



गृह मंत्रालय
**MINISTRY OF
HOME AFFAIRS**

सत्यमेव जयते



**National Forensic
Sciences University**

Knowledge | Wisdom | Fulfilment

An Institution of National Importance
(Ministry of Home Affairs, Government of India)

Centre of Excellence in Nutritional Supplements Testing for Sportsperson (CoE-NSTS)



TC-12241

ISO/IEC 17025:2017 &
9001:2015 Certified;
FSSAI Recognized

National Forensic Sciences University Gandhinagar
In collaboration with Ministry of Youth Affairs and Sports (MYAS)
& Food Safety and Standards Authority of India (FSSAI)

National Forensic Sciences University (NFSU)

Pioneering Excellence in Forensic Sciences

The National Forensic Sciences University (NFSU), recognized as an Institution of National Importance, stands as a beacon of innovation and expertise in the realm of forensic, behavioral, cyber security, digital forensics, and allied sciences. Established by the Government of India through the Act of 2020 (32 of 2020), NFSU is a trailblazer, addressing the acute shortage of forensic experts both within the country and on the global stage.

Vision: Bridging the Expertise Gap and Ensuring Safety Worldwide

The NFSU's vision is firmly rooted in the recognition of a critical shortage of forensic experts and the imperative to contribute to a safer world. The university aspires to fill this gap by imparting high-quality education, Training and conducting cutting-edge research in forensic science, crime investigation, security, behavioral science, and criminology. Through its endeavors, NFSU envisions making the world a better and safer place to live.

Mission: Education through Investigation and International Standards

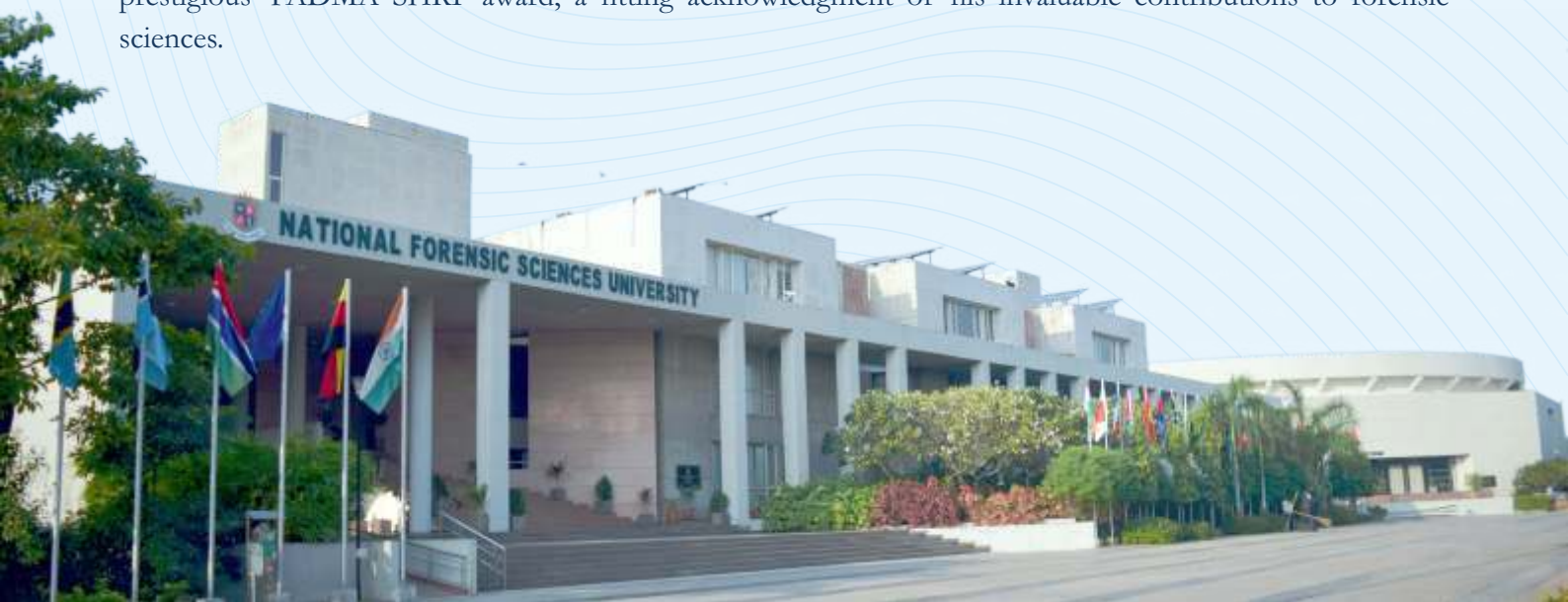
The mission of NFSU encapsulates the commitment to education through investigation, emphasizing hands-on learning and practical application. The university aims to provide education of international standards, equipping its students with the skills and knowledge necessary to excel in the diverse fields of forensic sciences. Additionally, NFSU is dedicated to advancing research in crucial areas such as forensic science, crime investigation, cyber security, behavioral science, criminology, Police science, Management & Accounting, Medico-legal, Engineering, Pharmacy etc.

History and Evolution: From GFSU to NFSU

Initially established as the Gujarat Forensic Sciences University (GFSU) in 2009 under the visionary leadership of the then Chief Minister of Gujarat, Shri. Narendra Modiji, NFSU evolved to its current status as the world's first and only university exclusively dedicated to forensic sciences. The transformation to National Forensic Sciences University was facilitated by the Act of 2020, a testament to the institution's growing significance and contribution to the field.

Leadership and Recognition:

At the helm of NFSU is Dr. J. M. Vyas, the Hon'ble Vice Chancellor, whose unwavering commitment to strengthening forensic capabilities has been pivotal. Dr. Vyas, a pioneer in the field of forensics, has received the prestigious 'PADMA SHRI' award, a fitting acknowledgment of his invaluable contributions to forensic sciences.





Dr. J. M. Vyas
Padma Shree Awardee
Vice-Chancellor
NFSU

Message from Vice-Chancellor, NFSU

The Center of Excellence for Centre of Excellence in Nutritional Supplements Testing for Sportsperson (CoE-NSTS) pioneer, being the nation's first-ever center exclusively dedicated to the testing and certification of nutritional supplements for athletes. Within its walls, this center embodies innovation and state-of-the-art facilities, underscoring its commitment to delivering the highest standards of functionality, efficiency, and overall effectiveness.

The CoE-NSTS is more than just a facility; it's a testament to our unwavering dedication to the well-being and integrity of athletes. Our Cutting-edge facility houses a meticulous testing process, providing athletes with the assurance of the authenticity of their chosen nutritional supplements. In an era where the purity of supplements is paramount, the CoE-NSTS serves as a beacon of trust for sportspersons seeking to optimize their performance without compromising their health or ethical principles.

The CoE-NSTS is more than a guardian of sports integrity; it is a partner to athletes, offering them the confidence to pursue their athletic endeavors with the assurance that their nutritional choices align with the highest standards. As we navigate the complex landscape of sports supplements, our goal is to support athletes in their pursuit of excellence while upholding the principles of fairness, transparency, and scientific rigor. Together, we forge a path towards a future where athletes can compete with confidence, knowing that their journey is built on a foundation of trust, expertise, and cutting-edge research.



Prof. (Dr.) S. O. Junare
Campus Director
NFSU, Gandhinagar

Message from Campus Director, NFSU

The vision for the Centre of Excellence in Nutritional Supplements Testing for Sportsperson (CoE-NSTS) is deeply rooted in the core values of integrity, excellence, and empowerment. Our objective is to establish a centre that not only meets rigorous international standards but also acts as a dynamic catalyst for the advancement of a culture promoting clean and ethical sports practices. Aligned with the national vision of 'Atmanirbharta' (self-reliance), CoE-NSTS is committed to playing a pivotal role in shaping the landscape of sports nutrition.

Our dedication extends beyond academic and research excellence; we aspire to contribute significantly to the broader realm of sports nutrition, ensuring a positive impact on athletes' well-being. By fostering an environment that embraces these principles, CoE-NSTS seeks not only to excel in scholarly pursuits but also to actively contribute to building a healthier, more empowered society through sports. The commitment to integrity, pursuit of excellence, and dedication to empowerment forms the foundation upon which CoE-NSTS stands, driving its mission to elevate the standards of sports nutrition and contribute meaningfully to the national vision.

About CoE-NSTS

INDIA'S FIRST AND UNIQUE CENTRE FOR PROVIDING TESTING AND CERTIFICATION FOR NUTRITIONAL SUPPLEMENTS TO ENSURE DRUG FREE SPORTS

As per the vision of our Hon'ble Prime Minister, about Atmanirbhar Bharat, the Ministry of Youth Affairs and Sports (MYAS) in collaboration with National Forensic Sciences University (NFSU) has taken the initiative to establish a Nutritional Supplement Testing Centre for Sportsperson.



Memorandum of Understanding (MOU) NFSU, MYAS & FSSAI

A tripartite MoU has been signed between the National Forensic Sciences University (NFSU), the Ministry of Youth Affairs and Sports (MYAS), and the Food Safety and Standards Authority of India (FSSAI) for setting up the testing facility for nutritional supplements for sportsperson on 15th October, 2022. This is one of the first definite steps in the direction of the nation's initiative to achieve the goal of 'Atmanirbharta'. In the years to come, India is poised to become a global leader for the availability of such a testing facility.

The centre has state-of-the-art facilities that incorporate the latest techniques, methodologies, and innovations to provide the highest level of functionality, efficiency, and effectiveness.



Objectives



Mitigation of Inadvertent doping, paving towards "Consume Fair & Play Fair Society"



To promote a clean sports culture through focused and impactful research



To establish nationally and internationally recognized testing facility dedicated to sports supplements

Mission



Fostering a culture of excellence and fairness in sports by equipping athletes with reliable information on the nutritional supplements they use in their routines.

Vision



Pioneering a visionary sports supplement testing laboratory dedicated to ensuring the highest standards of safety and efficacy, thereby safeguarding sportsperson.



Core Values



INTEGRITY

INNOVATION

QUALITY

FOCUS



RESEARCH

ETHICS

TEAMWORK

TRUST

ASSURANCE



What We Do?

TESTING

Nutritional Supplements

RESEARCH

Anti-doping Science

AWARENESS

Inadvertent Doping

TRAINING

Advanced Analytical Techniques



Services

- Screening of WADA Prohibited Substances
- WADA contaminant screening involves a meticulous examination process to ensure that nutritional supplements are free of substances prohibited by the World Anti-Doping Agency (WADA).



What We Offer

- Screening of all WADA Prohibited Substances
- Screening of Anabolic-Androgenic Steroids (AAS) & Stimulants
- Screening of Specific WADA group
- Testing of Targeted Drugs
- Confirmatory Analysis



Advanced Testing Facilities

- GC-HRMS (ORBITRAP)
- GC-EA-IRMS
- GC-MS
- GC-FID/NPD
- FT-IR
- LC-HRMS (QTOF)
- LC-MS/MS
- LC-MS
- UHPLC-QDA
- ICP-QQQ-IC

State-of-the-art Facility



A state-of-the-art facility is equipped with the latest technology for comprehensive testing. This includes advanced laboratories, testing equipments, and expert scientific staff proficient in analyzing various nutritional supplements.

Improvement and Innovation

Embrace innovation by constantly updating testing methodologies and equipment to adapt to emerging nutritional supplements and evolving scientific knowledge.



Regulatory Compliance



Work closely with regulatory bodies to ensure that testing protocols align with regulations. This would enhance credibility and trust among Athletes and Manufacturers.



world
anti-doping
agency



Certification Process

The Certification program that supplements can undergo after passing rigorous testing would assure their safety from WADA banned substances and help them in selecting the appropriate supplement.

Education Initiatives



We spread awareness about inadvertent doping through supplements and educate athletes about the importance of choosing tested and certified supplements. These initiatives could include workshops, seminars, and online resources.



" The Centre of Excellence In Nutritional Supplements Testing For Sportsperson (CoE-NSTS) embodies the convergence of science, technology, and sports, with a primary focus on enhancing sports integrity. The center is committed to paving towards "Consume Fair & Play Fair Society."



Dr. Astha Pandey
Head, CoE-NSTS/NDPS
NFSU, Gandhinagar



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