



The St. Joseph University In Tanzania (SJUIT) Presents:

THE HUB

October, 2024

2023/24 was Yet Another Exciting Academic Year



Message of the Vice-Chancellor



Dear Students,

On behalf of the Management of the SJUIT, I welcome everyone to the start of 2024/25 academic year! Whether you are returning to continue your studies or joining us for the first time, I extend my warmest greetings to each of you.

Each academic year brings its unique challenges and opportunities, and this year is no exception. I invite each of you to engage with the opportunities around you—whether through your studies, research, or extracurricular activities. Remember that your time here at SJUIT is not only about academic success but also about personal growth, community involvement, and preparing to be leaders in a complex, interconnected world.

For new students, I encourage you to embrace everything that university life has to offer. For returning students, your leadership and experience at SJUIT are invaluable—your example sets the tone for those who are new to SJUIT community.

Remember that the Management of SJUIT is committed to supporting you in achieving your goals and making the most of your time here. Take advantage of the resources available at both Mbezi and Boko Campuses, engage actively with your peers and members of the academic staff, and embrace the diverse experiences that will shape your future.

SJUIT Management will continue to prioritize your well-being, both academically and personally in 2024/25 academic year. Our support services, student organization, and campus facilities are available to ensure that your time here is productive and fulfilling. Don't hesitate to reach out if you need assistance in any way.

Together, let's make 2024/25 an extraordinary year.

We look forward to witnessing your success and contributions to our academic community.

Best wishes,

Prof. Eliab Z. Opiyo
Vice-Chancellor

Message of the President of the Council



Dear Students,

As we embark on another exciting academic year, I want to remind you of the incredible potential each of you holds. Your dedication, hard work, and resilience are the keys to unlocking your future successes. Embrace every challenge as an opportunity for growth, and never underestimate the power of perseverance.

Regards,
Dr. T. X. A. Ananth
President, SJUIT Council

Teaching and Learning at Mbezi and Boko Campuses

In 2023/24 academic year, the University had a cumulative enrollment of 3,038 students pursuing various degree and diploma programmes compared to 2,488 students in 2022/23 academic year—an increase of 22.1%. 2040 students or 67.1% of the total number of students were males and 998 students or 32.9% were females.



At the St. Joseph University College of Health and Allied Sciences (SJCHAS), the number of students pursuing Doctor of Medicine (MD) programme and Diploma programmes in Nursing & Midwifery and Pharmaceutical Sciences was 1176 compared to 983 in 2022/23 academic year. 553 students (or 47.4%) were males and 618 students (or 52.6%) were females.



At the St. Joseph College of Engineering and Technology (SJ CET), the number of students pursuing Degree programmes in Engineering and Technology and Sciences, Mathematics and Education and Diploma programmes in Engineering and Technology stood at 1862 compared to 1,505 in 2022/23 academic year. 1487 students (or 79.9%) were males and 375 students (or 20.1%) were females.

SJUIT Celebrated 16th Graduation Ceremony

The 16th Graduation Ceremony was held on Wednesday, December 13, 2023 at Mbezi Luguruni Campus, Dar es Salaam. Out of these graduands, 303 (or 72.8%) were males and 113 (or 27.2%) were females. 245 graduands (or 58.9% of graduands) attended the graduation ceremony.

**A total of 416
Graduands were
conferred degrees
and diplomas**



Graduands procession



The President of the University Council, Dr. T X. A. Ananth (centre) presents best students award to one of the graduands.

Research and Innovation

Presently there are 21 major research projects at different stages of implementation in the University. At SJ CET there are 12 research projects and at SJ CHAS there are 9. The list and further details of the ongoing research projects are available on the website at www.sjuit.ac.tz.



SJUIT students showcasing their innovative product ideas during the exhibitions at the 30th FIDIC Africa Infrastructure Conference held at Julius Nyerere International Convention Center (JNICC) in Dar es Salaam

Through its Innovation and Techno-preneurship Acceleration Facility (ITAF), the University has continued to nurture students' talents and innovative ideas by providing supervision, facilities and technical guidance on how to commercialize their innovative ideas.

Currently seven (7) student projects are being developed for commercialization—including one (1) that is funded by COSTECH.

SJUIT through ITAF participated in several exhibitions in 2024/25 academic year. Participation of SJUIT in the exhibitions increases its visibility, and the University also benefits variously by participating in these exhibitions, including by highlighting research achievements, showcasing innovative projects, and recruiting students.



Hon. Innocent Bashungwa (MP), the Minister of Works accompanied by the Dodoma Regional Commissioner, Hon. Rosemary Senyamule, Chairman of the Board of the Engineers Registration Board (ERB) Eng. Adv. Menye Manga and Registrar of ERB Eng. Bernard Kavishe at the SJUIT's exhibition booth during the Annual Technicians Day in Dodoma on May 23, 2024.

SJUIT's Alumni Spotlight

SJUIT alumni Eng. David Ngu'nda named the overall winner of the prestigious Young Professional Excellence Award, presented by the Federation of African Engineering Organisations (FAEO).



Eng. David Ngu'nda, a SJUIT alumni receiving the prestigious Young Professional Excellence Award, presented by the Federation of African Engineering Organisations (FAEO) on September 13, 2024 in Luanda, Angola. .

We are thrilled that Eng. David Ngu'nda, a SJUIT alumni who graduated in December 2019, was named the overall winner of the prestigious Young Professional Excellence Award, presented by the Federation of African Engineering Organisations (FAEO). This honor highlights his exceptional contributions and unwavering dedication to advancing engineering across Africa.

The award ceremony took place on September 13, 2024 in Luanda, Angola, where Eng. Ngu'nda was joined by the President of the Institution of Engineers Tanzania (IET), Eng. Dr. Gemma Modu, and Executive Director Mr. Ipyana Moses, who proudly witnessed this remarkable achievement.

Eng. Ngu'nda's influence goes beyond his technical expertise. He is committed to developing impactful solutions to community challenges. His innovative mindset and leadership set a high standard for young professionals in engineering. He exemplifies how young engineers can play a crucial role in shaping Africa's infrastructure and driving sustainable development. This award is a testament to Eng. Ngu'nda's relentless pursuit of excellence and serves as an inspiration for the next generation of engineers. SJUIT is immensely proud of his accomplishments and eagerly anticipate the positive impact he will continue to make in the engineering field.

Solar Operated E - Trike

Trikes—also known as Bajaj tricycles—are widely used as low-cost means of public transportation. Building on this context, the Department of Mechanical, Mechatronics and Industrial Engineering at SJ CET has developed a solar-powered motorized tricycle (E - Trike) by modifying an existing petrol-powered Bajaj tricycle. This innovation not only reduces reliance on costly petrol fuel but also provides greener mobility solution.



Key design changes include battery pack placed underneath the seat and solar panel installation mounted on the top of the tricycle. The cost of modifying the Bajaj was TZS 2.9 million which covered procurement of parts such as solar panel, battery pack, motor controller, and electric motor, as well as modifications of the axle. It is expected that the unit cost will decrease significantly when production scales up. Ordering components directly from OEMs coupled with bulk discounts and lower sourcing prices will reduce overall expenses. This cost efficiency, combined with potential local production of parts will further lower the price of solar-powered tricycle.

Nano Satellite Development Project

The St. Joseph College of Engineering and Technology (SJCT) embarked on a Nano satellite development project since 2020. Some concrete milestones have been reached.



The Nano-Satellite development research team at the Space Research and Development Laboratory at Mbezi Luguruni Campus.

The aim of this project is to design and build a CubeSat satellite to contribute to addressing the unique challenges faced by Tanzania, as a developing country with limited resources that require satellite technology. The CubeSat that is being developed is a small and cost-effective satellite that offer an opportunity to leverage space technology to tackle specific issues in a targeted and efficient manner. This satellite will be equipped with remote sensing instruments that can be used, e.g., to monitor forests, wildlife habitats, and changes in land cover. The collected data will be utilized for various purposes such as to support conservation efforts, monitoring weather patterns and early detection of environmental degradation.



H.E. Dr. Hussein Ali Mwinji, the President of Zanzibar and Chairman of Revolutionary Council being briefed by one of the Nano-satellite development researchers Ms. Doris Ndaki at the Institution of Engineers Tanzania (IET) Women Chapter (TAWECE) exhibitions held in 2023 at Golden Tulip Hotel in Zanzibar.



The Nano-satellite's ground station control unit developed at the Space Research and Development Laboratory at Mbezi Luguruni Campus.

The information gathered by satellite can be used, e.g. to support precision agriculture practices, improve irrigation efficiency, and enhance food security. For instance, locust infestations pose significant challenges to agriculture and food security in Africa, including Tanzania. Therefore, combining satellite data with information collected on the ground provide more comprehensive and accurate insights into locust behaviour and its impact on agriculture.



The Nano-satellite development research team explaining the project achievements to Hon. Eng. Kundo A. Mathew (MP) the former Deputy Minister for Information, Communication and Information Technology during TANTECH exhibitions at Mlimani City grounds in Dar es Salaam.

The SJUIT's satellite development project activities include developing various hardware and software components—including algorithms and data processing and analysis mechanisms.



Hon. Prof. Adolf F. Mkenda (MP), the Minister of Education, Science and Technology being briefed on the Nano-satellite project during his visit at SJUIT as the 15th Graduation Ceremony guest of honor.

Antidiabetic Products from Plant Origin

Research project entitled '*Phytochemical Characterization and Assessment of Anti-diabetic Potentials of Some Tanzanian Medicinal Plants on Streptozotocin - Induced Diabetic Rats*' conducted by researchers at the SJCHAS attempts to come up with novel antidiabetic products from plant origin.

High blood glucose causes almost 4 million deaths each year. International Diabetic Federation (IDF) estimates that the annual global health care spending on diabetes among adults was US\$ 850 billion in 2017. Current medications and treatment strategies seems insufficient to control Diabetes Mellitus (DM) or its complications. There is big necessities for novel antidiabetic products from plant origin.

The aim of this work is to evaluate the antidiabetic effect of selected herbal medicines used by some communities in Tanzania. The expected outcome is the identification of novel medicinal product that has better pharmacological outcome on the health of diabetic patients.

Designing Without any Formal Training

How Entrepreneurs in Metalworking Informal Microenterprises without any Formal Training Design Products?

The research entitled '*An Investigation of the Product Design Process in Informal Microenterprises in Tanzania*' conducted by researchers at the SJCT attempts to answer this question.

The products that surround us (e.g. furniture, door and window grills, charcoal stoves, etc.) are outcomes of design processes. Product design is a fundamental aspect of human intelligence and creativity, attracting not only experts but also entrepreneurs and self-employed without any formal design training. Although numerous people in developing countries design and manufacture simple products in metalworking informal microenterprises, there is very little knowledge about their design process.

This project aimed to fill the fundamental gap in design knowledge described above. The overall goal was to investigate design process in metalworking informal microenterprises in Tanzania, using a scientific method of 'think-aloud protocol analysis. Visit www.sjuit.ac.tz to see the research results.

Corporate Social Responsibility Activities

Hon. Ridhiwani Jakaya Kikwete Visited SJUIT

The Public Service Recruitment Secretariat of the Presidents' Office (*Ofisi ya Rais Sekretarieti ya Ajira katika Utumishi wa Umma*) conducted a trial on-line government job interview screening tests at Mbezi Campus on Saturday, April 6, 2024. SJUIT was one of the institutions that facilitated this exercise by availing four laboratories with a total of 265 computers with the Internet and offering technical and IT services for this exercise.

Hon. Ridhiwani Jakaya Kikwete (MP and the Deputy Minister of State in the Office of the President - Public Service Management and Good Governance) visited SJUIT to see how the exercise was conducted. The Minister was met by the Vice-Chancellor, Prof. Eliab Z. Opiyo. The Minister thanked SJUIT for accepting the exercise to be conducted at its premises and for providing facilities and professional support.



Hon. Ridhiwani Jakaya Kikwete paid a courtesy visit to the Vice-Chancellor of the SJUIT.



Hon. Ridhiwani Jakaya with the University Management and SJUIT's IT Support Team.

Sports and Games

SJUIT was the overall winner of 2023 TUSA games by earning a total of 57 points

Tanzania Universities Sports Association (TUSA) games were held at Galanos Secondary School in Tanga from December 13-21, 2023.

SJUIT students participated in several events and won a total of 19 Metals (i.e., 6 Gold Medals, 7 Silver Medals, and 6 Bronze Medals). SJUIT was the overall winner of 2023 TUSA games by earning a total of 57 points.

In recognition and appreciation, winners of 2023 TUSA Games were offered tuition fee discounts as follows: 40% reduction of one year tuition fee to gold medal winners; 30% reduction of one year tuition fee to silver medal winners; and 25% reduction of one year tuition fee to bronze medal winners.



SJUIT team at TUSA games held at Galanos Secondary School in Tanga.



The Vice-Chancellor, Prof. Eliab Z. Opiyo (centre) welcomed the SJUIT's 2023 TUSA games medal winners and one of their trainers, Mr. James Kibona (right) on Thursday, January 11, 2024 in his office and congratulated them for winning 2003 TUSA games for SJUIT.

Study at St. Joseph University In Tanzania

SJUIT sets the benchmarks of the global education with a system that matches the best of practices, theories, resources and standards all over the world. . SJUIT has become a destination WHERE YOUR DREAMS ARE NURTURED.

St. Joseph University In Tanzania (SJUIT) is a renowned university in Tanzania with two campuses at Mbezi-Luguruni and Boko Dovya. The St. Joseph College of Engineering and Technology (SJ CET) which is located at Mbezi-Luguruni campus offer Degree and Ordinary Diploma programmes in various fields of Engineering and Sciences, Mathematics and Education. The St. Joseph University College of Health and Allied Sciences (SJCHAS) at Boko-Dovya campus offers Doctor of Medicine (MD) degree and Ordinary Diploma in Pharmaceutical Sciences and Nursing.

SJUIT has secured the status as the UNIVERSITY OF CHOICE, when it comes to engineering, ICT, science education, and health and allied sciences studies in Tanzania. SJUIT is a university of choice not just for students alone but also for the labour market. The products of the university are well sought in the labour market for their mantle, discipline and dedication.



Practical sessions are crucial as they reinforce theoretical knowledge through hands-on experience. Students apply concepts in real-world scenarios, deepen understanding, and enhance their problem-solving skills.

School of Medicine is Listed in the World Directory of Medical Schools

The School of Medicine at the St. Joseph College of Health and Allied Sciences was listed in the World Directory of Medical Schools in 2023/24 academic year.

The details of SJUIT's MD programme such as curriculum duration, language of instruction, name of degree award, and entry qualifications are now included in the World Directory of Medical Schools.

Looking Ahead to 2024/25 Academic Year

New Hostel Apartments at Boko Dovya Campus

The University continued to improve teaching and learning environment in its campuses during the 2023/24 academic year. The Owner constructed a hostel with a capacity to accommodate 80 students at near Boko Campus.



Living near the University campus will offer several advantages for our students, including proximity to classes and other teaching and learning facilities.

What will be Different in 2024/25 Academic Year

- Online Hall Ticketing and Barcode Candidate Identification**
 Hall tickets for Continuous Assessment Tests (CAT) and for the End of Semester Examinations will be issued online via V-Campus.
- Revised Examination Regulations**
 The Senate approved the revisions made to the examination regulations during its 33rd meeting held on 25th April, 2024. The revised regulations (available on the University website at www.sjuit.ac.tz and on V Campus) will be applied.
- Guest Lectures, Hands-on Experience Workshops and Value Added Courses**
 SJUIT departments will organise several industrial guest lectures, hands-on experience workshops, and value added courses. Schedule of the events will be provided in due course by the departments.

Upcoming Events

- Commencement of 2024/25 Academic Year**
 The 2024/25 academic year is scheduled to commence on October 15, 2024 for all diploma programmes and on October 21, 2024 for all degree programmes at both Mbezi-Luguruni and Boko-Dovya campuses.

 The 19 degree and diploma programs in engineering and technology and health & allied sciences offered at Mbezi-Luguruni and Boko-Dovya campuses will be offered. Delivery and assessments will be conducted as scheduled in the University almanac.
- Launching of the EEE division of the IET at SJUIT**
 Launching of the Electrical and Electronics Engineering (EEE) division of the Institution of Engineers Tanzania (IET) at SJUIT is scheduled for November 22, 2024 at Mbezi Luguruni Campus, Dar es Salaam.
- 17th Graduation Ceremony**
 The 17th Graduation Ceremony is scheduled to be held on Wednesday, December 11, 2024 at Mbezi-Luguruni Campus, Dar es Salaam.

 Graduands will be conferred degrees and diplomas in Engineering and Technology; Sciences, Mathematics with Education; Medicine; Pharmaceutical Sciences; and Nursing and Midwifery.

Vision

To Spearhead Employable Education in Africa and Become part of its history

St. Joseph University In Tanzania (SJUIT)

Where your Dreams are Nurtured

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Mission

Capacity Building of Children of Africa to meet the Emerging Challenges happening in the World, by imparting Quality Employable Education with Discipline which leads to Self – Enlightenment and Development of the Nation.