

JSS Academy Of Higher Education & Research

(Deemed to be University) Accredited A+ Grade by NAAC

BEST PRACTICE – 01

*GLOBAL CAPACITY BUILDING: CULTIVATING EXCELLENCE THROUGH
INTERNATIONAL COLLABORATION IN HEALTH SCIENCES*



Best Practice - 01

Title of the practice: *Global Capacity Building: Cultivating Excellence through International Collaboration in Health Sciences*

Objectives:

- To ***establish strategic partnerships and networks*** with international institutions and organizations, leveraging their expertise and resources to enhance capacity-building initiatives for stakeholders.
- To ***cultivate an inclusive and culturally diverse learning and working environment*** that fosters cross-cultural understanding, empathy, and collaboration among students, faculty, and institutions worldwide.
- To ***infuse global perspectives into teaching methodologies, research endeavours, and innovative practices***, ensuring that students and faculty have the skills and knowledge to address challenges and opportunities.
- To ***recognize, respect, and integrate traditional cultural values and knowledge systems*** into academic curriculum and institutional practices, promoting holistic learning and preserving cultural heritage in the context of globalization.

The Context:

At JSSAHER, our strategic plan is meticulously crafted to bolster global capacity building through dynamic international partnerships, harmonizing with the priorities set forth during India's G20 Presidency. Our institution serves as a beacon of open, equitable, and secure scientific collaboration, fostering seamless mobility among students, scholars, researchers, scientists, and policymakers. Through a multifaceted approach and robust multinational alliances, we actively fortify our capabilities to tackle pressing global challenges, particularly in the realms of health and pharmaceuticals. By nurturing a knowledge exchange and innovation culture, we strive to cultivate a diverse and interconnected global community, where traditional values and modern insights converge to drive holistic learning and sustainable development.

The Practice:

JSSAHER established a multidisciplinary ecosystem for capacity building to diverse stakeholders by providing training, skills, and support to individuals and communities, which empowered them to address challenges and contribute to global progress. Internationalization at JSSAHER entails breaking down barriers to facilitate the flow of information, ideas, and resources by bridging the borders.

The following initiatives exemplify the institution's practices in this regard:

1.WHO and JSSAHER collaboration for capacity building in health and pharma:

JSSAHER conducted **14** mentoring/training programs/Global Survey involving **10** National Agencies, **5** International Agencies, **160** experts and **2036** stakeholders connecting **194** member countries. The practices are outlined below:

- **Current Good Manufacturing Practices (cGMP):** First-of-a-kind virtual workshop by JSSAHER and WHO (all levels) in collaboration with the Indian Pharmaceutical Alliance (IPA) under the guidance of the MoHFW, GOI strengthened the capacities of 1115 participants from 323 Industries.
- **Training on Concept and implementation of Haemovigilance for healthcare providers** to 300+ participants supported for establishment and upgradation of the National Systems for Haemovigilance to promote blood safety in the 5 SEAR Countries.
- **The uniquely conceptualized Mentorship Program** trained the pharma companies to understand the requirements of WHO pre-qualification and mentored them in accessing quality medicines to meet national and global needs.
- **The Blood Components Separation and Plasma Fractionation program** for the WHO SEAR Countries built capacity and technical knowhow towards self-sufficiency and regional sufficiency of blood, blood components, plasma for fractionation and plasma derived medicinal products of 200+ participants.
- JSSAHER executed the **Desk Review of Blood and Blood Product Regulation** in WHO SEAR Countries.
- **Global Haemovigilance Survey** – was conducted by JSSAHER encompassing 194 countries from 6 regions of WHO.

2. Asia Pacific Capacity Building in Pharmacovigilance Program: JSSAHER and Uppsala Monitoring Center, Sweden, hosted the fourth WHO Asia Pacific Pharmacovigilance for **31** participants supported by **32** experts, which aimed to strengthen best practices and tools, signal detection, regulatory aspects, and reporting culture in pharmacovigilance.

3. Capacity building program for Ethiopian Food and Drug Authority (EFDA) Officials: JSSAHER conducted **3** training programs for **21 EFDA officials**, consisting of **35 experts**. The programs aimed to provide training in Analytical Instrumentation, Medicine Microbiology, and Audit Inspection and support regulatory systems in the African Region.

4. Impactful Education and Sustainable Development Goals with Howard University: JSSAHER, in collaboration with Howard University, USA, and Embassy of India, Washington, DC, USA, conducted **an international symposium for 300 participants and 30 experts on Impactful Education and Sustainable Development Goals, focusing on SDG 3 and SDG 4**, to set course for next several years.

5. International Clinical trials: JSSAHER conducted **150+** clinical trials including the mission COVID Suraksha, which include the efficacy of BCG Vaccine on COVID-19 among elderly, and other vaccine trails related to COVID-19 since inception through Centre for Clinical Research Excellence, which is also recognized as the WHO sentinel site for vaccine safety and trials.

6. Biocon-JSSAHER Certificate Program in Global Regulatory Affairs: JSSAHER, in collaboration with Biocon Academy, conducted **2** capacity-building training intensive programs for **37** participants trained by **16** experts with **100 %** placement for global/industrial regulatory requirements.

7. e-Vidya Bharati, e-Arogya Bharati, and Study in India Scholarship: JSSAHER partnered with the Government of India in supporting higher education through 3 flagship programs benefitting 775 international students admitted for 21 UG/PG programs representing 41 countries with scholarships.

8. JSSAHER Overseas Research Fellowship (JSSAHER ORF): JSSAHER earmarked a budget of 100 lakhs for training 10 Ph.D. scholars, out of which 4 were exchanged with top universities abroad with an aim for collaborative research and to undergo advanced training in Health sciences.

9. International Collaborative Research & Publications: JSSAHER 's impactful international collaborative research yielded 2278 publications in peer-reviewed Scopus-indexed journals, involving 259 collaborative authors from 210 Institutions/organisations and 49 global industry corporates connecting 5 continents. In addition, JSSAHER handled 10+ collaborative international projects with a total sanctioned amount of ₹625 lakhs. Further, TIFAC of JSSAHER works in traditional medicine and documents the regional herbal medicinal plants to protect heritage of our country from piracy resulting in development and technology transfer of two products.

10. International Bridge Course: JSSAHER supported the displaced Indian students of MBBS Phase I, II and III from abroad, including Ukraine, Russia, and China by conducting intensive practical and virtual training, clinical observerships, and skill development benefitting 250 students.

These initiatives collectively demonstrate JSSAHER 's commitment to fostering global capacity building and international collaboration in health sciences and beyond.

Evidence of Success

With a vision to nurture the leaders of tomorrow, JSSAHER has extended its reach globally, empowering stakeholders in health sciences to unprecedented heights. Through relentless dedication and unwavering determination, JSSAHER has achieved measurable outcomes that are truly awe-inspiring. The measurable outcomes of capacity building and internationalization yielded 21 intensive training programs for 3453 beneficiaries supported by 432 experts. These impactful outcomes stand as a testament to JSSAHER 's commitment to shaping a brighter and healthier future for all also given in the picture below:

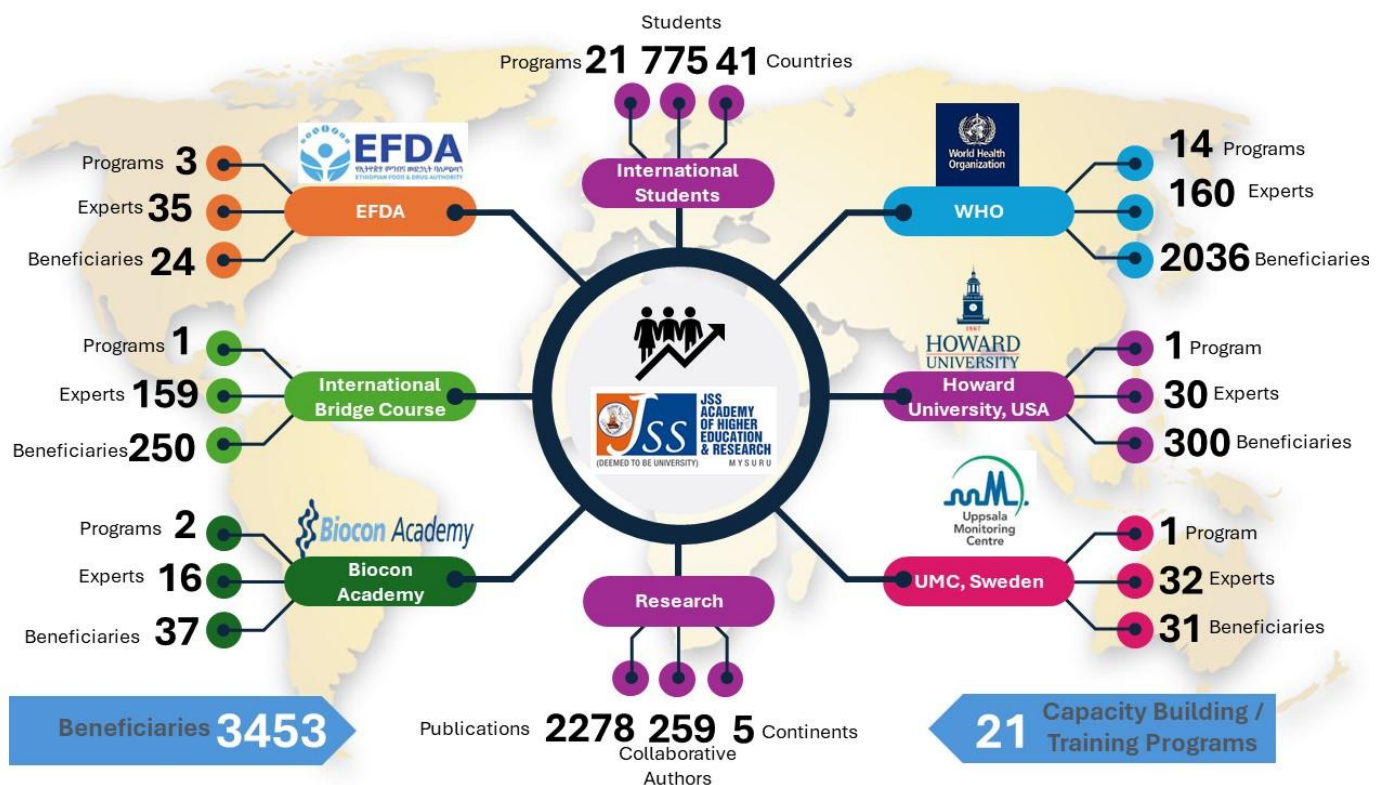


Fig: Global Capacity Building and Internationalization

Problems Encountered and Resources Required

Navigating the complexities of global capacity building demands astute resource management and adept problem-solving. At JSSAHER, we encountered various challenges ranging from budget mobilization to legal compliance and technological adaptability. With this, we meticulously addressed budget constraints by implementing strategic financial planning and seeking alternative funding sources in partnerships with government bodies and industry associations to stay abreast of regulatory changes and garner support for our internationalization endeavours. Advanced logistics systems including adaptable technologies and language resources were seamlessly integrated into our operations, ensuring efficient coordination and delivery of resources across borders. Through proactive measures and collaborative efforts, we transformed challenges into opportunities, paving the way for a resilient and globally competitive enterprise.

Notes

JSSAHER's global capacity-building journey epitomizes strategic planning, proactive implementation, and adept problem-solving. Initially, we identified the need to expand worldwide outreach and enhance competitiveness in health sciences. Leveraging partnerships and resources, we formulated comprehensive programs to transfer knowledge and skills across borders. Despite encountering challenges like budget constraints and legal complexities, we remained committed to progress, navigating obstacles with resilience and innovation. Our successful initiatives have strengthened our global position and contributed to a more interconnected global economy. Our

experience stands as a beacon, inspiring others to embrace challenges and pursue excellence in global capacity building.