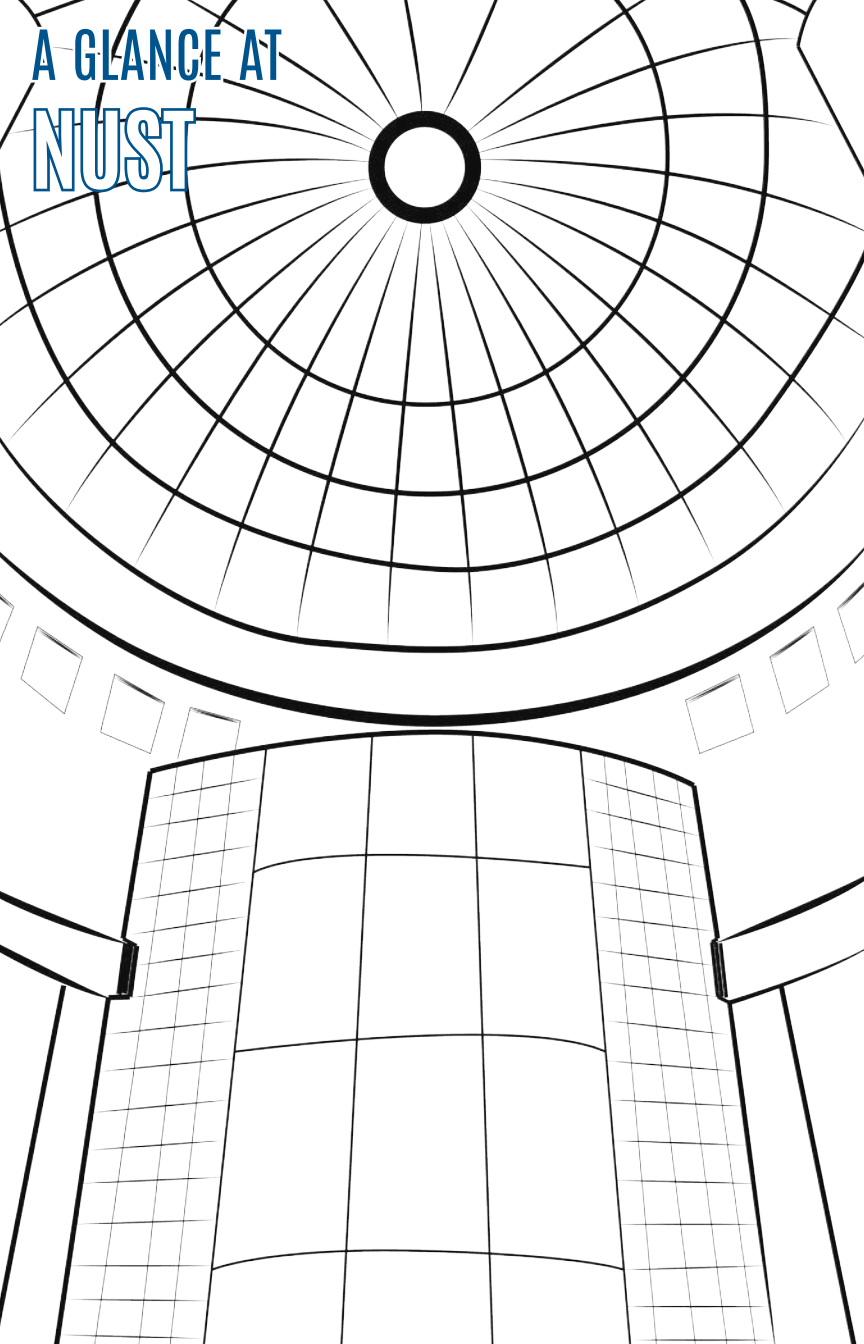


A GLANCE AT NUST



NATIONAL UNIVERSITY OF SCIENCES &
TECHNOLOGY, PAKISTAN
www.nust.edu.pk


NUST
Defining futures

Sports Complex (Concordia-1)

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VISION

Imparting affordable higher education while being an SDG engaged, fourth generation entrepreneurial university, with its knowledge based ecosystem firmly founded on Research and Innovation. Producing graduates who contribute to the national growth through wealth creation, while becoming job creators instead of job seekers.

We do this by entering into effective partnerships with Govt, Industry and the Society with due cognisance to the environment, while following the Penta Helix model.

In doing so we firmly uphold merit in everything that we do, enunciating a culture of professional excellence. The cornerstone of our education methodology resting on personality development and grooming, thereby comprehensively preparing our graduates to confront the societal challenges with confidence.



#334

in the World
(QS Rankings 2023)

EXPERIENCE NUST

143 academic programmes
7 disciplines



All Engineering programmes are Washington Accord ratified

12 Schools at Main Campus
7 Campuses in five cities



Academic & research partnerships 220 institutions across 50 countries

40% student* acceptance rate
*For UG programmes



42,000+ graduates in 64 countries

Quacquarelli Symonds (QS) Rankings 2022/ 23

#334
in the world

#67
in Asia

#41
in Top
50 under 50
world universities

#1 in Pakistan
in World, Asian and Top
50 under 50 universities

**#1 in Pakistan in
7 Subject Areas**

- » Electrical & Electronics Engineering
- » Computer Science
- » Mechanical, Aeronautical & Manufacturing Engineering
- » Chemical Engineering
- » Civil & Structural Engineering
- » Mathematics
- » Material Science

THE UNIVERSITY IMPACT RANKINGS

Among **Top 200** world universities
#1 in Pakistan in **8 SDGs**

6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

14 LIFE BELOW WATER

15 LIFE ON LAND

17 PARTNERSHIPS FOR THE GOALS



WHY NUST

01

Ranked among the world's best universities

#334 in the world



02

Our mission is inclusive growth and social uplift of the marginalised

2100+

students currently availing need-based scholarships



03

We attract the best resources – from all over the world

More than **52%** faculty holds foreign PHD



04

Focus on innovation and applied research

Pakistan's **1st** S&T Park

NSTP



05

Partners with industry champions across several sectors of the economy

More than **800** industry partners



06

NUST houses the country's first and largest university-based Technology Incubation

Centre **Tech One**



07

NUST stands at #104 in Employer Reputation and our graduates

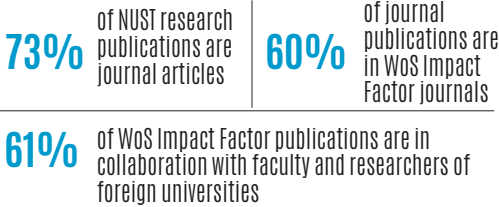
have **94%** employment rate



RESEARCH, INNOVATION & TECHNOLOGY TRANSFER

National Science & Technology Park (NSTP)

NSTP brings together industry and academia to create a national research and innovation ecosystem. It provides a perfect launching pad for new ideas, products and businesses, adding value to the technological index of Pakistan, creating numerous job opportunities, and contributing to the knowledge economy.



1,424 research projects pursued at NUST - **1,006** completed (1999-2022)

NUST holds the country's first university-based **Intellectual Property (IP) Office**

PATENTS FILED: 1000+ AWARDED: 200+
the highest numbers by any Pakistani university

Industry Collaboration

AREAS OF COLLABORATION INCLUDE

Industrial research projects, curriculum improvement, student internships and employment, faculty placements, technology transfer, industry-specific trainings etc.

More than **800** industry partners

NUST - LEADING UNIVERSITY FROM PAKISTAN TO LICENSE OUT INTELLECTUAL PROPERTY TO INDUSTRY

70 IPRs TRANSFERRED SINCE 2018

NUST takes pride in its **research infrastructure** with over 350 world-class laboratories, including 34 key labs. Some of them are the only ones of their kind in Pakistani academia, making NUST a centre of excellence in research.

60+ research areas, grouped into 6 research themes, **350+** world-class laboratories are being pursued at NUST.



34 key labs

#GREENNUST

NUST is making efforts to create a #Green Campus through measures such as the use of eco-friendly shuttles, installation of 1MW solar system, recycling of 20,000 litres of water per day, and regular tree plantation campaigns, to mention a few. All these initiatives have helped NUST in landing at #4 in the world in SDG-7 i.e. Affordable & Clean Energy.

NUST ISLAMABAD

Recycling **20,000+**
litres of water everyday



NUST ISLAMABAD

Capacity for **1 MW**
solar power generation



National Centres of Excellence

In 2018, the GoP awarded 4 national centres of excellence to Pakistani academia, in a competitive open bidding process. 2 of these 4 national centres have been won by NUST.

NCAI

National Centre of Artificial Intelligence at the NUST School of Mechanical & Manufacturing Engineering (SMME)

NCRA

National Centre of Robotics & Automation at the NUST College of Electrical & Mechanical Engineering (CEME), Rawalpindi.

These Centres will bring together prominent researchers from all across the country in these cutting-edge fields, thereby becoming leading hubs of innovation, scientific research, knowledge transfer to local economy, and training of specialists.

3 labs have been won by NUST in the **National Centre of Cyber Security** and the **National Centre of Big Data & Cloud Computing** that have been awarded to 2 other Pakistani universities.

School of Interdisciplinary Engineering & Sciences-SINES

School of Interdisciplinary Engineering & Sciences (SINES) is the latest addition to NUST's vast and robust R&D infrastructure. SINES has brought together 22 key laboratories from cutting-edge disciplines of 8 NUST constituent institutions. SINES

is an interdisciplinary higher education and research facility that improves synergy among researchers. NUST has signed an agreement with a Silicon-Valley chip design company, for the establishment of a chip design and training centre as well as a chip testing lab at SINES. The department has identified High Performance Computing, Artificial Intelligence & Deep Learning, Nanoscience & Nanotechnology, and Biotechnology as its major areas of focus, with new dimensions to be added in the subsequent phases.



Taking Quality Education to all of Pakistan

NUST Balochistan Campus, Quetta



NUST has established its campus in Quetta in order to provide world-class education to the youth of Balochistan. Undergraduate programmes in Civil Engineering and Computer Science are being currently offered at NUST Balochistan Campus (NBC). NUST plans to soon offer MS and PhD in Civil Engineering, Computer Sciences and Mining Engineering.



NUST Outreach Programme - *Education for all*

NUST conducts extensive outreach for students from the underprivileged areas of Pakistan in order to prepare them for the highly competitive NUST Entry Test. NUST currently reaches out to students in remote locations in Balochistan, Interior Sindh and KPK, with the plan to expand the scope of programmes in coming years.

Demographic Diversity



Equal opportunities for everyone



A unique civil-military collaboration



Diverse demographic background of students



Ethnic & cultural diversity



Equitable environment for differently abled people



Linguistic spread - English, Urdu and multiple regional and international languages



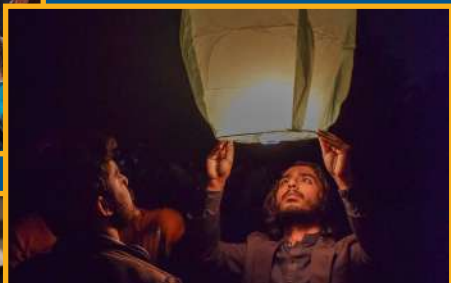
Career Development Centre (CDC)

CDC focuses on the capacity building of NUST's diverse student base through skill development essential for the job market in their respective fields. CDC helps students acquire requisite skills to compete in the marketplace through career modules, networking events, class presentations, curriculum and co-curricular activities.

CLUBS & SOCIETIES



NCSC NUST Commu
largest stud
campus, wit
on board.



Community Services Club (NCSC) is the student-based society at NUST H-12 with **5,000+** volunteer students

GET ACTIVE



Sports infrastructure includes cricket, hockey and football grounds; various indoor sports facilities; gymnasias, etc. NUST has also recently established first-ever university-based Horse Riding Club and has his own Sports Complex, which offers facilities such as swimming, archery, basketball, badminton, tennis, bowling, etc.



SPORTS COMPLEX

In conjunction with its uncompromising focus on the development of academic competence, NUST has established one of the finest and comprehensive Sports Complex at its Islamabad campus. Inaugurated on December 14, 2020, the NUST Sports Complex consists of multiple facilities, including swimming pool, bowling alley, indoor games hall, male and female gymnasias, badminton courts, tennis courts, basketball courts, wall climbing, skating rink, running track and more.



LIFE ON CAMPUS



NUST INSTITUTIONS

H-12 Campus

- i. Atta-ur-Rahman School of Applied Biosciences (**ASAB**)
- ii. NUST Institute of Peace & Conflict Studies (**NIPCONS**)
- iii. NUST Business School (**NBS**)
- iv. School of Interdisciplinary Engineering & Sciences (**SINES**)
- v. School of Art, Design & Architecture (**SADA**)
- vi. School of Chemical & Materials Engineering (**SCME**)
- vii. School of Civil & Environmental Engineering (**SCEE**)
- viii. School of Electrical Engineering & Computer Science (**SECS**)
- ix. School of Mechanical & Manufacturing Engineering (**SMME**)
- x. School of Natural Science (**SNS**)
- xi. School of Social Sciences & Humanities (**S³H**)
- xii. US-Pakistan Center for Advanced Studies in Energy (**USPCAS-E**)

Colleges

- i. College of Aeronautical Engineering (**CAE**), Risalpur
- ii. College of Electrical & Mechanical Engineering (**CEME**), Rawalpindi
- iii. Military College of Engineering (**MCE**), Risalpur
- iv. Military College of Signals (**MCS**), Rawalpindi
- v. National Institute of Transportation (**NIT**), Risalpur
- vi. Pakistan Navy Engineering College (**PNEC**), Karachi

NUST Balochistan Campus, Quetta

Disciplines

NUST primarily is an Engineering & Technology university. Over the years, it has made monumental strides to become a multidisciplinary institution, with strengths in following disciplines:

Engineering

Information Technology

Applied Biosciences

Management Sciences

Basic/Natural Sciences

Social Sciences & Humanities

Art, Design & Architecture

ACADEMIC PROGRAMMES

UG

29

MS

69

PhD

45

Total

143

UNDERGRADUATE PROGRAMMES

1	BE Electrical
2	BE Mechanical
3	BE Civil
4	BE Software
5	BS Computer Science
6	BE Information Security
7	BE Chemical
8	BE Metallurgy & Materials
9	BE Environmental
10	BE Geo-informatics
11	BE Avionics
12	BE Aerospace
13	BE Mechatronics
14	BE Computer
15	BE Naval Architecture
16	B Architecture
17	B Industrial Design
18	BS Mathematics
19	BS Physics
20	BS Chemistry
21	Bachelor of Business Administration
22	BS Accounting & Finance
23	BS Mass Communication
24	Bachelor of Public Administration
25	BS Economics
26	BS Psychology
27	LLB
28	BS Biotechnology
29	BS Tourism & Hospitality Management

MASTERS PROGRAMMES

1	MS Electrical Engineering	36	MS Biomedical Sciences
2	MS Mechanical Engineering	37	MS Economics
3	MS Software Engineering	38	MS Mass Communications
4	MS Construction Engineering & Management	39	MS Clinical Psychology
5	MS Information Security	40	MS Development Studies
6	MS Systems Engineering	41	MS Career Counseling & Education
7	MS Structural Engineering	42	MS Governance & Public Policy
8	MS Transportation Engineering	43	MS Sinology (Expected to Start Soon)
9	MS Geotechnical Engineering	44	MBA
10	MS Computer Science	45	Executive MBA
11	MS Computer Engineering	46	MS HRM
12	MS Mechatronics Engineering	47	MS Logistics & Supply Chain Management
13	MS Engineering Management	48	MS Innovation and Entrepreneurship
14	MS Aerospace Engineering	49	MS Mathematics
15	MS Applied Mathematics (Expected to Start Soon)	50	MS Physics
16	MS Avionics Engineering	51	MS Chemistry
17	MS Manufacturing Engineering & Management	52	MS Statistics
18	MS Cyber Security	53	MS Disaster Management
19	MS Naval Architecture	54	MS Mining Engineering
20	MS Urban and Regional Planning	55	MS Healthcare Biotechnology
21	MS Environmental Engineering	56	MS Plant Biotechnology
22	MS Environmental Science	57	MS Industrial Biotechnology
23	MS Remote Sensing & GIS	58	MS Agribusiness Management
24	MS Water Resources Engineering & Management	59	MS Molecular Medicine
25	MS Information Technology	60	MS Energy Systems Engineering
26	MS Innovative Technologies in Learning	61	MS Thermal Energy Engineering
27	MS Data Science	62	MS Electrical Engineering (Power)
28	MS Artificial Intelligence	63	MS Computational Science & Engineering
29	MS Materials & Surface Engineering	64	MS Bioinformatics
30	MS Chemical Engineering	65	MS Peace and Conflict Studies
31	MS Nanoscience & Engineering	66	MS Peace & Conflict Studies (PCS) in Distance Learning (DL) Mode (Expected to Start Soon)
32	MS Process Systems Engineering	67	MS Strategic Studies
33	MS Design & Manufacturing Engineering	68	MS in Architectural Design
34	MS Robotics & Intelligent Machine Engineering	69	MS in Civil Engineering
35	MS Biomedical Engineering		

PhD PROGRAMMES

1	PhD Electrical Engineering
2	PhD Mechanical Engineering
3	PhD Software Engineering
4	PhD Information Security
5	PhD Geotechnical Engineering
6	PhD Computer Science
7	PhD Computer Engineering
8	PhD Mechatronics Engineering
9	PhD Engineering Management
10	PhD Aerospace Engineering
11	PhD Avionics Engineering
12	PhD Manufacturing Engineering & Management
13	PhD Structural Engineering
14	PhD Urban and Regional Planning
15	PhD Environmental Engineering
16	PhD Environmental Science
17	PhD Remote Sensing & GIS
18	PhD Construction Engineering & Management
19	PhD Water Resources Engineering & Management
20	PhD Information Technology
21	PhD Artificial Intelligence
22	PhD Materials & Surface Engineering
23	PhD Chemical Engineering
24	PhD Nanoscience and Engineering
25	PhD Design & Manufacturing Engineering
26	PhD Robotics & Intelligent Machine Engineering
27	PhD Biomedical Engineering
28	PhD Biomedical Sciences
29	PhD Computational Science & Engineering
30	PhD Economics
31	PhD Psychology
32	PhD Business Administration
33	PhD Mathematics
34	PhD Physics
35	PhD Chemistry
36	PhD Applied Biosciences
37	PhD Peace & Conflict Studies
38	PhD Energy Systems Engineering
39	PhD Thermal Energy Engineering
40	PhD Electrical Engineering (Power)
41	PhD Mining Engineering
42	PhD Transportation Engineering
43	PhD Statistics
44	PhD Applied Mathematics (NOC Awaited)
45	PhD Civil Engineering (NOC Awaited)

ELIGIBILITY CRITERIA (FOR UG PROGRAMMES)

A minimum of 60% aggregate marks each in SSC and HSSC or O/A levels or equivalent exams (as per IBCC equivalence).

ENTRY TEST

SAT: Minimum score 550 (in each subject)

NUST Entry Test: Conducted thrice a year in Pakistan. Best NET score is considered for merit generation

ACT / SAT REQUIREMENTS

Programmes	ACT / SAT Scores Required
Engineering	ACT Composite Score (Minimum score to apply - 25)
Computer Science	
BS Biotechnology	
Architectural & Industrial Design	
Natural Sciences (Maths / Physics / Chemistry)	ACT STEM Score (Minimum score to apply - 25)
Business Studies and Social Sciences / LLB	SAT Test (SAT-I) (Minimum score to apply in each subject - 550) OR ACT Score of Maths, English and Reading (Minimum score to apply in each subject - 25)

MERIT CALCULATION

SSC / O Level / Equivalent	-	10%
HSSC (Part-1) / HSSC / A Level / Equivalent / DAE -	-	15%
ACT / SAT / NUST Entry Test	-	75 %



- » Students can also apply for International seats on the basis of ACT / SAT Score.
- » Candidates are required to enter their valid ACT / SAT Scores by the date mentioned on the NUST website.
- » Details about UG programmes, eligibility criteria and other relevant information is available on NUST website www.nust.edu.pk under link Admissions > Undergraduates > Pages.

FEE & SCHOLARSHIPS

We aim to provide quality education at an affordable price to every student who qualifies on merit. Our degree programmes are amongst the most cost effective in the country.

NATIONAL STUDENTS (AMOUNT IN PKR)							
	UG		PG				
	Engineering/IT, Biosciences & Natural Sciences	Architecture, Social Sciences & Business Studies	MS/MPhil/MBA/EMBA				PhD
			Engineering /IT, Social Sciences (Economics), Biosciences	Business Studies*		EMBA	MBA, Engineering Management and Construction Engineering Management
			MS HRM, MS Logistics & Supply Chain Management, MS Innovation & Entrepreneurship				
Admission Processing Fee (Non-refundable)	35,000		10,000				5,000
Security Deposit (Refundable)	10,000		10,000				
Tuition Fee (Per Semester)	124,200	148,400	88,500	119,600	33,900 (Per Course)	136,800	88,500
Miscellaneous Charges (Per Semester)	2,700		2,700				
Harvard Business School licensing fee" will be charged to UG students (BBA, BS Accounting & Finance) PKR 10,000 per year.			*Harvard Business School licensing fee" will be charged to business students (MBA, MS HRM, EMBA, MS Logistics & Supply Chain Management & MS Innovation & Entrepreneurship) @ PKR 22,000 per year				
Summer Semester/course improvement fee will be charged @ PKR 5,000 per credit hour.			Summer Semester/course improvement fee will be charged @ PKR 5,000 per credit hour.				

INTERNATIONAL STUDENTS (AMOUNT IN USD)							
	UG		PG**				
	Engineering, IT, Biosciences, Natural Sciences, Architecture, Business Studies and Social Sciences	Engineering /IT, Social Sciences (Economics) and Biosciences	MS/MPhil/MBA/EMBA				PhD
			Business Studies***		EMBA	MBA, Engineering Management and Construction Engineering Management	
		MS HRM, MS Logistics & Supply Chain Management, MS Innovation & Entrepreneurship					All Programmes
Admission Processing Fee (Non-refundable)	600		45				24
Tuition Fee (Per Annum)	5,400		790	1068	151 (Per Course)	1221	790
Security Deposit (Refundable)	250		45				
Course Repeat Fee (Per Credit Hour)	40		24		151 (Per Course)	24	
Health Facilities (Per Annum)	120		-				

Note: **Miscellaneous charges will be charged @USD 34 per annum.

***Harvard Business school licensing fee" will be charged to business students (MBA, MS HRM, EMBA, MS Logistics & Supply Chain Management & MS Innovation & Entrepreneurship) @USD 104 per annum.

• All fee are subject to revision, please visit the Admissions Tab at www.nust.edu.pk for updated fee.

FINANCIAL INCENTIVES	NEED-BASED FINANCIAL ASSISTANCE NUST offers a good number of need-based scholarships to its BS & MS students. Candidates should apply for these scholarships online at the time of applying for admission.
	MERIT-BASED SCHOLARSHIPS Top position holders in MS & PhD with minimum 3.75 GPA in 1 st semester will be eligible for merit-based scholarships (ICT Endowment Fund).

CAREER AFTER NUST

We are Going Places!

NUST PREPARES ITS STUDENTS FOR A BROAD RANGE OF CAREERS

OUR GRADUATES ARE WORKING FOR



21.49% IT / Software / Computer



17.08% Education or Teaching



15.65% Construction / Infrastructure



12.11% Govt. / Law Enforcement



9.30% Telecommunication/ISP



5.68% Power/ Energy



4.91% Oil & Gas / Petroleum



4.17% Banking & Financial



3.78% Manufacturing / Material



2.75% FMCG



100%
Internship Rate

TAKE ADVANTAGE OF OUTSTANDING CAREER SUPPORT FOR

- » Practical skills development workshops
- » Work experience with wide range of companies and major employers across Pakistan
- » Internship opportunities
- » Career fairs, recruitment drives and information sessions



**ENTREPRENEURIAL
SPIRIT**

**A GOOD NUMBER OF
GRADUATES START THEIR
OWN BUSINESSES**

A NETWORK OF INSPIRING ALUMNI

Join our global community of more than

42,000+ GRADUATES

In 64 countries and counting



8 INTERNATIONAL CHAPTERS

Europe, Middle East, Australia &
New Zealand, North America, South
America, Africa, Far East and Asia

4 NATIONAL CHAPTERS

Karachi, Lahore, Islamabad, Peshawar



National University of Sciences & Technology
Islamabad | Rawalpindi | Risalpur | Karachi | Quetta

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