engineered knowledge management systems enhance organisation performances by enabling provision of timely, quality and relevant information for decision making at various levels. Moreover, it accumulates all already known facts and trends that are necessary for future enterprise growth. In this regard, enterprise applications should be customised to preserve and promote enterprises knowledge management. The IFM experts can offer advisory services covering a wide spectra of knowledge management aspects including re-design of knowledge management enterprise architecture, business processes review leading to knowledge acquisition, knowledge organisation and sharing, and upgrading of existing enterprise digital systems to promote knowledge management services.

Data and Records Management



Data is the currency of today's digital economy, and enterprises across every industry are taking the required steps toward data lifecycle management. For some, the required steps mean the establishment of data governance and making their data better accessible across the organization. For others, it is about infusing data into organizational operations and decision-making. Wherever organizations are on the road to data maturity, IFM is there to assist in both building the data and record management systems and intervening through training on the best data and record management practices.

We believe that data and record management capabilities enable our clients to become more intentional with how their data is collected, consumed, and applied to achieve better business outcomes. We understand that data landscapes vary widely across and within organizations, and our client engagement consulting approach allows us to put ourselves in underlying organizational data creation and usage centres and devise data solutions that move the enterprise ahead on its data maturity initiatives.

Business Intelligence and Data Analytics Services



In the data-driven economy, enterprises are looking to drive value from the diverse and enormous amount of fragmented and unstructured data. However, fragmented and unstructured data is difficult to mobilize, and organizations need to reimagine the existing strategies to ensure data is trustworthy, transparent, and easily accessible. Business Intelligence (BI) and Data Analytics are data management solutions implemented in organizations to collect historical and current data, while using statistics and software to translate the data into valuable information and therefore facilitate effective business decision making. IFM is bestowed with qualified personnel with extensive industry experience and expertise in the ever-evolving field of BI and Data Analytics. Our interventions in BI and Data Analytics are geared towards improving businesses and meet the demands of the changing market.

OUR STRENGTH AND CAPABILITIES



As the computing industry drifts towards a more liberal and global economy, accompanied by disruptive designs and automation, the Institute has recruited relevant professionals with extensive knowledge in the field of computer information science and innovation. The Institute has a strong faculty with more than 39 full-time ICT professionals, who work with a number of associates from collaborating higher learning institutions globally. The faculty members have practical experience and technical skills in Programming, Software development, Mathematics, Data Analytics, Data Visualization, Cyber Security, Enterprise Application, Application Development and Automation, Business and Artificial Intelligence, Digital Forensics and Biometrics, ICT Governance, and Ethics. In line with technical skills, the team has some soft skills, including Critical Thinking, Attention to Detail, Creative Problem-solving, Communication, Listening, Teamworking and Collaboration. Furthermore, the Institute has several world-class resources: computer laboratories, integrated systems connecting campuses, and e-learning facilities.

LIST OF CONDUCTED CONSULTANCY ASSIGNMENTS

2022

Design, Development, and Deployment of Online Registration System



Tanzania Insurance Regulatory Authority (TIRA)

2022

Collection of Requirements for the Development of Integrated Standardization, Quality Assurance, Metrology and Testing (ISQMT) Portal and electronic Learning Portal



Zanzibar Bureau of Standards (ZBS)

2022

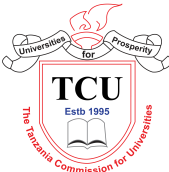
Conduct Penetration Testing



Zanzibar Insurance Corporation (ZIC)

2021

Conducting an ICT Security Awareness Programme



Tanzania Commission for Universities (TCU)

2021

Development of Organizational ICT Security Policy



PBZ BANK
Peoples Bank of Zanzibar (PBZ)

2020

Design and Installation of Admission, Examination, and Payment System



The Mwalimu Nyerere Memorial Academy (MNMA)

2018

Developing ICT Strategic Master Plan, ICT Policy, Security Guidelines, & Data Management Policy for the Fund.



National Health Insurance Fund (NHIF)

2018

Developing various ICT Policies and Documentation of in-house developed systems



National Health Insurance Fund (NHIF)

2016

Development of Enterprise Resource Planning



The Institute of Finance Management

2016

Business Process Analysis and System Requirement Gathering and Specifications



Trademark East Africa and Ministry of Agriculture, Livestock and Fisheries

2016

Review and Development of the new ICT Strategic Master Plan



Zanzibar Social Security Fund (ZSSF)

2014

Designing, installing and implementing an Education Management Information System (EMIS) for 8 Higher Education and Research Institutions (HERIS) and National Agencies in Tanzania



Tanzania Commission for Science and Technology (COSTECH)

2014

Developing online application and Admission System



Tanzania Institute of Accountancy (TIA)

2014

Development of NHIF Business Intelligence System



National Health Insurance Fund (NHIF)

2014

Development of ICT Policy



Tanzania Electrical, Mechanical and Electronics Services Agency (TEMESA)

2014

Development of the ICT Disaster Recovery and Business Continuity Plan.



National Audit Office

2013

SMART Skills (Software, Mobile Applications, Research, and Technology)



Tanzania Commission for Science and Technology (COSTECH)

2008

Data Management (record and analysis)



Benjamin Mkapa Foundation (BMAF)

2005

Deployment of Database Management Systems



Tanzania Civil Aviation Authority (TCAA)

LIST OF SHORT COURSE CONDUCTED

2023

Advanced Data Analysis Using Smart PLS and AMOS



Tanzania Insurance Regulatory Authority (TIRA)

2023

Advanced Cyber Security



Tanzania Revenue Authority (TRA)

2022

Blockchain Technologies, Their Application and Deep Dive into Crypto Currencies



Gaming Board of Tanzania

2022

E-Office Training



TANTRADE and Tanzania Ports Authority

2022

Provision of Cyber Crime Detection and Prevention Training



Tanzania Education Authority (TEA) and Skills Development Fund (SDF)

2022

ICT Security Policy and Security Awareness



Tanzania Civil Aviation Authority (TCAA) and Tanzania Petroleum Development Corporation (TPDC)

2021

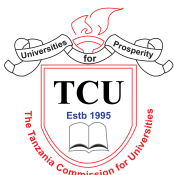
Application of Web 2.0 Technologies and Research in Libraries



Parliament of Tanzania

2019

ICT Security and Data Management



Tanzania Commission for Universities (TCU), National Council for Technical and Vocational Education and Training (NACTVET), Higher Education Student's Loans Board (HESLB), Tanzania Education Authority (TEA), Vocational Education and Training Authority (VETA), Tanzania People's Defense Forces (TPDF)

2019

ICT Innovation and Security



Tanzania Ports Authority (TPA)

2018

ICT Security Training for the Management Team



Zanzibar Social Security Fund (ZSSF) and Tanzania Meteorological Authority (TMA)

2018

ICT Asset and E-Waste Disposal Management Training

VARIOUS INSTITUTIONS

Various Institutions

2018

Training the Academic Staff on using ICT for class delivery and material preparations



Institute of Tax Administration

2016

Basic CCTV Installation and Management



Tanzania Petroleum Development Corporation (TPDC)

2016

Training on Network Security Management



Tanzania Petroleum Development Corporation (TPDC)

2005

Computer Applications Training for Tanzania Members of Parliament



Parliament of Tanzania



AFFILIATIONS



Birla Institute of Management Technology



Chartered Institute for Securities & Investment



Chemi & Cotex Industries



Baden-Wuerttemberg Cooperative State University (DHBW)



University of Dar es Salaam



University Tunku Abdul Rahman



Indian Institute of Foreign Trade



University of Groningen



FH Joanneum University of Applied Sciences



E-Government Authority



University of Central Lancashire



UBX Tanzania LTD



Institute of Management and Entrepreneurship Development



Tallinn University of Technology



Chartered Insurance Institute (UK)



Hochschule Bonn-Rhein-Sieg University Applied Sciences



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