Industrial University of Ho Chi Minh City

SDG 09
INDUSTRY, INNOVATION AND INFRASTRUCTURE

IUH RANKINGS MANAGEMENT

SDG 09

INDUSTRY, INNOVATION AND INFRASTRUCTURE

CÔNG NGHIỆP, ĐỔI MỚI VÀ CƠ SỞ HẠ TẦNG

THE Sustainability Impact Ratings 2027

Data year	Metrics	Indicators
2025	**4**	**10**

IUH's contribution to industry, innovation and infrastructure through research, university spin-offs, technology transfer and collaboration with industry.

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NHÓM 9.3– University spin offs

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Action plan

Strategic Thrust	KPIs	Activities	Expected Results	Executing Unit	Timeline
Thrust 1: Pioneering in Education and Research	Promoting Technology Transfer (Spin-off enterprises; Number of technology transfer contracts; Revenue from technology transfer)	Reviewing, managing, and supporting the operation of spin-off enterprises established from scientific research outcomes, intellectual property (IP), and technologies owned by IUH.	List of official IUH spin-off enterprises; Business Registration Certificates; Original IP ownership/technology transfer records from IUH; Financial statements/operational evidence for 2025.	Office of Science Management and International Affairs, Center for Innovation and Entrepreneurship	Q1 – Q4/2025
Thrust 1: Pioneering in Education and Research	Implementing Support Policies in Research Collaboration (Patent Commercialization Policy)	Perfecting mechanisms and policies for capital contribution using IUH's intellectual property and rights to use exclusive patents/utility solutions into technology spin-off enterprises in accordance with university autonomy regulations.	Institutional Regulations on Management and Support for the Development of Technology Spin-off Enterprises; IP licensing/capital contribution contracts between IUH and spin-off companies.	Office of Science Management and International Affairs, Office of Finance and Accounting	Q1 – Q2/2025
Thrust 1: Pioneering in Education and Research Thrust 5: Financial Autonomy	Technology Transfer & 5.1.1: Diversifying Revenue Sources from Transfer and Commercialization	Providing facilities, key laboratories, and technology incubation support for spin-offs in automation, biotechnology, and environment to develop commercial products.	Minutes of Agreement on Sharing Research Laboratories; Reports on successfully commercialized technology products of spin-off companies in 2025.	Center for Innovation and Entrepreneurship, Specialized Faculties/Institutes	Q2 – Q4/2025
Thrust 2: Promoting Engagement to Serve the Community	Increasing External Linked Associations and Business Communities	Connecting the university's spin-off enterprises with international venture capital networks and business incubators, and participating in Techmart and Techfest 2025 exhibitions to expand the market.	Successful fundraising/investment connection dossiers; Photos of IUH spin-off technology display booths at national technology exhibitions.	Center for Innovation and Entrepreneurship, Office of Science Management and International Affairs	Q3 – Q4/2025

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NHÓM 9.3– University spin offs

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Data	Value
Number of university spin-offs Số doanh nghiệp spin-off của trường	12

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GROUP 9.4 – Research income from industry and commerce (Action plan)

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Strategic Thrust	KPIs	Activities	Expected Results	Executing Unit	Timeline
Thrust 5: Enhancing Sustainable Financial Autonomy	Diversifying Revenue Sources from R&D Projects Sponsored by Businesses	Signing and implementing scientific research contracts and R&D projects directly funded by businesses/commercial organizations for IUH (excluding state budget, charitable funding, or training/consulting fees).	Portfolio of scientific research contracts with businesses; Research project proposals; Acceptance minutes and liquidation records of R&D contracts.	Office of Science Management and International Affairs, Specialized Faculties/Institutes	Q1 – Q4/2025
Thrust 1 & Thrust 5: Scientific Research and Financial Autonomy	Promoting Technology Transfer & STEM Research Revenue	Signing and implementing STEM R&D contracts (Mechanical Engineering, Automation, IT, Chemistry, Environment, Food, etc.) according to technical orders from businesses, focusing on optimizing production lines and new technologies.	Scientific research contracts in the STEM fields signed with businesses; Acceptance minutes of R&D results; Valid financial invoices and payment documents.	Office of Science Management and International Affairs, Specialized Faculties/Institutes	Q1 – Q4/2025
Thrust 1 & Thrust 5: Scientific Research and Financial Autonomy	Research Publication & Interdisciplinary Biomedical-Pharmaceutical Research Revenue	Reviewing and signing R&D contracts funded by pharmaceutical companies and medical device companies related to active pharmaceutical ingredient extraction, biomedical testing, medical materials, and human health safety (Medicine).	Scientific research contracts with pharmaceutical/medical device companies; Interdisciplinary biomedical applied research project proposals; Standardized testing reports and liquidation minutes.	Office of Science Management and International Affairs, Specialized Faculties/Institutes	Q1 – Q4/2025
Thrust 1 & Thrust 5: Scientific Research and Financial Autonomy	Promoting Technology Transfer & Economics/Social Sciences Research Revenue	Signing R&D research contracts, market survey projects, consumer behavior analysis, supply chain management, economic policy analysis, and sustainable tourism development (Arts & Humanities / Social Sciences) funded by commercial/service enterprises.	Scientific research contracts with businesses in Social Sciences & Humanities fields; Project proposals; Reports on socio-economic research results transferred to partners.	Office of Science Management and International Affairs, Specialized Faculties/Institutes	Q1 – Q4/2025
Thrust 5: Enhancing Sustainable Financial Autonomy	Managing Research Revenue & Conducting Independent Audits	Transparently accounting for cash flows from corporate research contracts; establishing a mapping table for revenue allocation across the 3 THE subject groups (STEM, Medicine, Arts & Humanities / Social Sciences); conducting independent audits and cross-checking data submitted to THE Portal.	General accounting ledger tracking research revenue; Mapping table for revenue allocation by THE subject groups; Independent audit report and Official Corporate Research Income Report submitted to THE.	Office of Finance and Accounting, Office of Science Management and International Affairs	Q1 – Q4/2025

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GROUP 9.4 – Research income from industry and commerce

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Data	Value	
Research income from industry and commerce: Total Tổng thu nghiên cứu từ doanh nghiệp và thương mại	**18.060.000.000**	VND
Research income from industry and commerce: STEM Thu nghiên cứu từ doanh nghiệp – STEM	**11,947,000,000**	VND
Industry research income: Medicine **Thu nghiên cứu từ doanh nghiệp – Y, sức khỏe**	**140.000.000**	VND
Research income from industry and commerce: Arts & Humanities / Social Sciences Thu nghiên cứu từ doanh nghiệp – KHXH & Nhân văn	**5.973.000.000**	VND

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GROUP 9.4 – Research income from industry and commerce

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Action plan

Strategic Thrust	KPIs	Activities	Expected Results	Executing Unit	Timeline
Thrust 4: Attracting and Retaining Outstanding Faculty and Staff	Recruiting & Attracting Qualified Faculty & Standardizing FTE Workload Quotas	Reviewing, managing, and compiling statistics on all academic staff (full-time lecturers, researchers, etc.).	Official list of academic staff; Labor contracts, appointment decisions for academic titles; Teaching - Research assignment schedules and academic staff FTE conversion calculation sheet.	Office of Organization and Administration	Q1 – Q3/2025
Thrust 4: Attracting and Retaining Outstanding Faculty and Staff	Academic Staff Structure by Training Field	Allocating and mapping all FTE academic staff into 3 standard subject groups: STEM (Engineering - Technology), Medicine (Health Sciences), and Arts & Humanities / Social Sciences (Economics, Management, Law, etc.); checking to avoid double-counting interdisciplinary staff.	Mapping table and detailed classification of FTE academic staff across 3 THE subject groups (STEM, Medicine, Arts & Humanities / Social Sciences), ensuring total FTE of the 3 groups matches the total in 9.4.2.4.	Office of Organization and Administration	Q2 – Q4/2025
Thrust 4: Staff Development Thrust 3: Infrastructure	Labor Administration & Operations Management of Campus Facilities	Collecting and compiling data on non-academic staff (specialists, administrative staff, librarians, technicians) and staff from regularly outsourced core services (security, environmental sanitation, landscape care, and operational engineering).	Non-academic personnel files across the university; Outsourced service contracts for security and sanitation; Attendance sheets and list of daily outsourced personnel.	Office of Organization and Administration	Q1 – Q4/2025
Thrust 4: Attracting and Retaining Outstanding Faculty and Staff	Training & Developing Staff & Managing University-wide Workload Quotas	Applying the FTE conversion method for all university personnel.	Technical calculation sheet converting total staff to FTE; Explanatory note on labor conversion methodology and coefficients according to THE standards.	Office of Organization and Administration	Q2 – Q4/2025
Thrust 4: Staff Development Thrust 1: Quality Assurance	Personnel Data Governance & THE Data Integrity Verification	Conducting an independent technical reconciliation: verifying logical consistency between total employees and total academic staff, ensuring total employees is always greater than academic staff; completing the official report to submit to the Board of Management for approval and submission to THE Data Portal.	Minutes of data reconciliation for total staff FTE and academic staff FTE; Official report on total employees (FTE Employees) and academic staff (FTE Academic Staff) submitted to THE Impact Rankings.	Office of Organization and Administration	Q4/2025

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GROUP 9.4 – Research income from industry and commerce

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Data	Value
Number of employees Tổng số nhân viên	2744
Number of academicstaff Tổng số nhân sự học thuật	2089
Number of academic staff: STEM Nhân sự học thuật – STEM	1108
Number of academic staff: Medicine Nhân sự học thuật – Medicine	53
Number of academic staff: Arts & Humanities / Social Sciences Nhân sự học thuật – KHXH & Nhân văn	928

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IMPLEMENTATION RESULTS

OPERATIONAL EXECUTION IN VERIFIED DATA YEAR 2024–2025

Comprehensive Audit of Implemented Actions Across All Evaluation Indicators of SDG 9

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1. UNIVERSITY SPIN-OFF VENTURES (9.3)

Institutional Spin-off Ecosystem (9.3.1):

- Formally operating and managing 12 university spin-off enterprises established from research outcomes and IUH-owned intellectual property (IP).
- Perfected university autonomy charters regulating equity contribution and exclusive licensing of utility solutions into spin-offs.

Incubation & Commercialization Support:

- Shared advanced R&D laboratories and prototyping facilities for spin-offs in automation, biotechnology, and green materials.
- Connected university ventures with venture capital networks; exhibited commercial prototypes at national Techfest & Techmart 2025.
- Scaled verified market commercialization revenues, ensuring strict institutional IP origin and legal ownership compliance.

2. INDUSTRY RESEARCH INCOME (9.4.1)

Audited Commercial Research Revenues (9.4.1):

- Total research income from industry and commerce: VND 18,060,000,000 (excluding public state budgets and charitable donations).
- Industry Research Income - STEM: VND 11,947,000,000 (66.15% of total, driven by automated manufacturing, chemical & clean tech).
- Industry Research Income - Medicine / Health: VND 140,000,000 (biomedical testing, natural active ingredients, bio-materials).
- Industry Research Income - Arts, Humanities & Social Sciences: VND 5,973,000,000 (market analytics, logistics, economic policy).

Audit Verification & Accounting Trail:

- 100% of corporate R&D contracts verified with formal project briefs, acceptance minutes, and official commercial tax invoices.

3. AUDITED FTE STAFF HEADCOUNTS (9.4.2 & 9.4.3)

Academic Staff Headcounts by Discipline (9.4.2):

- Total Academic Staff: 2,089 FTE (tenured faculty, full-time researchers, and accredited teaching fellows).
- Academic Staff - STEM: 1,108 FTE (core research personnel in engineering, technology, computing, and applied science).
- Academic Staff - Medicine / Health Sciences: 53 FTE (faculty in healthcare, biochemical engineering, and pharmacology).
- Academic Staff - Arts, Humanities & Social Sciences: 928 FTE (faculty in business administration, economics, law, and languages).

Total Institutional Workforce (9.4.3):

- Total Employees: 2,744 FTE (comprising 2,089 FTE academic staff + 655 FTE administrative, library, and essential support staff).
- Denominator Consistency: Reconciled that Total Employees (2,744 FTE) strictly exceeds Academic Staff (2,089 FTE) per THE guidelines.

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PERFORMANCE BENCHMARKING

Benchmarking Results Against THE Impact Ratings 2026 (Previous Cycle vs. Current Audit Cycle)

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Indicator Category	Previous Cycle (THE 2026)	Current Audit (THE 2027)	Strategic Evolution & Outlook
Metric 9.3 University Spin-offs (23% Weight)	Spin-off support was informal; lacked official corporate registration dossiers verifying university-held intellectual property equity.	12 officially registered spin-off enterprises verified; institutional IP-for-equity regulations enacted alongside shared lab infrastructure.	**Ecosystem Institutionalization: Fully formalized the tech-transfer and corporate incubation pathway from patented lab R&D to enterprise.**
Metric 9.4.1 Industry Research Income (27% Weight)	Commercial R&D revenues were co-mingled with public research grants and consulting; lacked audited mapping across THE's 3 broad subject fields.	Audited industry research income of VND 18.06B (STEM: 11.947B; Medicine: 140M; Social Sciences: 5.97B) supported by commercial invoices.	**Revenue Integrity & Growth: Completely segregated commercial research cashflows, highlighting IUH's applied technological capabilities.**
Metric 9.4.2 & 9.4.3 FTE Metrology & Denominators (23% Weight)	Faculty statistics relied on raw headcounts; lacked empirical FTE conversion models for core outsourced operational personnel.	Audited 2,089 FTE Academic Staff (1,108 STEM, 53 Medicine, 928 Social Sciences) and 2,744 FTE Total Staff, fully reconciling THE denominators.	**FTE Metrology Alignment: Streamlined full-time equivalent labor accounting in strict adherence to THE international data standards.**
Metric 9.1 Research & Scopus Publications (27% Weight)	Scholarly outputs in industrial innovation, automation, and infrastructure had moderate international citations and low enterprise co-authorship.	Accelerated Scopus Q1/Q2 research papers co-authored with corporate partners, spanning industrial IoT, biomaterials, and green manufacturing.	**Academic Impact Uplift: Marked increase in industry co-authorship proportions and Field-Weighted Citation Impact (FWCI) under SDG 9.**

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STRATEGIC PLAN FOR THE COMING YEAR

Four High-Impact Action Pillars to Position SDG 9 as a Premier Scoring Asset for IUH's Global Rank



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1. MULTI-INDUSTRY SPIN-OFF ACCELERATOR & INCUBATION

- Establish the 'IUH Multi-Industry Innovation & Spin-off Accelerator' to scale high-potential patented research into viable enterprises.
- Perfect institutional IP valuation policies, seed funding, and corporate governance to spin out at least 2 new ventures per cycle through 2030.
- Expand venture capital linkages and angel investor networks, connecting campus spin-offs into national and regional supply chains.
- Provide subsidized access to advanced prototyping labs, cleanrooms, and testing facilities for promising deep-tech commercial ventures.

2. ENTERPRISE CO-FUNDED LABS & INDUSTRIAL TESTBEDS

- Partner with premier industrial corporations to co-fund applied research testbeds in automation, green chemistry, and smart logistics.
- Expand customized technical contract R&D solving real-world manufacturing bottlenecks, targeting 10%–15% annual corporate income growth.
- Increase the proportion of STEM faculty actively engaged in enterprise research collaboration beyond the 30% benchmark.
- Transition successful student-faculty prototypes from lab scale into validated industrial pilot manufacturing lines.

3. GREEN & DIGITAL TRANSFORMATION INNOVATION FUND

- Launch the University Innovation Fund dedicated to green engineering, industrial decarbonization, circular economy, and digital tools.
- Elevate the annual InnoGreenLife competition into a long-term incubator sponsoring 20–30 faculty-student innovation teams annually.
- Subsidize 100% of filing and examination fees for domestic (IP Viet Nam) and international (WIPO/PCT) patent registrations.
- Reinvest a mandatory dividend from commercialized research revenues back into the fund to ensure self-sustaining revolving capital.

4. AUTOMATED FTE METROLOGY & DIGITAL R&D DATA GOVERNANCE

- Embed automated contract ledger modules within campus ERP to map corporate research cashflows into THE's 3 discipline categories.
- Standardize automated FTE workload calculations and cross-reconciliation protocols for academic and operational staff.
- Launch the dedicated 'IUH Industry & Innovation Hub' on tqa.iuh.edu.vn, publishing auditable contracts and accreditation documents.
- Accelerate joint Scopus Q1/Q2 publications co-authored with industry partners to maximize Field-Weighted Citation Impact (FWCI).