

17.2.3 – International Collaboration on Data Gathering for the SDGs

JSS Academy of Higher Education & Research (JSS AHER), Mysuru actively participates in **internationally collaborative programmes focused on gathering, analysing, and translating scientific data linked to the United Nations Sustainable Development Goals (SDGs)**. Through strategic partnerships with global universities, research institutions, and international funding agencies, JSS AHER contributes to building evidence systems that inform sustainable health, environmental protection, and policy development, particularly aligned with **SDG 3 (Good Health & Well-being), SDG 12 (Responsible Consumption & Production), SDG 13 (Climate Action), and SDG 17 (Partnerships for the Goals)**.

These initiatives strengthen institutional capacity for standardized data collection, enhance international research linkages, and enable locally generated data to contribute to global knowledge platforms for sustainable development.

Establishment of the JSS AHER – University of Wolverhampton Centre of Excellence in Future Healthcare and Policy Innovation

Date: 23rd April 2025

International Partner: University of Wolverhampton, United Kingdom

JSS Academy of Higher Education & Research (JSS AHER), Mysuru, in collaboration with the **University of Wolverhampton, UK**, inaugurated the **Centre of Excellence in Future Healthcare and Policy Innovation** — a landmark international initiative aimed at strengthening **global research cooperation, healthcare innovation, and policy development**.

The Centre has been envisioned as an **interdisciplinary, transnational platform** to address evolving global health challenges through:

- **Artificial Intelligence (AI) in Medicine**
- **Health Policy & Systems Evaluation**
- **Clinical Trials and Translational Research**
- **Decarbonisation and Sustainability in Healthcare**
- **Digital Health & Evidence-Based Policy Reform**

The Centre aligns its mission with internationally recognised benchmarks such as the **UK's National Institute for Health and Care Excellence (NICE)**, as well as national and bilateral policy frameworks including **India–UK Knowledge Partnerships** and **India's Ayushman Bharat Digital Health Mission (ABDM)**.

Since its launch, the Centre has taken forward multiple high-impact initiatives, including:

- **International Symposium on Future Healthcare & Green Innovation**, featuring academic leaders from both institutions.
- **“Black Country Research Talks” Series** – Promoting ethical research practices and academic integrity, including the session on *“Fraud within Research”* (May 7, 2025).
- **Collaborative grant development** in key frontier areas such as:
 - Antimicrobial Resistance (AMR)
 - AI-enabled healthcare delivery
 - Ageing and long-term care systems
 - Climate change and environmental health impacts
- Participation in **two major international grant proposals (~₹50 crores)** under the **DBT–BIRAC Bio-AI Hubs Programme**, focusing on:
 - Precision medicine for neurodegenerative diseases
 - Gut microbiome and Ayurveda-based AI research

The Centre is also planning a **joint international workshop on the Ayushman Bharat Digital Health Mission (ABDM)** in August 2025, highlighting its strong focus on **capacity building, health systems strengthening, and digital transformation**.

Additionally, the collaboration promotes:

- **Joint PhD supervision**
- **Faculty and student exchange programmes**
- **International research fellowships**, including the **JSS AHER Overseas Research Fellowship**
- Structured **knowledge diplomacy and innovation exchange**

This Centre exemplifies JSS AHER’s role as a **global academic and policy leader**, where research, sustainability, innovation, and equity converge to shape future-ready healthcare systems — both in India and internationally.

Cross-Sector & Global Relevance:

This initiative represents a powerful **international, academic–policy–technology collaboration** spanning healthcare, AI, sustainability, public policy and education. It directly contributes to:

- **SDG 3 – Good Health & Well-being**
- **SDG 4 – Quality Education**
- **SDG 9 – Industry, Innovation & Infrastructure**
- **SDG 13 – Climate Action**
- **SDG 17 – Partnerships for the Goals**



Global South Collaboration on Plastic Pollution and Sustainability – Joint Publication Initiative

Title of Volume:

Plastic Pollution and Sustainability: Emerging Research, Solutions, and Policy Pathways

Collaborating Institutions:

- **JSS Academy of Higher Education & Research (JSS AHER), Mysuru**
- **NAM S&T Centre**
- **JSS Science and Technology University (JSS STU)**

Date of Launch: 30 July 2025

Venue: JSS AHER, Mysuru

On 30th July 2025, JSS Academy of Higher Education & Research (JSS AHER) marked a significant milestone in **global environmental sustainability scholarship** through the official launch of the joint volume *“Plastic Pollution and Sustainability: Emerging Research, Solutions, and Policy Pathways.”* The publication is the outcome of strong **South–South academic collaboration**, driven by a shared commitment to address the urgent challenge of plastic pollution.

The volume emerged from an earlier **international conference hosted by JSS AHER**, focused on mobilising developing nations to undertake collective action on plastic waste and sustainable environmental practices. It brings together **interdisciplinary research contributions from scientists, academicians, and policymakers from the Global South**, covering key areas such as:

- Innovations in **biodegradable polymers**
- Impacts of plastic pollution on **public health**
- **Smart waste tracking systems** and digital monitoring solutions
- **Zero-waste frameworks** for urban and rural ecosystems
- Policy pathways and region-specific sustainability strategies

The launch ceremony was graced by distinguished dignitaries:

- **Dr. C.G. Betsurmth**, Executive Secretary, JSS Mahavidyapeetha
- **Dr. Suresh Bhojraj**, Pro-Chancellor, JSS AHER
- **Dr. H. Basavanagowdappa**, Vice-Chancellor, JSS AHER
- **Dr. A.N. Santosh Kumar**, Vice-Chancellor, JSS STU
- **Dr. Amitava Bandyopadhyay**, Director General, NAM S&T Centre
- **Dr. Vishal Kumar Gupta**, Dean – Academics, JSS AHER

The volume was edited by **Prof. Dr. Suriya Narayanan** and **Dr. Shivaraju H.P.**, and reflects JSS AHER’s commitment to supporting **evidence-based research, regional innovation, and policy-informing knowledge dissemination**. This initiative also complements JSS AHER’s recognition in the **Times Higher Education Impact Rankings 2025**, where the university was placed **56th globally**.

As highlighted by Dr. Amitava Bandyopadhyay, Director General, NAM S&T Centre: *“This volume stands as a lasting outcome of our joint commitment to sustainability and South-South cooperation. It proves that institutions in the Global South can lead impactful, policy-relevant research to address global environmental challenges.”*

S. Suriyanarayanan
Shivaraju H. P.
Kandiah Pakeerathan *Editors*

Combating Plastic Pollution in Terrestrial Environment

Challenges and Strategies for a
Sustainable Future

 Springer



“National Short Course on “Endocrine Disruptors and Reproductive Health”

(3rd – 7th March 2025, JSS AHER, Mysuru)

In a significant step toward strengthening international efforts in environmental and reproductive health data generation, JSS AHER hosted a national short course titled **“Endocrine Disruptors and Reproductive Health”**. The programme was conducted in collaboration with:

- **Centre for Chronic Disease Control (CCDC), New Delhi**
- **Centre for Health Analytics Research and Trends (CHART), Ashoka University**
- **Harvard T.H. Chan School of Public Health, USA**
- **Fogarty International Center (USA) under the GEOHealth Programme**

This programme directly contributed to **international data gathering and measurement frameworks** used to monitor the impact of environmental factors on human health outcomes. Participants were trained in:

- **Life-course exposure assessment frameworks** using global GEOHealth and GEOHealth-HEALS models
- Identification and analysis of **Endocrine Disrupting Chemicals (EDCs)** such as pesticides, BPA, phthalates, heavy metals, and air pollutants
- **Environmental exposure mapping** in agro-ecological and vulnerable communities
- Linking **environmental data with reproductive health indicators**, fertility outcomes and hormonal disruptions
- Community-based data collection methodologies aligned with international epidemiological standards

International experts such as **Dr. Shruthi Mahalingaiah (Harvard University)** guided sessions on standardized data measurement techniques and reproductive outcome tracking, enabling participants to generate **globally comparable datasets**. The programme also encouraged the development of **multi-center and cross-border research proposals**, strengthening international cooperation in environmental health surveillance and SDG-linked monitoring.

Through this initiative, JSS AHER significantly contributed to:

- Building skilled human resources for **international environmental health data collection**
- Strengthening **global data ecosystems** focused on reproductive and environmental health
- Informing **evidence-based policy frameworks** for sustainable and safe environments
- Supporting long-term monitoring of SDG targets related to health and environmental safety

Austria Meets Aesthetics – Collaboration with Edelweiss Dentistry, Austria

Date: 5th February 2025

During the international workshop **“Bio-Esthetics and Function in Harmony”**, JSS Dental College & Hospital signed an MoU with **Edelweiss Dentistry Products, Austria**. This international partnership provides:

- Training in **esthetic dentistry techniques**
- Access to **advanced dental material technologies**
- Equipment demonstrations and lab-based exposure
- International learning resources for students and faculty

The MoU was signed by **Dr. Stephan Lampl** on behalf of Edelweiss Dentistry.

Cross-Sector Relevance:

This collaboration strengthens **international academic–industry linkages**, promotes

technology transfer, and enhances **global exposure for students**, supporting **SDG 4 (Quality Education)**, **SDG 9 (Innovation)** and **SDG 17 (Global Partnership)**.



Global Faculty Exchange & Academic Collaboration – South Kazakhstan Medical Academy (SKMA)

Participating Unit: JSS College of Pharmacy, Mysuru – JSS Academy of Higher Education & Research (JSS AHER)

Partner Institution: South Kazakhstan Medical Academy (SKMA), Kazakhstan

Dates: 3rd – 8th March 2025

As part of its continued focus on **internationalisation, faculty mobility, and global academic engagement**, JSS Academy of Higher Education & Research (JSS AHER) strengthened its international footprint through a **faculty exchange programme with South Kazakhstan Medical Academy (SKMA), Kazakhstan**.

Dr. Dithu Thekkekara and **Dr. Prabitha P**, faculty members of **JSS College of Pharmacy, Mysuru**, represented JSS AHER during this academic exchange visit. The engagement created a productive platform for **knowledge sharing, academic dialogue, and future-oriented collaboration**.

Key Areas of Engagement

During the visit, the JSS AHER faculty members:

- Presented the **academic, research, and innovation strengths of JSS AHER**

- Interacted with faculty and students of SKMA in structured academic sessions
- Explored possibilities for:
 - Joint research projects
 - Faculty exchange programmes
 - Student mobility initiatives
 - Technology transfer and innovation partnerships
- Held strategic discussions with senior leadership of SKMA, including:
 - **Dr. Zhanna**, Rector, SKMA
 - **Dr. Saule**, Department of Pharmaceutical Chemistry
 - **Dr. Zhanat**, Department of Pharmacology & Toxicology

This engagement reinforced a shared vision for **intercontinental cooperation in pharmaceutical sciences, healthcare education, and translational research.**





International Expert Interaction in Pharmacoepidemiology & Patient Safety – Monash University Collaboration

Participating Unit: JSS College of Pharmacy, Mysuru – JSS Academy of Higher Education & Research (JSS AHER)

Partner Institution: Monash University, Australia

Date: 7th January 2025

As a continuation of its commitment to **global academic networking, international knowledge exchange, and excellence in pharmaceutical education**, JSS Academy of Higher Education & Research (JSS AHER), through **JSS College of Pharmacy, Mysuru**, hosted an eminent delegation from **Monash University, Australia** for an expert academic interaction.

The visiting international scholars, **Dr. Simon Bell** and **Dr. Jenni Ilomaki**, are globally recognized for their work in **pharmacoepidemiology, medicine use research, and patient safety**. Their engagement served as a rich platform for dialogue on contemporary challenges and innovations in the rational use of medicines.

Key Outcomes of the Interaction

The visit enabled:

- In-depth academic discussions on:
 - Safe and rational use of medicines
 - Patient safety frameworks
 - Pharmacoepidemiological research approaches
- Knowledge exchange between **international experts and JSS AHER faculty & students**

- Deliberations on the potential for:
 - Joint research studies in clinical pharmacy and medication safety
 - Faculty and student exchange programmes
 - Collaborative publications and global grant applications
- Strengthened visibility of JSS AHER on the **international academic map of pharmaceutical research**

This interactive session not only enriched academic learning but also laid the groundwork for **long-term institutional collaboration** in high-impact healthcare research.



International Mental Health Research & Data Engagement – Maldives Collaboration

Participating Faculty: Dr. Jeyaram Bharathi, JSS AHER

International Partner: Harrison College of Pharmacy, Auburn University, USA

Programme Location: Maldives

Date: 10th – 15th March 2025

Further strengthening its **global academic and research footprint**, JSS Academy of Higher Education & Research (JSS AHER) made a significant contribution to **international mental health research in the Maldives** through an expert-level global outreach initiative.

Dr. Jeyaram Bharathi, as an international collaborator with the **Harrison College of Pharmacy, Auburn University (USA)**, actively participated in the **International Research and Outreach Global Program** titled:

“Assessing the Mental Health of the Maldivian Population for Global Healthcare”

This initiative focused on **data gathering, situational analysis, and contextual understanding** of the mental health status of the Maldivian community, with a special emphasis on vulnerable and underserved populations.

Key Contributions & Outcomes

The programme enabled:

- Collection and interpretation of **community-level mental health data** in the Maldivian context
- Contribution to **evidence-based assessment** of psychological well-being and risk factors
- Academic input in identifying **priority areas for mental health policy interventions**
- International knowledge exchange between **Indian, American, and Maldivian stakeholders**
- Strengthening of JSS AHER’s role as a **global contributor to public and mental health research**

The initiative highlighted JSS AHER’s capacity to extend its expertise beyond national borders in support of **global health equity, data-driven decision-making, and sustainable health planning**.



Global Academic Partnership Dialogue – University of the Pacific, USA

International Partner Institution: University of the Pacific, USA

JSS AHER Host Institution: JSS Academy of Higher Education & Research, Mysuru

Dates: 18th – 20th January 2025

Visiting Delegates:

- Dr. Jim Uchizono – Professor & Associate Dean for Student Affairs and Admission
- Dr. Srikanth Kolluru – Associate Dean of Academic Affairs

As part of its strategy to **expand international academic networks and research partnerships**, JSS Academy of Higher Education & Research (JSS AHER) hosted a distinguished delegation from the **University of the Pacific, United States of America**, during January 2025.

The visiting delegates engaged in high-level academic and strategic discussions with **institutional leadership, faculty members, and researchers at JSS AHER**. The meetings focused on:

- Exploring **student and faculty exchange programmes**
- Initiating **joint research collaborations** in identified priority areas
- Strengthening **academic mobility and intercultural learning**
- Creating pathways for **dual academic exposure and knowledge transfer**
- Identifying future opportunities in **health sciences, life sciences and interdisciplinary research**

This visit laid a strong foundation for a **long-term, sustainable international partnership**, opening global academic avenues for students and faculty of both institutions.



International Academic Visit and Research Dialogue – Università Della Campania “Luigi Vanvitelli”, Italy

International Partner Institution: Università Della Campania “Luigi Vanvitelli”, Italy

JSS AHER Host Unit: Department of Pharmaceutical Biotechnology, JSS AHER

Date: March 2025

Visiting Academic: Dr. Vincenzo Desiderio

In March 2025, **JSS Academy of Higher Education & Research (JSS AHER)** hosted **Dr. Vincenzo Desiderio**, a distinguished academic from **Università Della Campania “Luigi Vanvitelli”, Italy**, at the **Department of Pharmaceutical Biotechnology**.

The visit served as a strategic platform for **academic engagement, knowledge exchange, and research collaboration**. During his interaction with faculty members and postgraduate students, Dr. Desiderio shared valuable insights into:

- Current trends and innovations in **pharmaceutical biotechnology**
- Emerging interdisciplinary research areas in **biomedical and translational sciences**
- Global perspectives on **drug discovery, development, and bio-therapeutics**
- Opportunities for **joint publications, collaborative projects, and academic mobility**

The interaction strengthened **institution-to-institution linkages**, encouraged **collaborative research planning**, and fostered a globally aligned research environment within JSS AHER.



Global Academic Interaction and Knowledge Exchange – Department of Pharmaceutical Biotechnology, JSS AHER

International & National Experts:

- **Dr. Nirmal Robinson**, Head – Cellular Stress and Immune Response Laboratory, Centre for Cancer Biology, University of South Australia, Australia
- **Dr. Balasubramanian**, Dean, School of Pharmacy, JOY University
- **Dr. Praveen**, Vice Principal, Paavai College of Pharmacy, Namakkal (Alumni, JSS College of Pharmacy, Ooty)

Host Unit: Department of Pharmaceutical Biotechnology, JSS Academy of Higher Education & Research

Date: 8th March 2025

On 8th March 2025, the **Department of Pharmaceutical Biotechnology, JSS AHER**, hosted a distinguished group of **international and national academic leaders** for an interactive knowledge-sharing session with faculty members and students.

The visiting experts shared insights on:

- **Cellular stress responses and immune mechanisms in cancer biology**
- **Emerging trends in translational and molecular research**
- **Intersections of biotechnology, pharmacy education, and clinical research**
- **Future directions in pharmaceutical biotechnology and biomedical innovation**

- **Opportunities for collaborative research, mentoring, and institutional linkages**

The interaction not only strengthened academic discourse but also opened pathways for **collaborative research initiatives, faculty engagement, and student mentorship**, reinforcing an interdisciplinary learning environment at JSS AHER.



Global Leadership in Pharmaceutical Standards – Participation in USP Convention 2025

Activity / Event:

Representation of JSS AHER at the **U.S. Pharmacopeial (USP) Convention 2025**

Institution / Organisation Involved:

U.S. Pharmacopeia (USP) – Global scientific and public health organisation for medicine quality standards

Representative:

Dr. B. Suresh, Pro-Chancellor, JSS Academy of Higher Education & Research (JSS AHER)

JSS Academy of Higher Education & Research (JSS AHER) marked its presence on the global stage through the participation of **Dr. B. Suresh** at the **USP Convention 2025**, a premier international gathering of scientists, policymakers, regulators, educators, and public health leaders committed to strengthening the **quality, safety, and efficacy of medicines and health products worldwide**.

USP is internationally recognised for developing **evidence-based standards** that guide pharmaceutical manufacturing, testing, and regulation across countries. Through its **Regional Chapters and Sectoral Forums** (generic medicines, biologics, dietary

supplements, excipients and innovation), USP facilitates consensus-driven dialogue on emerging challenges such as medicine quality, supply chain resilience and regulatory harmonisation.

During the Convention, Dr. Suresh actively contributed to deliberations on:

- **Pharmaceutical education and capacity building** in emerging economies
- **Global regulatory harmonisation and quality assurance models**
- **Future directions in drug standards, innovation and compliance**
- **Strengthening cross-border collaboration in public health protection**

In addition to formal sessions, Dr. Suresh engaged in **knowledge exchange with global experts, students and regulatory leaders**, reinforcing the importance of international mentorship, cooperation and consensus-driven action in safeguarding global medicine quality systems.

The participation of JSS AHER's leadership at such a platform strengthens the institution's role in **shaping international pharmaceutical standards, contributing to global data-driven decision-making, and enhancing India's visibility in the global health ecosystem.**



International Collaboration Programme: JSS AHER – Australia Partnership for Pharmacy Practice & Health Systems Data (LLLP 2025)

Preamble

JSS Academy of Higher Education & Research (JSS AHER) actively participates in **international collaborations that contribute to the collection, interpretation, and application of data aligned to the Sustainable Development Goals (SDGs)** — particularly **SDG 3 (Good Health and Well-being)**, **SDG 4 (Quality Education)** and **SDG 17 (Partnerships for the Goals)**. Through strategic academic mobility, international research fellowships, and joint institutional engagement, JSS AHER contributes to **global data dialogue on medicines use, patient safety, healthcare education, ageing populations, and evidence-based clinical practices**.

One such significant initiative was JSS AHER's engagement with Australian universities and healthcare institutions during the **LLLP 2025 Conference and academic exchange programs**, which contributed to global understanding of pharmacy education models, patient safety data, and real-world medicine use patterns.

Programme 1: Participation in Lifelong Learning in Pharmacy (LLLP) 2025 – Sydney, Australia

Date: 7–10 July 2025

Participating Institution:

University of Sydney & International Lifelong Learning in Pharmacy (LLLP) Network

JSS AHER Delegation:

- Dr. Arun K. P., Vice-Principal, JSS College of Pharmacy, Ooty
- Mr. Vishwas H. N., Assistant Professor, JSS College of Pharmacy, Ooty
- Dr. Savitha, Professor, JSS College of Pharmacy, Mysuru
- Dr. Sri Harsha Chalasani, Associate Professor, JSS College of Pharmacy, Mysuru

At the **LLLP 2025 International Conference**, JSS AHER faculty actively contributed to **global discussions and data-sharing on:**

- Pharmacy workforce development and lifelong learning outcomes
- Patient safety practices and medication adherence trends
- Phase-wise evaluation of PharmD curriculum impact
- Role of Artificial Intelligence in medicine use data analytics
- Cultural and contextual barriers in healthcare education

Key Academic Contribution:

Dr. Arun K. P. presented an international research poster titled:

“Navigating Challenges in Pharmacy Practice Education: Insights from the Indian PharmD Program”

This presentation contributed to **comparative international data on pharmacy training systems**, offering measurable parameters on:

- Clinical competency development
- Practice-readiness gaps
- Patient-care centered curriculum outcomes

These data points directly support global benchmarking of **Pharmacy Education Quality Indicators**, which align with:

SDG 3 – Strengthening healthcare delivery

SDG 4 – Enhancing equitable and effective education

SDG 17 – Strengthening international academic cooperation

Programme 2: Academic Collaboration with University of South Australia (UniSA) – Adelaide

As part of the same international visit, the JSS AHER team engaged in institutional dialogue and field-based academic interaction at the **University of South Australia (UniSA)** and associated healthcare units, including:

- **Women’s and Children’s Hospital, Adelaide**
- **Quality Use of Medicines and Pharmacy Research Centre (QUMPRC)**

The discussions contributed to data exchange on:

- Deprescribing practices for the elderly (SDG 3: Healthy Ageing)
- Pharmacist-led intervention models in chronic care
- Real-world medication error reporting frameworks
- Community medication safety data

This engagement supports **global evidence-building on rational drug use and non-communicable disease management**, contributing to:

SDG 3 – Good Health and Well-being

SDG 10 – Reduced Inequalities in Healthcare

SDG 17 – International knowledge exchange

Programme 3: International Fellowship and Research Engagement

A significant milestone in data-driven collaboration was achieved through:

Repat Pharmacy Visiting Research Fellowship – University of South Australia

Awarded to: Mr. Vishwas H. N.

Tenure: 15 June – 11 July 2025

Under the mentorship of **Prof. Debra Rowett**, Mr. Vishwas H.N. participated in:

- Seminars on global medicine safety data systems
- Research discussions on ageing populations and drug efficacy
- Exposure to clinical datasets on cancer care and geriatrics
- Observational studies in community and hospital pharmacy settings

In addition, he attended structured workshops at the **University of Sydney** on:

- **Generative AI in health data interpretation**
- **Emotional intelligence in healthcare delivery systems**

This directly enhanced JSS AHER's capacity to **collect, analyse and interpret international health datasets**, which strengthens data contributions towards:

SDG 3 indicator measurement (health outcomes, safe medicine use)

SDG 4 indicator measurement (quality of professional education)

SDG 17 indicator relevance (global partnerships, capacity building)

Outcomes Linked to SDG Data Contribution

Through this programme, JSS AHER achieved:

- Exchange of **quantitative and qualitative data** on healthcare delivery and pharmacy education
- Benchmarking of **Indian PharmD outcomes with international standards**
- Initiation of **joint datasets for future comparative studies**
- Enhanced frameworks for **AI-based health data analysis**
- Pathways for **co-authored publications and joint research proposals**

These activities contribute to **international evidence-building for SDG monitoring**, particularly in:

- Medication safety indicators

- Health workforce education data
- Non-communicable disease prevention strategies
- Ageing population healthcare systems

Conclusion

JSS AHER's engagement in Australia through the **LLLP 2025 Conference, University collaborations, and Visiting Research Fellowship programme** clearly demonstrates the institution's commitment to **international data gathering, evidence generation, and comparative health systems research.**





International Collaboration on SDG Data Collection: UniSA – JSS AHER New Colombo Plan (NCP) Study Tour 2025

Preamble

JSS Academy of Higher Education & Research (JSS AHER) actively engages in **international academic partnerships that contribute to the collection, interpretation, and contextual understanding of data aligned with the Sustainable Development Goals (SDGs), particularly SDG 3 (Good Health and Well-being), SDG 4 (Quality Education), SDG 10 (Reduced Inequalities), and SDG 17 (Partnerships for the Goals).**

One such significant initiative was the **New Colombo Plan (NCP) Study Tour 2025**, which brought pharmacy students and faculty from the **University of South Australia (UniSA)** to **JSS College of Pharmacy, Mysuru**, for an immersive, practice-based, and community-oriented learning programme. Beyond cultural and academic exchange, the programme enabled **joint data gathering on mental health, community health awareness, clinical care practices, and pharmacist-led public health interventions** — all directly relevant to SDG monitoring and impact measurement.

Programme Overview

Programme: New Colombo Plan (NCP) Study Tour 2025

Partner Institution: University of South Australia (UniSA)

Host Institution: JSS College of Pharmacy, Mysuru (JSS AHER)

Delegation led by: Senior Lecturer Mr. Vijay Suppiah

Participating students: Sharon Shaji, Jade Ryan, Ojus Sharma, Rajvi Mali

The visiting delegation engaged in a **two-week, field-embedded programme** involving classroom interaction, hospital exposure, and community engagement alongside **JSS Pharm.D students and faculty**.

SDG-Focused Academic and Clinical Engagements

1. Mental Health & Well-being – SDG 3

The programme commenced with a joint interactive session on **mental health and well-being**, where UniSA and JSS students:

- Compared international approaches to mental health management
- Discussed barriers to access and stigma in different societal contexts
- Identified data gaps in youth and community mental health
- Explored community-based mental health interventions

This session contributed to **qualitative and contextual data** on:

- ✓ Mental health awareness levels among students
- ✓ Cultural perceptions of mental illness
- ✓ Accessibility of care in urban vs semi-urban settings

This supports **SDG 3 indicators** related to mental health promotion and prevention.

2. Hospital & Clinical Practice – Measuring Healthcare Delivery

Under the guidance of **Dr. Acsah Annie Paul**, the UniSA students observed:

- Clinical processes in the **Neurology Department, JSS Hospital**
- Patient assessment protocols in psychiatric and neurological care
- Medication safety mechanisms and pharmacist roles
- Interdisciplinary coordination in schizophrenia treatment

This provided **comparative learning and observational data** on:

- ✓ Patient engagement approaches

- ✓ Clinical workflow efficiency
- ✓ Medication safety standards
- ✓ Role of pharmacists in mental health care

Such observations add value to **global data on healthcare system effectiveness**, strengthening SDG 3 measurement.

3. Student-led Innovations & Digital Health – SDG 9 & SDG 3

The visiting students studied JSS-led digital initiatives such as:

- **Dose4You – a student-driven medicine safety and dosing platform**
- **Arogya Hrudaya – a digital support tool for heart failure management**

These projects demonstrate the application of:

- ✓ Technology in improving health outcomes
- ✓ Youth-led innovation in healthcare systems
- ✓ Digital tools for community health tracking

These contribute to global datasets related to:

Healthcare innovation

Preventive care monitoring

Community-level health interventions

Community Engagement – Data from Grassroots Health Interventions

A key component of the tour was **field engagement**, where visiting students actively participated in community programmes alongside JSS AHER:

- **Mental health awareness campaigns**
- Visits to **schools, old-age homes, and the Desire Society orphanage**
- Interactions at **JSS Ayurvedic Hospital**

Through these activities, students and faculty observed:

- ✓ Community health awareness levels
- ✓ Access to healthcare in vulnerable groups
- ✓ Health behaviour patterns across age groups
- ✓ Integration of traditional medicine into primary healthcare

These interactions contribute to **context-based global health data**, supporting:

- SDG 3: Good Health and Well-being
- SDG 10: Reducing health inequalities

- SDG 11: Sustainable communities

International Student Reflections as Qualitative SDG Data

The reflections provided by the UniSA students formed an important source of **qualitative data** on the impact of healthcare and education systems in India:

- The importance of communication in clinical safety
- The strength of community-linked healthcare
- The role of pharmacists in both hospital and outreach settings
- Cultural competence in healthcare delivery

These reflections serve as **narrative evidence** of how educational immersion contributes to:

Global citizenship

Culturally responsive health systems

Collaborative sustainable development

Such reflections are used in post-programme evaluation and cross-country comparative studies, forming **soft-indicator data** for SDG progress tracking.

Direct Relevance to SDG 17.2.3 – International Collaboration on Data

This programme **clearly demonstrates JSS AHER's involvement in international data-related collaboration** by:

- Co-creating **observational and experiential datasets** with UniSA
- Supporting shared learning on **health indicators and education outcomes**
- Providing real-world contexts for **global SDG assessment**
- Strengthening South–Global institutional partnerships
- Facilitating knowledge transfer for **policy, research, and curriculum development**

The NCP Study Tour acted as a **live, international data collection and comparison platform** where:

SDG Type of Data Gathered

SDG 3 Mental health, medication safety, community healthcare practices

SDG 4 Pharmacy education quality and experiential learning outcomes

SDG 10 Healthcare access disparities

SDG Type of Data Gathered

SDG 17 International partnerships and shared data exchange

Conclusion

The UniSA – JSS AHER New Colombo Plan Study Tour 2025 was not merely an academic exchange, but a **structured, international collaboration for collecting ground-level data and contextual insights supporting the UN Sustainable Development Goals**. Through clinical exposure, community programmes, student innovation, and reflective analysis, the initiative strengthened **global understanding of health and education systems in the Global South**, directly contributing to SDG monitoring, reporting, and improvement strategies.





International Collaboration for SDG Data Gathering: JSS AHER – Seton Hall University, USA (Visiting Professorship 2025)

Preamble

JSS Academy of Higher Education & Research (JSS AHER) actively participates in **international collaborations that support the generation, analysis, and interpretation of data relevant to the United Nations Sustainable Development Goals (SDGs)**, particularly **SDG 3 (Good Health & Well-being)**, **SDG 9 (Industry, Innovation & Infrastructure)**, and **SDG 17 (Partnerships for the Goals)**.

A key example is the **Visiting Professorship of Prof. Saravana Babu Chidambaram** at **Seton Hall University (SHU), USA**, from **15th April to 31st July 2025**, hosted by the **Institute of NeuroImmune Pharmacology (INIP)** under the mentorship of **Dr. Sulie L. Chang**. This engagement strengthened bilateral academic ties while facilitating **joint data generation for global health challenges**, especially in the domains of **neurodegeneration, gut–brain–immune interactions, and chronic disease mechanisms**.

International Research Training & Data Generation for SDG 3

During the visiting period, Prof. Babu underwent advanced, internationally benchmarked training which directly enabled **new forms of health-related data collection and modelling**, contributing to SDG-linked research outcomes:

- Training in **3D human brain organoid culture technology**, enabling *animal-free, human-relevant neurological disease modelling*
- Application of **TEER assays** to assess blood–brain barrier function, generating precise **quantitative data on neurovascular integrity**
- **Flow cytometry-based immune profiling** using the MACSQuant®10 platform to evaluate immune responses in neurological and inflammatory conditions
- Use of **Ingenuity Pathway Analysis (IPA)** for mapping molecular and cellular pathways linked to disease mechanisms

These advanced methodologies directly support **evidence-based data generation** for:

- Neurological disorders
- Neuroimmune diseases
- Chronic inflammation
- Public health risk factors

Such datasets are critical in measuring global progress toward **non-communicable disease control, ethical research models, and population health resilience** — key sub-indicators of **SDG 3**.

Joint Grant Development – Global Health Data Collaboration

A major outcome of the collaboration was the **joint development and submission of an NIH R21 grant proposal** entitled:

“Microbiome and Gut–Brain–Immune Axis in Alcohol-Induced Pain and Ayurveda”

This proposal represents a **cross-cultural, interdisciplinary data initiative**, combining:

- Modern biomedical data collection
- Indigenous and traditional knowledge systems (Ayurveda)
- Microbiome profiling
- Neuroimmune response mapping

This internationally coordinated effort demonstrates **JSS AHER’s direct involvement in generating globally relevant datasets** aligned with:

- SDG 3: Good Health & Well-being
- SDG 9: Innovation
- SDG 17: Partnerships

Scientific Dissemination & International Data Sharing

The engagement further strengthened JSS AHER’s role in **international knowledge and data-sharing platforms**:

- Presentation at the **Society on NeuroImmune Pharmacology (SNIP) 2025 Conference, Nebraska**, sharing collaborative research findings
- Academic visit and lectures at **National Institute on Alcohol Abuse and Alcoholism (NIAAA) – NIH**
- Interactions with researchers at the **University of Nebraska Medical Center (UNMC)** to explore joint datasets and translational models

These activities ensure that **data generated through collaboration is disseminated internationally**, supporting **transparent, comparative and scalable SDG measurements**.

Long-Term Institutional Impact & SDG Capacity Building

The Visiting Professorship also led to:

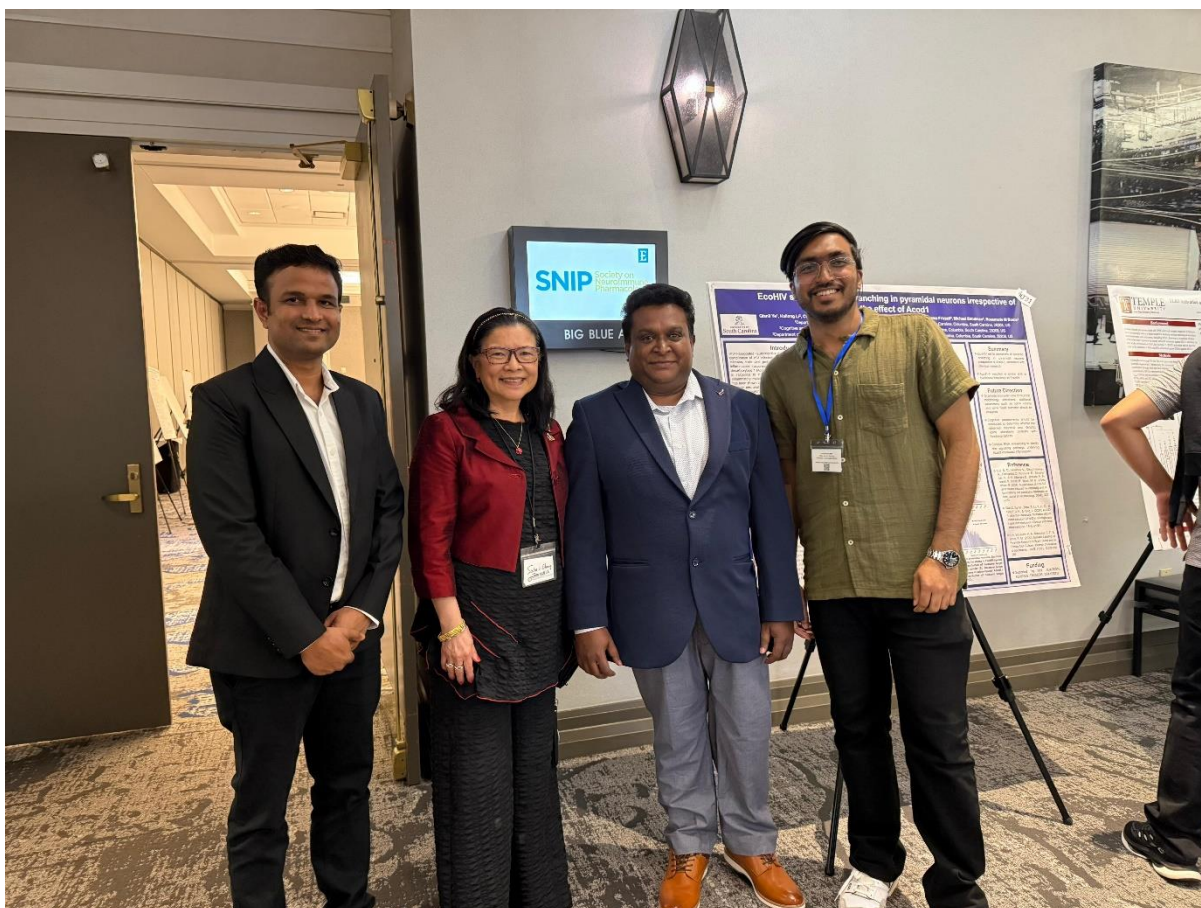
Initiation of a formal **MoU process between JSS AHER and Seton Hall University**
Transfer of **advanced research technologies and data frameworks** to JSS AHER
Capacity building for **future SDG-aligned data collection and analysis** in India
Opportunities for **joint supervision, student exchanges, and long-term research programmes**

These structural developments reinforce **JSS AHER's sustained ability to gather, interpret, and share SDG-relevant data** over the long term.

Alumni Engagement – Global Human Capital Network

The **JSS Alumni Meet in the USA**, with participation of **52 alumni**, further enhanced cross-border academic and professional connections. This global network serves as a **living data and knowledge exchange ecosystem**, supporting health, education and innovation-related SDG monitoring in diverse geographic contexts.





International Collaboration for SDG Data Generation: JSS AHER – Long Island University (USA) Renewal of Partnership

Preamble

JSS Academy of Higher Education & Research (JSS AHER) actively strengthens international partnerships that support **joint data generation, policy-relevant research, and evidence-based decision-making for the Sustainable Development Goals (SDGs)** – particularly **SDG 3 (Good Health and Well-being), SDG 4 (Quality Education) and SDG 17 (Partnerships for the Goals)**.

As part of this commitment, JSS AHER has **reinvigorated its long-standing collaboration with Long Island University (LIU), USA**, initially established through a Memorandum of Understanding in **2010**, and renewed through high-level academic engagement in **2025**.

High-Level Strategic Engagement for Joint Research and Data Initiatives

The recent visit of **Dr. B. Suresh, Pro Chancellor, JSS AHER** to Long Island University marked a strategic step towards **strengthening collaborative mechanisms for international data-driven research and academic exchange**.

Key discussions focused on:

- Development of **joint research platforms** addressing global challenges in **health, education and sustainability**
- **International student and faculty exchange initiatives** to support cross-cultural data collection and comparative studies
- Collaborative frameworks for **healthcare data analysis, policy research, and educational impact assessment**
- Opportunities for creating **shared databases and research outputs** aligned with global health, access to education, and capacity building indicators under the SDGs

Institutional-Level Dialogue Supporting SDG Measurement

During the visit, Dr. Suresh engaged with senior LIU leadership, including:

- **Ms. Eileen Read**, Director of Development, University Advancement
- **Dr. Gregory W. Barton**, Dean, Honors College and Global College

These discussions explored **joint academic models that enable the collection, interpretation, and dissemination of data relevant to global development goals**, especially in:

Health systems strengthening (SDG 3)

Global higher education access and equity (SDG 4)

Institutional partnerships for development (SDG 17)

The collaboration also opens scope for **co-designed research on health equity, global quality assurance in education, and international health workforce development**, all of which require **cross-border data gathering and comparative analysis**.

Diaspora & Alumni Engagement for Global SDG Knowledge Networks

The renewed partnership was further strengthened through the efforts of **Mr. Mahendra Korapati**, LIU alumnus, entrepreneur, and adjunct faculty member, whose active role

enhanced the creation of a **global academic and professional network** linked to JSS AHER.

These alumni interactions form a **living data and knowledge ecosystem**, supporting:

- International research collaboration
- Field-based data generation in diverse settings
- Cross-border innovation and SDG knowledge sharing

Outcomes & SDG 17.2.3 Alignment

This renewed collaboration demonstrates that **JSS AHER is not only participating in international partnerships, but is actively creating systems for joint data gathering, analysis and impact measurement** in alignment with the United Nations Sustainable Development Goals.

It clearly evidences:

- Active international engagement (India–USA)
Institutional commitment to joint SDG-focused studies
Frameworks for shared data generation and analysis
Support for comparative and longitudinal impact assessment
Strengthening of global academic and health networks



International Collaboration for Inclusive Health Data: JSS AHER – JICA (Japan) under the IMPACT-VIP Project

As part of its commitment to strengthening global partnerships for inclusive and equitable development, **JSS Academy of Higher Education & Research (JSS AHER)** actively collaborates with international agencies to **generate, analyse, and improve data-driven solutions for vulnerable populations**, directly supporting **SDG 3 (Good Health & Well-being)**, **SDG 10 (Reduced Inequalities)**, and **SDG 17 (Partnerships for the Goals)**.

From **June 7–10, 2025**, JSS AHER hosted a **high-level delegation from Japan** under the **Japan International Cooperation Agency (JICA)-supported IMPACT–VIP (Visually Impaired Persons) Project**, including:

- Mr. Tokuhiro Arakawa
- Mr. Kenji Takaoka
- Ms. Tomomi Okamoto
- Mr. Kenta Miyamoto

The collaboration focused on developing **inclusive, evidence-based healthcare models for the visually impaired** through:

- Joint discussions on **data collection frameworks** for assessing healthcare accessibility
- Exploration of **impact measurement tools** for inclusive health programs
- Exchange of **best practices in assistive healthcare technologies and service delivery**
- Establishing pathways for **comparative and longitudinal data analysis** between India and Japan

This international engagement strengthens JSS AHER's role in **gathering and interpreting cross-national data on disability-inclusive healthcare**, enabling the development of **scalable and transferable models** for low- and middle-income countries.



International Collaboration on Health Data in Extreme Environments: JSS AHER – IBMP, Russian Academy of Sciences

Demonstrating its commitment to global scientific collaboration and data-driven innovation aligned with the **Sustainable Development Goals (SDGs)**, **JSS Academy of Higher Education & Research (JSS AHER)** signed a landmark **Memorandum of Understanding (MoU)** with the **Institute of Biomedical Problems (IBMP), Russian Academy of Sciences, Moscow**, on **29 July 2025**.

This collaboration focuses on **joint generation, collection, and analysis of biomedical data related to human health in space and extreme environments**, directly contributing to **SDG 3 (Good Health and Well-being)**, **SDG 9 (Innovation & Infrastructure)**, and **SDG 17 (Global Partnerships)**.

Key areas of collaboration under the MoU include:

- **Joint ground-based and flight-based research studies** generating new datasets on human physiological, neurological and metabolic responses in extreme conditions
- **Clinical and experimental trials** using IBMP's Unique Scientific Facilities to measure health parameters relevant to both space science and terrestrial extreme environments
- **Cross-country data sharing**, joint publications, patents, and technology transfer based on collaboratively generated research evidence
- **Faculty, student and PhD exchanges**, enabling researchers from JSS AHER to participate directly in international data collection protocols at IBMP

The collaboration is further strengthened by **advanced training undertaken by Dr. Gowthanrajan at IBMP**, helping build institutional capacity in **space medicine and environmental physiology data research**.

Through this strategic partnership, JSS AHER actively participates in **international data generation, monitoring, and benchmarking of human health under extreme conditions**, contributing to global knowledge systems that support sustainable healthcare innovation on Earth and beyond.



International Collaboration in Pharmaceutical and Health Data Systems: JSSCP, Ooty – USA Engagement (July 2025)

In line with its commitment to advancing the **Sustainable Development Goals (SDGs)** through international research collaboration, **JSS College of Pharmacy, Ooty (JSSCP)**, under **JSS Academy of Higher Education & Research (JSS AHER)**, strengthened its global engagement through an official academic and industry visit to the **United States** led by **Dr. S. P. Dhanabal, Principal**, from **1–20 July 2025**.

The visit focused on building strategic partnerships for **joint research, data generation, and evidence-based innovation in pharmaceutical sciences and public health**, contributing to **SDG 3 (Good Health and Well-being)**, **SDG 9 (Industry, Innovation & Infrastructure)**, and **SDG 17 (Partnerships for the Goals)**.

Dr. Dhanabal engaged in scientific and academic discussions with leaders and researchers from **Novitium Pharma Inc., Seton Hall University, Rutgers University, New York Medical College, University of Maryland, US Pharmacopeia (USP), and Howard University**. These discussions explored collaborative mechanisms for:

- **Joint data collection in pharmaceutical development, drug safety, and regulatory science**
- **Shared research on quality assurance and medicine standardisation (through USP alignment)**
- **Development of interoperable academic–industry research platforms supporting evidence-based healthcare**
- **Cross-institutional data sharing and joint publications linked to global health benchmarks**

A key outcome of the visit was the **initiation of a Memorandum of Understanding (MoU) with the University of Maryland**, which includes planned collaboration in **data-driven pharmaceutical research, student and faculty exchanges, and joint training initiatives in healthcare analytics and innovation**. Additionally, **student engagement is planned with Howard University in December 2025**, further strengthening global learning and data collaboration.

This visit also reinforced alumni–institution ties through interaction with **Dr. Samy Shanmugam (COO, Novitium Pharma Inc.)**, enabling potential collaborations in **industry-led health data analysis and research translation**.

Through these engagements, **JSSCP Ooty actively contributes to international systems of knowledge exchange and data generation**, strengthening its role in **monitoring, advancing, and supporting SDG-aligned pharmaceutical education and health innovation** on a global scale.



International Collaboration in Clinical Data Systems: JSS AHER – Jeeva Clinical Trials, USA (April 2025)

As part of its commitment to strengthening global health data systems and supporting the **Sustainable Development Goals (SDGs)**, particularly **SDG 3 (Good Health and Well-being)** and **SDG 17 (Partnerships for the Goals)**, **JSS Academy of Higher Education & Research (JSS AHER)** entered into an international collaboration with **Jeeva Clinical Trials, Virginia, USA**, on **10 April 2025**.

Under this collaboration, Jeeva has extended access to its **patient-centric, cloud-based clinical research software platform**, which is **FDA 21 CFR Part 11 compliant and hosted on AWS**, enabling secure, standardised, and globally valid data collection. This platform is being made available **free of cost for academic use** across JSS AHER to support **training, coursework, and capacity-building in clinical research and data management**.

JSS AHER will also utilize Jeeva's platform in **investigator-initiated and sponsored clinical studies**, facilitating **systematic collection, management, and analysis of patient and population health data**. A significant outcome of the MoU is the **joint creation of patient registries and population health databases**, contributing directly to evidence generation for monitoring disease trends, treatment outcomes, and healthcare access.

The partnership also enables:

- **Collaborative research publications based on shared datasets**
- **Mutual referral of national and international clinical research projects**
- **Structured data exchange between India and the USA to support global health benchmarking**
- Establishment of a **single point of coordination at JSS AHER**, ensuring sustained and organised international data collaboration

Through this initiative, **JSS AHER actively participates in an international, technology-enabled ecosystem for collecting, managing, and analysing health data**, strengthening global efforts in **evidence-based policy planning, clinical research transparency, and SDG-linked health monitoring**.

Report on JSS AHER's Role in Large-Scale Health Data Generation and SDG-Aligned Research

JSS Academy of Higher Education & Research (JSS AHER), Mysuru, plays a significant role at national and international levels in generating, analysing, and interpreting large-scale health data to support evidence-based policymaking. Through its participation in multiple multicentric and global health initiatives, the institution actively contributes to the **measurement of disease burden, risk factor analysis, demographic trends, and health system mapping**—all directly linked to **Sustainable Development Goal 3: Good Health and Well-being**.

1. Contribution to the Global Burden of Disease (GBD) Study 2021

JSS AHER is an active participant in the **Global Burden of Disease (GBD) Study 2021**, an international collaborative research effort coordinated by the **Institute for Health Metrics and Evaluation (IHME)** and supported by the **Bill & Melinda Gates Foundation**.

The GBD 2021 Study is one of the world's most comprehensive health data initiatives, covering:

- 371 diseases and injuries
- 204 countries and 811 subnational locations
- A time span from 1990 to 2021
- Metrics such as **DALYs, YLLs, YLDs, HALE, mortality and prevalence**

17.2.1

Through this contribution, JSS AHER supports:

- Identification of emerging disease trends
- Modelling of future health scenarios
- Health system planning
- Monitoring progress toward SDG health targets
- Evidence generation for international agencies including **WHO, ICMR and MoHFW**

17.2.1

2. Global Burden of Neurological Disorders (1990–2021)

One of the major analytical components of GBD 2021 was the **Global Burden of Neurological Disorders**, where expanded neurological conditions were included for the first time.

The study included:

- Stroke, epilepsy, Parkinson's disease, dementia, migraine, neurological cancers
- Neurodevelopmental disorders (autism, intellectual disabilities, developmental delay)
- Neurological sequelae of congenital, neonatal, infectious and metabolic conditions

The study generated country-wise and age-sex stratified data on:

- Mortality
- Prevalence
- DALYs
- YLLs and YLDs

Neurological disorders were identified as the **leading cause of global DALYs in 2021** affecting **3.40 billion people** worldwide.

17.2.1

These findings have direct implications for:

- National neurology care strategies
- Rehabilitation planning
- Ageing population care
- Mental and neurological health policy formulation

3. Global Mortality Dynamics & Life Expectancy Decomposition (1990–2021)

Another major data-centric contribution included **comprehensive modelling of global mortality patterns** across **288 causes of death**.

This project utilised:

- 56,604 international data sources
- Vital registration systems

- Verbal autopsy studies
- Disease surveillance systems
- COVID-19 mortality records

Advanced tools used included:

- Cause of Death Ensemble Model (CODEm)
- Spatiotemporal Gaussian Process Regression (ST-GPR)
- Bayesian hierarchical modelling

17.2.1

This work helped:

- Track changes in life expectancy
- Identify pandemic-driven reversals
- Map regional mortality concentrations
- Support global SDG monitoring frameworks

4. Global Stroke Burden and Attributable Risk Factors

JSS AHER's engagement also extended to the **Global Stroke Burden analysis (1990–2021)** which studied:

- Ischaemic stroke
- Intracerebral haemorrhage
- Subarachnoid haemorrhage

The project evaluated:

- Incidence, prevalence, mortality
- DALYs and YLLs
- 23 risk factors (including air pollution, hypertension, diabetes, smoking)

This dataset now supports:

- Stroke prevention policies
- Lifestyle modification strategies
- Risk factor mapping

- Targeted regional interventions

17.2.1

5. Antimicrobial Resistance (AMR) Burden & Forecasts Up to 2050

JSS AHER has contributed to the **Global Burden of Bacterial Antimicrobial Resistance Study (1990–2021)**.

This included analysis from:

- Over **520 million individual records**
- Pathogen–drug resistance patterns
- Multinational hospital and laboratory datasets

Projected outcomes:

- 1.91 million AMR-attributable deaths by 2050
- 8.22 million associated deaths annually by 2050
- Elderly population most affected

These findings directly inform:

- One Health strategies
- National AMR Action Plans
- Global funding priorities
- Drug discovery initiatives

17.2.1

6. Sickle Cell Disease (SCD): National & Multinational Initiatives

Dr. Deepa Bhat of JSS Medical College, Mysuru has led several nationally funded, internationally recognised SCD studies, including:

- ICMR National Task Force – Tribal SCD screening (₹67 L)
- Wellcome Trust / India Alliance CTRITH Centre (₹1.2 Cr)
- Psychosocial & economic impact of SCD in tribal Mysuru
- Development of India's first **ICMR–SCD Stigma Scale (ISSSI)**

Over **3.48 lakh people were screened** and an **Indian Population Hemoglobinopathy Registry** was created.

17.2.1

These efforts influenced:

- The National Sickle Cell Anaemia Elimination Mission (2023–2047)
- State and national policy documents
- Inclusion of genetic counselling and stigma reduction models

17.2.1

7. Health System Strengthening & Registry Development

Using WHO SARA framework, JSS AHER:

- Mapped infrastructure gaps
- Assessed service readiness
- Built digital and population-based disease registries
- Established models for community-led care delivery

These efforts contribute to **SDG 3.8 – Universal Health Coverage** and **SDG 10 – Reduced Inequalities**.

17.2.1

8. International and National Policy Impact

All the above studies have:

- Informed MoHFW, WHO and ICMR
- Supported National Health Policy
- Strengthened Ayushman Bharat strategies
- Contributed to demographic and epidemiological planning
- Enabled real-time SDG monitoring and evaluation

17.2.1

Conclusion

Through its deep involvement in **global disease modelling, national registries, demographic forecasting, genetic epidemiology, antimicrobial resistance analysis, neurological and stroke burden quantification, and community-based data systems**, JSS AHER stands as an active **international partner in gathering, measuring, interpreting and applying data for the Sustainable Development Goals**.

The university exemplifies the role of an academic institution not only as a centre of learning, but as a **global health intelligence hub supporting evidence-driven action, policy formulation, and equitable development**.

2024 to 2025 International Collaborations List

Sl. No	Name of Institution / Organization	Start Date	End Date
International			
1	La Trobe University, Australia	27.07.2010	16.12.2025
2	Khon Kaen University, Thailand	05.10.2010	Unlimited
3	National University of Science and Technology, Oman	07.09.2013	14.06.2027
4	National Institute of Health (NIH), USA	28.07.2010	Unlimited
5	Howard University, Washington DC, USA	14.02.2012	29.03.2028
6	Southern Illinois University Edwardsville (SIUE), USA	28.10.2017	08.06.2028
7	University of North Carolina (UNC), USA	26.02.2016	15.05.2026
8	University of Malaya, Malaysia	29.04.2014	15.07.2027
9	Institute for Global Public Health Frank H. Netter MD School of Medicine Quinnipiac University, USA	26.05.2017	31.01.2028
10	Albany College of Pharmacy and Health Sciences, USA	16.05.2018	15.05.2023
11	JSS Academy of Higher Education and Research (Mauritius)	05.09.2018	Unlimited
12	Pacific University, Oregon, USA	26.02.2019	Unlimited
13	University of Cyberjaya (UoC), Malaysia	23.11.2019	22.11.2027
14	University of Maryland, Maryland, USA	02.01.2020	01.01.2025
15	The University of Warwick, United Kingdom	29.06.2020	28.06.2023
16	The Genomic Medicine Foundation UK (GMF-UK)	12. 06.2020	11.06.2025
17	The University of Manchester, UK	30.07.2020	29.07.2025
18	Bangor University, UK	30.07.2020	29.07.2025
19	The University of Oxford, UK	30.07.2020	29.07.2025
20	Boston University, USA	19.08.2020	18.08.2025
21	University of North Texas Health Science Center (UNTHC), USA	01.08.2020	31.07.2025
22	The University of Arizona, USA	09.02.2021	08.02.2026
23	Georgia State University, USA	09.04.2021	08.04.2026

24	Warsaw University of Life Sciences – SGGW, Warsaw, Poland	21.04.2021	20.04.2026
25	I -Care Health Training Institute, Namibia	13.09.2021	12.09.2024
26	University of Saskatchewan, Saskatoon, Canada	21.10.2021	20.10.2026
27	Arany Lab, Buffalo, University, New York, USA	22.10.2021	21.10.2026
28	Non-Aligned and Other Developing Countries (NAM S&T CENTRE)	25.10.2021	24.10.2026
29	The University of Turin, Italy	30.10.2021	29.10.2026
30	Nova Biomedical Corporation, USA	06.06.2022	05.06.2026
31	Global Value Web, Netherlands	13.04.2022	12.04.2025
32	Janssen Pharmaceuticals, Inc., Belgium	13.04.2022	12.04.2025
33	South Kazakhstan Medical Academy (SKMA), Shymkent, Kazakhstan	28.11.2022	27.11.2027
34	Management & Science University, Malaysia	10.12.2022	10.12.2025
35	Google LLC, California, USA	08.02.2023	07.07.2024
36	IPB University, Indonesia	24.02.2023	23.02.2028
37	Tashkent Pharmaceutical Institute, Uzbekistan.	13.04.2023	12.04.2028
38	Tashkent Medical Academy, Uzbekistan	13.04.2023	12.04.2025
39	Tashkent Institute of Irrigation and Agricultural Mechanization Engineers (TIIAME) National Research University, Uzbekistan	14.04.2023	13.04.2028
40	The University of the Witwatersrand, Johannesburg, South Africa	14.03.2023	31.12.2025
41	Sechenov University, Russia	15.07.2023	14.07.2028
42	Miracosta College, USA	27.07.2023	26.07.2028
43	Nihon Pharmaceutical University, Japan	25.10.2023	24.10.2028
44	INTI International University, Malaysia	01.08.2024	30.07.2029



Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre)

and

JSS Academy of Higher Education & Research (JSS AHER)

Joint NAM S&T Centre – JSS AHER, Mysuru, India

Fellowship Programme - 2024

Background

In pursuance of a Memorandum of Understanding (MoU) concluded by the Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre) [www.namstct.org] with the JSS Academy of Higher Education & Research (JSS AHER), Mysuru, Karnataka, India [www.jssuni.edu.in], a ‘**Joint NAM S&T Centre – JSS AHER, Mysuru, India Fellowship Programme**’ was initiated in the year 2022 for providing opportunities to scientists, researchers and academicians from the Member Countries and S&T – Industry Network Members of the NAM S&T Centre to affiliate themselves with the constituent institutes of JSS AHER in various fields of Science, Technology, Engineering and Medicine.

Objective

The objective of the “**Joint NAM S&T Centre – JSS AHER, Mysuru, India Fellowship Programme**” is to provide opportunities to the scientists and researchers from the Member Countries and S&T – Industry Network Members of the NAM S&T Centre for working in the affiliated institutes of JSS AHER in different areas of Science, Technology, Engineering and Medicine.

In order to promote the progress towards ensuring healthy lives and well being for all, short-term research proposals in the following sub-areas will be preferred:

1. Pharmaceutical Sciences
2. Drug Discovery and Molecular Simulation
3. Maternal and Child Health
4. Molecular Genetics
5. Preclinical Studies
6. Bioinformatics
7. Gut Microbiome Studies
8. Cancer Biology

9. Neurobiology
10. Protein Engineering
11. Analytical Chemistry
12. Materials Science

Number of Fellowships

Up to 5 scientists and researchers or academicians from the Member Countries and S&T-Industry Network Members of the NAM S&T Centre will be sponsored each year by the Centre to carry out research work at the affiliated institutes of JSS AHER under the Joint Fellowship Programme.

Duration of Fellowship

The maximum duration of the Fellowship would be six weeks. However, it may be extended further upon mutual consultation between the visiting scientist and the host institution based on the purpose of the visit/scope of work.

Eligibility

- a) The applicant must hold at least a Master of Science (M.Sc.) or an equivalent degree and should be actively engaged in research and development on the identified subjects.
- b) Applicant's age should not exceed 40 at the time of applying; however, if qualifications are equal, younger scientists may be preferred.
- c) Only scientists and researchers from the Member Countries and S&T-Industry Network Members of the NAM S&T Centre will be eligible. Only one scholar from any country/organization can be considered each year for the Fellowship award.

Financial and Other Terms

- a) JSS AHER will provide free furnished accommodation and a pocket allowance equivalent to @US \$250 per month in local currency for the duration of the fellowship to each scientist selected under the Fellowship Programme. JSS AHER will also arrange free of cost transport by road between Bengaluru and Mysuru to the selected scientists on their arrival/departure.
- b) The NAM S&T Centre will cover the *international airfare* of the selected candidates from those Member Countries or Members of the NAM S&T– Industry Network, which have no outstanding dues towards the annual membership subscription to the Centre. Lists of Member Countries and Members of the NAM S&T– Industry Network are available in the Centre's website- www.namstct.org. Scientists from the Member Countries having outstanding dues against their membership contribution can avail this facility subject to the condition that at least the current year's payment will be made by such countries.
- c) JSS AHER or its designated host institution will provide all the possible facilities and

access to various instruments and equipments that may be required by the fellows for implementing their research activity.

- d) Individual fellows or their governments/institutions will be required to bear the following costs:
- ❖ All expenses in the home country incidental to travel abroad, including expenditure for passport and visa, required medical examinations and vaccinations and miscellaneous expenses such as internal travel to/from the airport of departure in the home country.
 - ❖ Salary and other related allowances during the Fellowship period.
 - ❖ Costs towards medical insurance to cover the period of Fellowship in India.
- e) The NAM S&T Centre and JSS AHER will not assume responsibility for the following expenditure in connection with the Fellowship of a particular scientist/researcher:
- ❖ Insurance, medical bills or hospitalization fees.
 - ❖ Compensation in the event of death, disability or loss of personal belongings or compensation for damage caused by climatic or other conditions.
 - ❖ Travel or other costs incurred by the dependents, who might accompany the fellows.

Submission and Selection of Applications

- a) Filled in Application Form duly endorsed by the Focal Point of the NAM S&T Centre in the Member Country or the NAM S&T – Industry Network Member should be submitted to the NAM S&T Centre.
- b) A “Statement of Purpose” giving a brief write-up on the work to be carried out during the proposed visit should be attached with the application (2-3 pages).
- c) Applicants will be selected on the basis of their professional experience and the statement outlining the purpose of visit/scope of work.
- d) The NAM S&T Centre, after brief scrutiny, will forward the suitable applications to JSS AHER or its designated host institution for their consideration. The selection process will be done by a duly constituted Committee consisting of Members from JSS AHER and the NAM S&T Centre.
- e) In matter of selection, the decision of the NAM S&T Centre and JSS AHER shall be treated as final.



**Centre for Science and Technology of the Non-Aligned and
Other Developing Countries (NAM S&T Centre)**

and

**JSS Academy of Higher Education & Research (JSS AHER),
Mysuru, Karnataka, India**

**Joint NAM S&T Centre – JSS AHER, Mysuru, India Fellowship
Programme-2024**

APPLICATION FORM

(Please TYPE or use BLOCK capitals; NO COLUMN SHOULD BE LEFT BLANK)

SECTION - A

(To be filled in by the Applicant)

**Affix a Recent
Photograph**

1. **Name (Dr./Mr./Mrs./Ms.):**.....
(As in Passport)
2. **Designation (Position held):**
3. **Nationality:**
4. **Date of Birth:** **Place of Birth (City):** **(Country):**
5. **Passport No:** **Place of Issue:**
Date of Issue: **Valid up to:**
(Please enclose a copy of your Passport)
6. **Full Address (Home):**
.....
Phone: **Fax:** **E-mail:**
Mobile:

7. Name of the Parent Organisation (Employer):
Full Address (Office):
.....
Phone: Fax: E-mail:
8. Educational Qualifications:
Highest Degree:
Year of Award:
University:
Field of Study:
9. Brief Bio-data (including professional and research experience and a list of papers published, if any) [*in enclosed Format*]
10. What in your opinion qualifies you for the Fellowship?
(*To be attached on a separate sheet*)
11. Plan of Work to be carried out in JSS AHER (Statement of Purpose)
(*To be attached on a separate sheet*)
Signature of applicant:
Date:

SECTION-B

RECOMMENDATION OF PARENT INSTITUTION

(The Candidate must get the application recommended by his/her Parent Institution/employer).

(Signature)

Name (in full):

Designation:

Date:

SECTION -C

ENDORSEMENT BY NOMINATING AUTHORITY

(The Candidate may get the application endorsed by the Focal Point of the NAM S&T Centre in his/her country, if he/she wishes to receive the support of his / her return international airfare to Bengaluru, Karnataka, India. For name/address of the Focal Points please visit Centre's website- www.namstct.org)

(Signature)

Name (in full):

Designation:

Date:

SEAL

Check List

(for Enclosures to be attached with Application Form)

- i) Endorsement by the Focal Point of the NAM S&T Centre in the Member Country or the NAM S&T–Industry Network Member should be submitted to the NAM S&T Centre.
- ii) Brief Curriculum Vitae in **enclosed** Format (in MS Word) and a list of papers published, if any.
- iii) A “Statement of Purpose” (in MS Word) giving a brief write-up on the work to be carried out during the proposed visit should be attached with the application (1 -2 pages).
- iv) A write up (in MS Word) on what qualifies you for the Fellowship.
- v) A copy of the relevant pages of the Passport.

Note: The documents (ii), (iii) and (iv) above must be in **MS-Word format** only; PDF or image files will not be accepted. Hard copies of the Application Form and the above attachments are NOT REQUIRED to be submitted.



**Centre for Science and Technology of the Non-Aligned and
Other Developing Countries
(NAM S&T Centre)**

**India Habitat Centre, Lodhi Road
New Delhi, India**

Curriculum Vitae

1. Personal Details:

Name: (Prof./Dr./Mr./Mrs./Ms.)

Designation: Position Title

Present Employer: Full Address (Office)

City/State/Province:

Country:

Nationality:

Date of Birth: DD/MM/YYYY

Proficiency in English Language:

Permanent Address: Full Address (Home)

Gender:

Marital Status:

Contact: Mobile:

Telephone Office:

Fax:

E-mail:

Alternative e-mail:

Font Name: Times New Roman
Font Size: 12

2. Academic Qualifications: In chronological order

Qualification Awarded Degree/Diploma/Certificate	Major Subject	University/Institution	Year (From-To)
1.			
2.			
3.			
4.			
5.			

3. **Professional Experience:** In chronological order

Organisation/Institution	Position Title	Year (From-To)	Nature of duties
1.			
2.			
3.			
4.			
5.			

Total number of years of relevant experience –

4. **Research Experience:** In chronological order

Research Title	Duration	Status
1.		
2.		
3.		

4.		
5.		

5. **Administrative Experience:** Not more than 100 words
6. **Experience with respect to the title of the programme:**
7. **Details of Awards/Recognitions (if any) :**
8. **Any other information:** Not more than 50 words
9. **Recent Publications:** Only five recent publications to be mentioned
10. **Recent Photograph:** A recent passport size colour photo to be **attached**
